

Supplement 7.10. SAS output for the many-slopes model

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This supplement provides the SAS listing for analyses conducted for the Chapter 7 examples, using the many-slopes model [Equation (7.12)]. See Supplement 7.1 for additional details.

The CONTENTS Procedure

Data Set Name	ODFW2008.DATA	Observations	2154
Member Type	DATA	Variables	48
Engine	V9	Indexes	0
Created	Saturday, August 29, 2009 03:55:16 PM	Observation Length	416
Last Modified	Saturday, August 29, 2009 03:55:16 PM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	56
First Data Page	1
Max Obs per Page	39
Obs in First Data Page	24
Number of Data Set Repairs	0
Filename	D:\SAS\ODFW2008\data.sas7bdat
Release Created	9.0201M0
Host Created	XP_PRO

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Format	Informat	Label
21	ACH	Num	8			ACH
20	ACW	Num	8			ACW
44	BVR_DAM	Num	8			BVR_DAM
42	CON_20PLUS	Num	8			CON_20PLUS
43	CON_36PLUS	Num	8			CON_36PLUS
33	CWPOOL	Num	8			CWPOOL
10	FEAT_NAME	Char	34	\$34.	\$34.	FEAT_NAME
1	GCG	Char	5	\$CHAR5.	\$5.	GCG
45	GCG1	Char	5	\$5.	\$5.	GCG1
17	GRADIENT	Num	8			GRADIENT
2	ID_NUM	Num	8			ID_NUM
39	KEYLWD1	Num	8			KEYLWD1
28	LRGBLDR	Num	8			LRGBLDR
41	LRGBLDR1	Num	8			LRGBLDR1
37	LWDPIECE1	Num	8			LWDPIECE1
38	LWDVOL1	Num	8			LWDVOL1
22	NOPOOLS	Num	8			NOPOOLS
31	PCTBEDROCK	Num	8			PCTBEDROCK
35	PCTEROSION	Num	8			PCTEROSION
30	PCTGRAVEL	Num	8			PCTGRAVEL
23	PCTPOOLS	Num	8			PCTPOOLS
16	PCTSCCHNLA	Num	8			PCTSCCHNLA
24	PCTSCPPOOL	Num	8			PCTSCPPOOL

The CONTENTS Procedure

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Format	Informat	Label
34	PCTSHADE	Num	8			PCTSHADE
29	PCTSNDOR	Num	8			PCTSNDOR
25	PCTSWPOOL	Num	8			PCTSWPOOL
36	PCTUNDERC	Num	8			PCTUNDERC
32	POOL1P_KM	Num	8			POOL1P_KM
14	PRICHNAREA	Num	8			PRICHNAREA
12	PRICHNLL	Num	8			PRICHNLL
9	REASON	Char	26	\$26.	\$26.	REASON
40	RESIDPD	Num	8			RESIDPD
7	RESPONSE	Char	8	\$8.	\$8.	RESPONSE
27	RIFFLEDEP	Num	8			RIFFLEDEP
26	SCRPOOLD	Num	8			SCRPOOLD
15	SECCHNAREA	Num	8			SECCHNAREA
13	SECCHNLL	Num	8			SECCHNLL
8	STATUS	Char	8	\$8.	\$8.	STATUS
11	SURV_DATE	Num	8	DATE9.	DATE9.	SURV_DATE
5	S_LEVEL	Char	4	\$4.	\$4.	S_LEVEL
6	TARGET	Char	6	\$6.	\$6.	TARGET
4	TIERLEVEL	Num	8			TIERLEVEL
48	TIME	Num	8			
47	UTM_E	Num	8			UTM_E
46	UTM_N	Num	8			UTM_N
18	VWIRCH	Num	8			VWIRCH
19	WIDTH	Num	8			WIDTH
3	YEAR	Num	8			YEAR

The current variable is PRICHNLL

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PRICHNLL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591

Subjects 1
Max Obs Per Subject 448

Number of Observations

Number of Observations Read 448
Number of Observations Used 448
Number of Observations Not Used 0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	3592496	60890	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	118399	14800	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	1046966	17745	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	1045369	11615	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	5.24	<.0001
YEAR	90	1.27	0.2670
TIME*ID_NUM	90	1.53	0.0344
Residual	.	.	.

The current variable is PRICHNLL

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	63685
YEAR	259.97
TIME*ID_NUM	189.54
Residual	11615

Fit Statistics

-2 Res Log Likelihood	6042.0
AIC (smaller is better)	6050.0
AICC (smaller is better)	6050.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	740.85	24.5486	8	30.18	<.0001	0.05	684.24	797.45
TIME	9.8871	3.2546	59	3.04	0.0035	0.05	3.3746	16.3995

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	602.63	-56.3978
2	TIME	-56.3978	10.5924

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	9.23	0.0035

The current variable is PRICHNLL

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PRICHNLL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read

428

Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	2789041	56919	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	127553	15944	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	606846	12385	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	699744	8533.464122	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	6.67	<.0001
YEAR	82	1.87	0.0762
TIME*ID_NUM	82	1.45	0.0677
Residual	.	.	.

The current variable is PRICHNLL

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	62449
YEAR	658.72
TIME*ID_NUM	125.49
Residual	8533.46

Fit Statistics

-2 Res Log Likelihood	5745.0
AIC (smaller is better)	5753.0
AICC (smaller is better)	5753.1
BIC (smaller is better)	5767.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
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Intercept	791.14	27.3982	8	28.88	<.0001	0.05	727.96	854.33
TIME	10.3015	3.6165	49	2.85	0.0064	0.05	3.0337	17.5692

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	750.66	-74.8435
2	TIME	-74.8435	13.0794

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	8.11	0.0064

The current variable is PRICHNLL7

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PRICHNLL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Sum of

Source	DF	Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	2768689	48573	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	131841	16480	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	1376724	24153	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	818265	10228	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	4.75	<.0001
YEAR	80	1.61	0.1347
TIME*ID_NUM	80	2.36	0.0002
Residual	.	.	.

The current variable is PRICHNLL

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	53215
YEAR	568.34
TIME*ID_NUM	485.12
Residual	10228

Fit Statistics

-2 Res Log Likelihood	5438.5
AIC (smaller is better)	5446.5
AICC (smaller is better)	5446.6
BIC (smaller is better)	5460.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	674.39	28.1792	8	23.93	<.0001	0.05	609.40	739.37
TIME	10.8954	4.0776	57	2.67	0.0098	0.05	2.7302	19.0606

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	794.07	-84.8147
2	TIME	-84.8147	16.6267

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	7.14	0.0098

The current variable is PRICHNLL

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PRICHNLL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	2535794	46959	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	114882	14360	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	511030	9463.519477	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)

Residual

80

597712

7471.404511

Var(Residual)

.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	6.29	<.0001
YEAR	80	1.92	0.0679
TIME*ID_NUM	80	1.27	0.1666
Residual	.	.	.
The current variable is PRICHNLL			

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	52994
YEAR	626.25
TIME*ID_NUM	68.8036
Residual	7471.40

Fit Statistics

-2 Res Log Likelihood	5614.2
AIC (smaller is better)	5622.2
AICC (smaller is better)	5622.3
BIC (smaller is better)	5636.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	678.35	25.9429	8	26.15	<.0001	0.05	618.52	738.17
TIME	6.0130	3.3237	54	1.81	0.0760	0.05	-0.6506	12.6767

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	673.03	-65.7273
2	TIME	-65.7273	11.0471

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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TIME	1	54	3.27	0.0760
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The current variable is PRICHNLL

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PRICHNLL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	4125440	57298	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	25696	3211.989216	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	236725	3287.846753	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	285564	2266.378796	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
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TIME	126	0.00	.
ID_NUM	126	25.28	<.0001
YEAR	126	1.42	0.1955
TIME*ID_NUM	126	1.45	0.0343
Residual	.	.	.

The current variable is PRICHNLL

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	60242
YEAR	56.4544
TIME*ID_NUM	23.8727
Residual	2266.38

Fit Statistics

-2 Res Log Likelihood	5650.4
AIC (smaller is better)	5658.4
AICC (smaller is better)	5658.4
BIC (smaller is better)	5672.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	611.70	17.6137	8	34.73	<.0001	0.05	571.09	652.32
TIME	-0.5312	1.2743	72	-0.42	0.6780	0.05	-3.0714	2.0091

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	310.24	-9.1004
2	TIME	-9.1004	1.6238

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	0.17	0.6780

The current variable is PRICHNLL

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ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PRICHNLL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	16540869	56071	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	173967	21746	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	4012322	13601	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	3791058	7736.852908	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	7.25	<.0001
YEAR	490	2.81	0.0047
TIME*ID_NUM	490	1.76	<.0001
Residual	.	.	.

The current variable is PRICHNLL

ALL REGIONS

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Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	59391
YEAR	225.04
TIME*ID_NUM	170.92
Residual	7736.85

Fit Statistics

-2 Res Log Likelihood	28826.7
AIC (smaller is better)	28834.7
AICC (smaller is better)	28834.7
BIC (smaller is better)	28855.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	707.67	13.5073	8	52.39	<.0001	0.05	676.52	738.82
TIME	6.4917	1.8223	295	3.56	0.0004	0.05	2.9054	10.0780

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	182.45	-18.9597
2	TIME	-18.9597	3.3207

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	12.69	0.0004

The current variable is SECCHNLL

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SECCHNLL
Covariance Structure	Variance Components
Estimation Method	Type 3

Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	433
Number of Observations Not Used	15

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	58	581208	10021	Var(Residual) + 0.7672 Var(ID_NUM)	MS(Residual)
YEAR	8	71778	8972.286108	Var(Residual) + 11.125 Var(YEAR)	MS(Residual)
TIME*ID_NUM	58	177003	3051.782793	Var(Residual) + 32.689 Var(TIME*ID_NUM)	MS(Residual)
Residual	81	289054	3568.567504	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	81	0.00	.
ID_NUM	81	2.81	<.0001
YEAR	81	2.51	0.0171
TIME*ID_NUM	81	0.86	0.7338
Residual	.	.	.

The current variable is SECCHNLL

----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	8410.19

YEAR	485.73
TIME*ID_NUM	-15.8092
Residual	3568.57

Fit Statistics

-2 Res Log Likelihood	5273.3
AIC (smaller is better)	5281.3
AICC (smaller is better)	5281.4
BIC (smaller is better)	5296.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	91.6809	16.6781	8	5.50	0.0006	0.05	53.2211	130.14
TIME	-0.8960	2.3231	58	-0.39	0.7011	0.05	-5.5461	3.7541

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	278.16	-32.5409
2	TIME	-32.5409	5.3966

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	58	0.15	0.7011

The current variable is SECCHNLL

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SECCHNLL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	424
Number of Observations Not Used	4

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	606085	12369	Var(Residual) + 0.7703 Var(ID_NUM)	MS(Residual)
YEAR	8	19610	2451.307399	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	301570	6154.490479	Var(Residual) + 30.626 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	431337	5391.708742	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	2.29	0.0005
YEAR	80	0.45	0.8841
TIME*ID_NUM	80	1.14	0.2957
Residual	.	.	.

The current variable is SECCHNLL

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	9058.49
YEAR	-267.31
TIME*ID_NUM	24.9059
Residual	5391.71

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	112.21	6.3545	8	17.66	<.0001	0.05	97.5524	126.86
TIME	-5.9638	0.1269	49	-47.01	<.0001	0.05	-6.2187	-5.7088

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	40.3802	0.8061
2	TIME	0.8061	0.01610

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	2209.72	<.0001

The current variable is SECCHNLL

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SECCHNLL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	394
Number of Observations Not Used	8

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	117415	2059.916896	Var(Residual) + 0.7181 Var(ID_NUM)	MS(Residual)
YEAR	8	23114	2889.228588	Var(Residual) + 10.625 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	82668	1450.310288	Var(Residual) + 28.654 Var(TIME*ID_NUM)	MS(Residual)
Residual	77	85679	1112.713939	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	77	0.00	.
ID_NUM	77	1.85	0.0060
YEAR	77	2.60	0.0144
TIME*ID_NUM	77	1.30	0.1387
Residual	.	.	.

The current variable is SECCHNLL

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1319.01
YEAR	167.20
TIME*ID_NUM	11.7818
Residual	1112.71

Fit Statistics

-2 Res Log Likelihood	4880.5
AIC (smaller is better)	4888.5
AICC (smaller is better)	4888.6
BIC (smaller is better)	4902.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	48.0330	9.8050	8	4.90	0.0012	0.05	25.4227	70.6433
TIME	0.9611	1.4440	57	0.67	0.5084	0.05	-1.9305	3.8526

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	96.1374	-12.0868
2	TIME	-12.0868	2.0851

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	0.44	0.5084

The current variable is SECCHNLL

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SECCHNLL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	394
Number of Observations Not Used	27

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	77814	1441.002207	Var(Residual) + 0.731 Var(ID_NUM)	MS(Residual)
YEAR	8	10270	1283.750132	Var(Residual) + 9.125 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	79440	1471.115713	Var(Residual) + 28.804 Var(TIME*ID_NUM)	MS(Residual)
Residual	65	84757	1303.949106	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	65	0.00	.
ID_NUM	65	1.11	0.3480
YEAR	65	0.98	0.4563
TIME*ID_NUM	65	1.13	0.3192
Residual	.	.	.

The current variable is SECCHNLL

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	187.50
YEAR	-2.2136
TIME*ID_NUM	5.8037
Residual	1303.95

Fit Statistics

-2 Res Log Likelihood	4842.4
AIC (smaller is better)	4850.4
AICC (smaller is better)	4850.5
BIC (smaller is better)	4864.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	19.2901	4.0754	8	4.73	0.0015	0.05	9.8921	28.6880
TIME	4.2726	0.6121	54	6.98	<.0001	0.05	3.0454	5.4998

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	16.6091	-2.0785
2	TIME	-2.0785	0.3747

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	48.72	<.0001

The current variable is SECCHNLL

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SECCHNLL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	436
Number of Observations Not Used	19

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	71	988255	13919	Var(Residual) + 0.9094 Var(ID_NUM)	MS(Residual)

YEAR	8	69426	8678.225556	Var(Residual) + 15.375 Var(YEAR)	MS(Residual)
TIME*ID_NUM	71	240083	3381.449022	Var(Residual) + 43.037 Var(TIME*ID_NUM)	MS(Residual)
Residual	115	415272	3611.064839	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	115	0.00	.
ID_NUM	115	3.85	<.0001
YEAR	115	2.40	0.0195
TIME*ID_NUM	115	0.94	0.6138
Residual	.	.	.
The current variable is SECCHNLL			

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	11336
YEAR	329.57
TIME*ID_NUM	-5.3354
Residual	3611.06

Fit Statistics

-2 Res Log Likelihood	5071.9
AIC (smaller is better)	5079.9
AICC (smaller is better)	5080.0
BIC (smaller is better)	5094.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	54.1971	15.2298	8	3.56	0.0074	0.05	19.0771	89.3171
TIME	-0.5632	1.9893	71	-0.28	0.7779	0.05	-4.5298	3.4033

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	231.95	-23.8590
2	TIME	-23.8590	3.9574

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	71	0.08	0.7779

The current variable is SECCHNLL
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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SECCHNLL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2081
Number of Observations Not Used	73

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	293	2525908	8620.846903	Var(Residual) + 0.8075 Var(ID_NUM)	MS(Residual)
YEAR	8	39332	4916.555466	Var(Residual) + 57.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	293	925846	3159.882866	Var(Residual) + 34.373 Var(TIME*ID_NUM)	MS(Residual)
Residual	450	1460965	3246.588283	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
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TIME	450	0.00	.
ID_NUM	450	2.66	<.0001
YEAR	450	1.51	0.1497
TIME*ID_NUM	450	0.97	0.5976
Residual	.	.	.

The current variable is SECCHNLL

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	6655.48
YEAR	29.1697
TIME*ID_NUM	-2.5225
Residual	3246.59

Fit Statistics

-2 Res Log Likelihood	24677.3
AIC (smaller is better)	24685.3
AICC (smaller is better)	24685.4
BIC (smaller is better)	24706.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	57.6962	5.2440	8	11.00	<.0001	0.05	45.6035	69.7889
TIME	0.8164	0.7022	293	1.16	0.2459	0.05	-0.5656	2.1984

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	27.4998	-2.9690
2	TIME	-2.9690	0.4931

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	293	1.35	0.2459

The current variable is PRICHNAREA

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PRICHNAREA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	367888609	6235400	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	5557416	694677	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	69039551	1170162	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	100155209	1112836	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	5.60	<.0001
YEAR	90	0.62	0.7554
TIME*ID_NUM	90	1.05	0.4098
Residual	.	.	.

The current variable is PRICHNAREA

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	6620658
YEAR	-34135
TIME*ID_NUM	1772.53
Residual	1112836

Fit Statistics

-2 Res Log Likelihood	8513.6
AIC (smaller is better)	8521.6
AICC (smaller is better)	8521.7
BIC (smaller is better)	8536.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	4305.79	165.39	8	26.03	<.0001	0.05	3924.41	4687.17
TIME	2.8782	13.0799	59	0.22	0.8266	0.05	-23.2946	29.0511

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	27352	-857.41
2	TIME	-857.41	171.08

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	0.05	0.8266

The current variable is PRICHNAREA

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The Mixed Procedure

Model Information

Dependent Variable	PRICHNAREA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	940089766	19185505	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	3634173	454272	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	51172836	1044344	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	97019474	1183164	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	16.22	<.0001
YEAR	82	0.38	0.9263
TIME*ID_NUM	82	0.88	0.6782
Residual	.	.	.

The current variable is PRICHNAREA

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	23234579
YEAR	-64790
TIME*ID_NUM	-4523.67
Residual	1183164

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	4059.52	325.16	8	12.48	<.0001	0.05	3309.70	4809.34
TIME	9.9467	0.4770	49	20.85	<.0001	0.05	8.9881	10.9054

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	105730	-151.34
2	TIME	-151.34	0.2276

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	434.77	<.0001

The current variable is PRICHNAREA

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PRICHNAREA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	2273825148	39891669	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	42568054	5321007	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	422609021	7414193	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	396536816	4956710	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	8.05	<.0001
YEAR	80	1.07	0.3901
TIME*ID_NUM	80	1.50	0.0481
Residual	.	.	.

The current variable is PRICHNAREA

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	48482641
YEAR	33118
TIME*ID_NUM	85615
Residual	4956710

Fit Statistics

-2 Res Log Likelihood	7856.8
AIC (smaller is better)	7864.8
AICC (smaller is better)	7864.9
BIC (smaller is better)	7879.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	3591.61	594.85	8	6.04	0.0003	0.05	2219.89	4963.33
TIME	-9.2113	66.4990	57	-0.14	0.8903	0.05	-142.37	123.95

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	353843	-24127
2	TIME	-24127	4422.11

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	0.02	0.8903

The current variable is PRICHNAREA

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PRICHNAREA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	344392168	6377633	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	6701525	837691	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	19722668	365235	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	39212250	490153	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	13.01	<.0001
YEAR	80	1.71	0.1090
TIME*ID_NUM	80	0.75	0.8744
Residual	.	.	.

The current variable is PRICHNAREA

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	7901167
YEAR	31594
TIME*ID_NUM	-4314.43
Residual	490153

Fit Statistics

-2 Res Log Likelihood	7757.1
AIC (smaller is better)	7765.1
AICC (smaller is better)	7765.2
BIC (smaller is better)	7779.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	2698.63	212.91	8	12.67	<.0001	0.05	2207.65	3189.61
TIME	48.2258	18.1846	54	2.65	0.0105	0.05	11.7680	84.6837

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	45332	-2090.86
2	TIME	-2090.86	330.68

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	7.03	0.0105

The current variable is PRICHNAREA

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PRICHNAREA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	555879375	7720547	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	3047352	380919	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	109899315	1526379	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	92655618	735362	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	10.50	<.0001
YEAR	126	0.52	0.8411
TIME*ID_NUM	126	2.08	0.0002
Residual	.	.	.

The current variable is PRICHNAREA

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	7646522
YEAR	-21161
TIME*ID_NUM	18487
Residual	735362

Fit Statistics

-2 Res Log Likelihood	8111.4
AIC (smaller is better)	8119.4
AICC (smaller is better)	8119.5
BIC (smaller is better)	8133.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
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Intercept	2407.91	195.67	8	12.31	<.0001	0.05	1956.69	2859.12
TIME	-0.8310	16.7108	72	-0.05	0.9605	0.05	-34.1434	32.4814

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	38287	-1173.06
2	TIME	-1173.06	279.25

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	0.00	0.9605

The current variable is PRICHNAREA

ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PRICHNAREA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)

ID_NUM	295	4641836571	15735039	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	6708378	838547	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	691104440	2342727	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	780379509	1592611	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	9.88	<.0001
YEAR	490	0.53	0.8368
TIME*ID_NUM	490	1.47	<.0001
Residual	.	.	.

The current variable is PRICHNAREA

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	17377781
YEAR	-12113
TIME*ID_NUM	21863
Residual	1592611

Fit Statistics

-2 Res Log Likelihood	40509.2
AIC (smaller is better)	40517.2
AICC (smaller is better)	40517.3
BIC (smaller is better)	40538.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	3530.19	125.09	8	28.22	<.0001	0.05	3241.72	3818.66
TIME	3.5784	10.0255	295	0.36	0.7214	0.05	-16.1522	23.3090

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	15648	-491.60
2	TIME	-491.60	100.51

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	0.13	0.7214

The current variable is SECCHNAREA

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GCG=1-NC

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SECCHNAREA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	433
Number of Observations Not Used	15

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	58	7740735	133461	Var(Residual) + 0.7672 Var(ID_NUM)	MS(Residual)
YEAR	8	990436	123805	Var(Residual) + 11.125 Var(YEAR)	MS(Residual)
TIME*ID_NUM	58	1954179	33693	Var(Residual) + 32.689 Var(TIME*ID_NUM)	MS(Residual)
Residual	81	6975592	86118	Var(Residual)	.

Type 3 Analysis of Variance

Error

Source	DF	F Value	Pr > F
TIME	81	0.00	.
ID_NUM	81	1.55	0.0342
YEAR	81	1.44	0.1937
TIME*ID_NUM	81	0.39	0.9999
Residual	.	.	.

The current variable is SECCHNAREA

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	61709
YEAR	3387.51
TIME*ID_NUM	-1603.78
Residual	86118

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	289.64	56.5313	8	5.12	0.0009	0.05	159.28	420.00
TIME	-1.3910	8.9582	58	-0.16	0.8771	0.05	-19.3226	16.5407

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3195.79	-450.76
2	TIME	-450.76	80.2485

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	58	0.02	0.8771

----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SECCHNAREA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	424
Number of Observations Not Used	4

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	10578366	215885	Var(Residual) + 0.7703 Var(ID_NUM)	MS(Residual)
YEAR	8	487169	60896	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	1878647	38340	Var(Residual) + 30.626 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	6193658	77421	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	2.79	<.0001
YEAR	80	0.79	0.6158
TIME*ID_NUM	80	0.50	0.9955
Residual	.	.	.

----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	179764
YEAR	-1502.24
TIME*ID_NUM	-1276.05
Residual	77421

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	67.3579	35.9298	8	1.87	0.0977	0.05	-15.4965	150.21
TIME	13.3121	1.5310	49	8.70	<.0001	0.05	10.2355	16.3887

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1290.95	-55.0066
2	TIME	-55.0066	2.3439

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	75.61	<.0001

The current variable is SECCHNAREA

----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SECCHNAREA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	394
Number of Observations Not Used	8

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	1657704	29083	Var(Residual) + 0.7181 Var(ID_NUM)	MS(Residual)
YEAR	8	177833	22229	Var(Residual) + 10.625 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	1261685	22135	Var(Residual) + 28.654 Var(TIME*ID_NUM)	MS(Residual)
Residual	77	1591696	20671	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	77	0.00	.
ID_NUM	77	1.41	0.0812
YEAR	77	1.08	0.3892
TIME*ID_NUM	77	1.07	0.3865
Residual	.	.	.

The current variable is SECCHNAREA

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	11713
YEAR	146.61
TIME*ID_NUM	51.0727
Residual	20671

Fit Statistics

-2 Res Log Likelihood	5528.7
AIC (smaller is better)	5536.7
AICC (smaller is better)	5536.8
BIC (smaller is better)	5550.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	93.7026	20.3051	8	4.61	0.0017	0.05	46.8790	140.53
TIME	6.5091	2.9100	57	2.24	0.0292	0.05	0.6819	12.3363

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	412.30	-48.6350
2	TIME	-48.6350	8.4682

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	5.00	0.0292

The current variable is SECCHNAREA

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SECCHNAREA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	394
Number of Observations Not Used	27

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	647215	11985	Var(Residual) + 0.731 Var(ID_NUM)	MS(Residual)
YEAR	8	145307	18163	Var(Residual) + 9.125 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	818339	15154	Var(Residual) + 28.804 Var(TIME*ID_NUM)	MS(Residual)
Residual	65	782160	12033	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	65	0.00	.
ID_NUM	65	1.00	0.5029
YEAR	65	1.51	0.1713
TIME*ID_NUM	65	1.26	0.1862
Residual	.	.	.

The current variable is SECCHNAREA

----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-65.3311
YEAR	671.80

TIME*ID_NUM	108.36
Residual	12033

Fit Statistics

-2 Res Log Likelihood	6527.4
AIC (smaller is better)	6535.4
AICC (smaller is better)	6535.5
BIC (smaller is better)	6549.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	37.6012	20.7218	8	1.81	0.1071	0.05	-10.1835	85.3858
TIME	13.8251	3.1679	54	4.36	<.0001	0.05	7.4738	20.1765

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	429.39	-56.5303
2	TIME	-56.5303	10.0359

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	19.05	<.0001

The current variable is SECCHNAREA

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SECCHNAREA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters

Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	436
Number of Observations Not Used	19

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	71	50731233	714524	Var(Residual) + 0.9094 Var(ID_NUM)	MS(Residual)
YEAR	8	2383885	297986	Var(Residual) + 15.375 Var(YEAR)	MS(Residual)
TIME*ID_NUM	71	6951110	97903	Var(Residual) + 43.037 Var(TIME*ID_NUM)	MS(Residual)
Residual	115	21832373	189847	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	115	0.00	.
ID_NUM	115	3.76	<.0001
YEAR	115	1.57	0.1415
TIME*ID_NUM	115	0.52	0.9985
Residual	.	.	.

The current variable is SECCHNAREA

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	576978
YEAR	7033.42
TIME*ID_NUM	-2136.41
Residual	189847

Fit Statistics

-2 Res Log Likelihood

1.8E308

AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	154.97	77.9751	8	1.99	0.0821	0.05	-24.8390	334.78
TIME	0.1408	7.5533	71	0.02	0.9852	0.05	-14.9200	15.2016

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	6080.12	-404.84
2	TIME	-404.84	57.0521

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	71	0.00	0.9852

The current variable is SECCHNAREA
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SECCHNAREA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
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Number of Observations Used 2081
Number of Observations Not Used 73

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	293	74191841	253214	Var(Residual) + 0.8075 Var(ID_NUM)	MS(Residual)
YEAR	8	1461630	182704	Var(Residual) + 57.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	293	12960752	44235	Var(Residual) + 34.373 Var(TIME*ID_NUM)	MS(Residual)
Residual	450	40098478	89108	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	450	0.00	.
ID_NUM	450	2.84	<.0001
YEAR	450	2.05	0.0394
TIME*ID_NUM	450	0.50	1.0000
Residual	.	.	.

The current variable is SECCHNAREA
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	203230
YEAR	1634.87
TIME*ID_NUM	-1305.46
Residual	89108

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	149.84	31.9796	8	4.69	0.0016	0.05	76.0970	223.59

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1022.70	-111.12
2	TIME	-111.12	17.3335

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	293	1.05	0.3071

The current variable is PCTSCCHNLA

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSCCHNLA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	433
Number of Observations Not Used	15

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
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TIME	0	0	0	0	MS(Residual)
ID_NUM	58	2192.017694	37.793409	Var(Residual) + 0.7672 Var(ID_NUM)	MS(Residual)
YEAR	8	422.779924	52.847491	Var(Residual) + 11.125 Var(YEAR)	MS(Residual)
TIME*ID_NUM	58	921.607945	15.889792	Var(Residual) + 32.689 Var(TIME*ID_NUM)	MS(Residual)
Residual	81	3957.746906	48.861073	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	81	0.00	.
ID_NUM	81	0.77	0.8485
YEAR	81	1.08	0.3844
TIME*ID_NUM	81	0.33	1.0000
Residual	.	.	.
The current variable is PCTSCCHNLA			

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-14.4261
YEAR	0.3583
TIME*ID_NUM	-1.0086
Residual	48.8611

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	6.3442	0.9997	8	6.35	0.0002	0.05	4.0388	8.6496
TIME	-0.4256	0.3010	58	-1.41	0.1628	0.05	-1.0282	0.1771

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	0.9994	-0.2757
2	TIME	-0.2757	0.09063

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	58	2.00	0.1628

The current variable is PCTSCCHNLA

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSCCHNLA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	424
Number of Observations Not Used	4

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	1152.962951	23.529856	Var(Residual) + 0.7703 Var(ID_NUM)	MS(Residual)
YEAR	8	14.519149	1.814894	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	466.593900	9.522324	Var(Residual) + 30.626 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	734.953202	9.186915	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	2.56	<.0001
YEAR	80	0.20	0.9905
TIME*ID_NUM	80	1.04	0.4364
Residual	.	.	.

The current variable is PCTSCCHNLA

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	18.6210
YEAR	-0.6702
TIME*ID_NUM	0.01095
Residual	9.1869

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	2.3830	0.2233	8	10.67	<.0001	0.05	1.8681	2.8979
TIME	0.2966	0.01311	49	22.63	<.0001	0.05	0.2703	0.3230

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.04986	0.002896
2	TIME	0.002896	0.000172

Type 3 Tests of Fixed Effects

Num Den

Effect DF DF F Value Pr > F

TIME 1 49 512.28 <.0001

The current variable is PCTSCCHNLA

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSCCHNLA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	394
Number of Observations Not Used	8

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	812.320072	14.251229	Var(Residual) + 0.7181 Var(ID_NUM)	MS(Residual)
YEAR	8	104.838462	13.104808	Var(Residual) + 10.625 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	468.455049	8.218510	Var(Residual) + 28.654 Var(TIME*ID_NUM)	MS(Residual)
Residual	77	542.326214	7.043198	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	77	0.00	.
ID_NUM	77	2.02	0.0020

YEAR	77	1.86	0.0786
TIME*ID_NUM	77	1.17	0.2622
Residual	.	.	.

The current variable is PCTSCCHNLA

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	10.0374
YEAR	0.5705
TIME*ID_NUM	0.04102
Residual	7.0432

Fit Statistics

-2 Res Log Likelihood	2393.2
AIC (smaller is better)	2401.2
AICC (smaller is better)	2401.3
BIC (smaller is better)	2415.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	3.3406	0.6402	8	5.22	0.0008	0.05	1.8645	4.8168
TIME	0.03159	0.09206	57	0.34	0.7327	0.05	-0.1527	0.2159

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.4098	-0.04939
2	TIME	-0.04939	0.008474

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	0.12	0.7327

The current variable is PCTSCCHNLA

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSCCHNLA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	394
Number of Observations Not Used	27

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	522.415362	9.674359	Var(Residual) + 0.731 Var(ID_NUM)	MS(Residual)
YEAR	8	35.550407	4.443801	Var(Residual) + 9.125 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	580.225402	10.744915	Var(Residual) + 28.804 Var(TIME*ID_NUM)	MS(Residual)
Residual	65	545.594883	8.393767	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	65	0.00	.
ID_NUM	65	1.15	0.2905
YEAR	65	0.53	0.8301
TIME*ID_NUM	65	1.28	0.1698
Residual	.	.	.

The current variable is PCTSCCHNLA

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1.7519
YEAR	-0.4329
TIME*ID_NUM	0.08163
Residual	8.3938

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	-2.1468	0.07883	8	-27.23	<.0001	0.05	-2.3286	-1.9650
TIME	1.4974	0.008500	54	176.16	<.0001	0.05	1.4804	1.5144

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.006214	0.000653
2	TIME	0.000653	0.000072

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	31034.0	<.0001

The current variable is PCTSCCHNLA

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set ODFW2008.DATA
Dependent Variable PCTSCCHNLA

Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	436
Number of Observations Not Used	19

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	71	3179.019740	44.774926	Var(Residual) + 0.9094 Var(ID_NUM)	MS(Residual)
YEAR	8	297.848876	37.231110	Var(Residual) + 15.375 Var(YEAR)	MS(Residual)
TIME*ID_NUM	71	739.474857	10.415139	Var(Residual) + 43.037 Var(TIME*ID_NUM)	MS(Residual)
Residual	115	1864.785506	16.215526	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	115	0.00	.
ID_NUM	115	2.76	<.0001
YEAR	115	2.30	0.0255
TIME*ID_NUM	115	0.64	0.9777
Residual	.	.	.

The current variable is PCTSCCHNLA

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	31.4062
YEAR	1.3669
TIME*ID_NUM	-0.1348
Residual	16.2155

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	2.8901	1.0884	8	2.66	0.0290	0.05	0.3802	5.4000
TIME	0.1239	0.02775	71	4.47	<.0001	0.05	0.06860	0.1793

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.1847	-0.03020
2	TIME	-0.03020	0.000770

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	71	19.95	<.0001

The current variable is PCTSCCHNLA
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSCCHNLA
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2081
Number of Observations Not Used	73

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	293	8572.507298	29.257704	Var(Residual) + 0.8075 Var(ID_NUM)	MS(Residual)
YEAR	8	95.292143	11.911518	Var(Residual) + 57.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	293	3280.420476	11.195974	Var(Residual) + 34.373 Var(TIME*ID_NUM)	MS(Residual)
Residual	450	8425.651386	18.723670	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	450	0.00	.
ID_NUM	450	1.56	<.0001
YEAR	450	0.64	0.7474
TIME*ID_NUM	450	0.60	1.0000
Residual	.	.	.

The current variable is PCTSCCHNLA

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	13.0454
YEAR	-0.1190
TIME*ID_NUM	-0.2190
Residual	18.7237

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308

AICC (smaller is better) 1.8E308
 BIC (smaller is better) 1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	3.3196	0.3626	8	9.15	<.0001	0.05	2.4834	4.1558
TIME	0.2794	0.02531	293	11.04	<.0001	0.05	0.2295	0.3292

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.1315	-0.00918
2	TIME	-0.00918	0.000641

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	293	121.81	<.0001

The current variable is GRADIENT

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	GRADIENT
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	870.717083	14.757917	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	16.827818	2.103477	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	113.673413	1.926668	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	73.278813	0.814209	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	18.13	<.0001
YEAR	90	2.58	0.0138
TIME*ID_NUM	90	2.37	0.0001
Residual	.	.	.
The current variable is GRADIENT			

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	18.0215
YEAR	0.1052
TIME*ID_NUM	0.03440
Residual	0.8142

Fit Statistics

-2 Res Log Likelihood	2218.3
AIC (smaller is better)	2226.3
AICC (smaller is better)	2226.3
BIC (smaller is better)	2240.9

Solution for Fixed Effects

Standard

Effect	Estimate	Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	4.3382	0.3739	8	11.60	<.0001	0.05	3.4760	5.2004
TIME	-0.03618	0.04514	59	-0.80	0.4261	0.05	-0.1265	0.05415

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.1398	-0.01114
2	TIME	-0.01114	0.002038

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	0.64	0.4261

The current variable is GRADIENT

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	GRADIENT
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	508.017601	10.367706	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	3.069220	0.383653	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	71.439842	1.457956	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	36.919152	0.450234	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	23.03	<.0001
YEAR	82	0.85	0.5601
TIME*ID_NUM	82	3.24	<.0001
Residual	.	.	.

The current variable is GRADIENT

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	12.7999
YEAR	-0.00592
TIME*ID_NUM	0.03284
Residual	0.4502

Fit Statistics

-2 Res Log Likelihood	2163.1
AIC (smaller is better)	2171.1
AICC (smaller is better)	2171.2
BIC (smaller is better)	2185.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	4.3124	0.2682	8	16.08	<.0001	0.05	3.6938	4.9309
TIME	-0.03365	0.02932	49	-1.15	0.2566	0.05	-0.09256	0.02526

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.07195	-0.00438
2	TIME	-0.00438	0.000859

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	1.32	0.2566

The current variable is GRADIENT

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	GRADIENT
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	1415.818653	24.838924	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	48.175316	6.021915	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	187.989456	3.298061	Var(Residual) + 28.704	MS(Residual)

Residual 80 170.803608 2.135045 Var(TIME*ID_NUM)
Var(Residual) .

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	11.63	<.0001
YEAR	80	2.82	0.0083
TIME*ID_NUM	80	1.54	0.0363
Residual	.	.	.

The current variable is GRADIENT

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	31.5084
YEAR	0.3534
TIME*ID_NUM	0.04052
Residual	2.1350

Fit Statistics

-2 Res Log Likelihood	2286.8
AIC (smaller is better)	2294.8
AICC (smaller is better)	2294.9
BIC (smaller is better)	2309.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	5.0057	0.5885	8	8.51	<.0001	0.05	3.6485	6.3629
TIME	-0.02843	0.07269	57	-0.39	0.6971	0.05	-0.1740	0.1171

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.3464	-0.03060
2	TIME	-0.03060	0.005284

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	0.15	0.6971

The current variable is GRADIENT

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	GRADIENT
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	1100.907136	20.387169	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	85.315516	10.664439	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	270.119594	5.002215	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	102.567773	1.282097	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F

TIME	80	0.00	.
ID_NUM	80	15.90	<.0001
YEAR	80	8.32	<.0001
TIME*ID_NUM	80	3.90	<.0001
Residual	.	.	.

The current variable is GRADIENT

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	25.6396
YEAR	0.8529
TIME*ID_NUM	0.1285
Residual	1.2821

Fit Statistics

-2 Res Log Likelihood	2375.4
AIC (smaller is better)	2383.4
AICC (smaller is better)	2383.5
BIC (smaller is better)	2397.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	6.5641	0.7407	8	8.86	<.0001	0.05	4.8560	8.2723
TIME	-0.1021	0.1036	54	-0.99	0.3286	0.05	-0.3098	0.1056

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.5487	-0.06178
2	TIME	-0.06178	0.01073

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	0.97	0.3286

The current variable is GRADIENT

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GCG=5-SC

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	GRADIENT
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	3098.991726	43.041552	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	35.478002	4.434750	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	219.473847	3.048248	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	131.568596	1.044195	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	41.22	<.0001
YEAR	126	4.25	0.0002
TIME*ID_NUM	126	2.92	<.0001
Residual	.	.	.

The current variable is GRADIENT

----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	45.9735
YEAR	0.2024
TIME*ID_NUM	0.04684
Residual	1.0442

Fit Statistics

-2 Res Log Likelihood	2488.7
AIC (smaller is better)	2496.7
AICC (smaller is better)	2496.8
BIC (smaller is better)	2510.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	8.8008	0.5515	8	15.96	<.0001	0.05	7.5290	10.0727
TIME	-0.1032	0.05370	72	-1.92	0.0586	0.05	-0.2102	0.003869

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.3042	-0.01607
2	TIME	-0.01607	0.002884

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	3.69	0.0586

The current variable is GRADIENT
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The Mixed Procedure

Model Information

Data Set

ODFW2008.DATA

Dependent Variable	GRADIENT
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	8032.745310	27.229645	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	31.304601	3.913075	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	896.227634	3.038060	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	672.699213	1.372856	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	19.83	<.0001
YEAR	490	2.85	0.0042
TIME*ID_NUM	490	2.21	<.0001
Residual	.	.	.

The current variable is GRADIENT
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	31.7720
YEAR	0.04081
TIME*ID_NUM	0.04853
Residual	1.3729

Fit Statistics

-2 Res Log Likelihood	11810.7
AIC (smaller is better)	11818.7
AICC (smaller is better)	11818.7
BIC (smaller is better)	11839.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	5.7317	0.2270	8	25.25	<.0001	0.05	5.2082	6.2552
TIME	-0.06223	0.02634	295	-2.36	0.0188	0.05	-0.1141	-0.01038

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.05154	-0.00392
2	TIME	-0.00392	0.000694

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	5.58	0.0188

The current variable is VWIRCH

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	VWIRCH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	2589.097578	43.883010	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	520.787044	65.098380	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	580.938744	9.846419	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	3699.016476	41.100183	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	1.07	0.3849
YEAR	90	1.58	0.1407
TIME*ID_NUM	90	0.24	1.0000
Residual	.	.	.

The current variable is VWIRCH

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	3.5967
YEAR	1.9590
TIME*ID_NUM	-0.9664
Residual	41.1002

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	7.3591	1.5520	8	4.74	0.0015	0.05	3.7801	10.9381
TIME	-0.1024	0.3861	59	-0.27	0.7917	0.05	-0.8750	0.6702

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.4088	-0.5503
2	TIME	-0.5503	0.1491

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	0.07	0.7917

The current variable is VWIRCH

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	VWIRCH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	595.717376	12.157497	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	294.474200	36.809275	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	763.397549	15.579542	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	3285.443564	40.066385	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	0.30	1.0000
YEAR	82	0.92	0.5055
TIME*ID_NUM	82	0.39	0.9997
Residual	.	.	.

The current variable is VWIRCH

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-36.0204
YEAR	-0.2895
TIME*ID_NUM	-0.7979
Residual	40.0664

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	6.4409	0.4008	8	16.07	<.0001	0.05	5.5167	7.3651
TIME	-2.5955	0.3786	49	-6.85	<.0001	0.05	-3.3563	-1.8346

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.1606	-0.1491
2	TIME	-0.1491	0.1434

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	46.99	<.0001

The current variable is VWIRCH

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	VWIRCH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	1185.001605	20.789502	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	35.504373	4.438047	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	234.183949	4.108490	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	151.437809	1.892973	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	10.98	<.0001
YEAR	80	2.34	0.0256
TIME*ID_NUM	80	2.17	0.0007
Residual	.	.	.

The current variable is VWIRCH

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GCG=3-MS

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	26.2246
YEAR	0.2314
TIME*ID_NUM	0.07719
Residual	1.8930

Fit Statistics

-2 Res Log Likelihood	2340.9
AIC (smaller is better)	2348.9
AICC (smaller is better)	2349.0
BIC (smaller is better)	2363.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	4.5507	0.5301	8	8.59	<.0001	0.05	3.3284	5.7730
TIME	0.1659	0.06742	57	2.46	0.0169	0.05	0.03087	0.3009

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2810	-0.02513
2	TIME	-0.02513	0.004545

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	6.05	0.0169

The current variable is VWIRCH

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	VWIRCH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0 0		MS(Residual)

ID_NUM	54	1523.495869	28.212886	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	172.813906	21.601738	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	4421.189812	81.873885	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	2547.952984	31.849412	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	0.89	0.6797
YEAR	80	0.68	0.7093
TIME*ID_NUM	80	2.57	<.0001
Residual	.	.	.

The current variable is VWIRCH

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-4.8803
YEAR	-0.9316
TIME*ID_NUM	1.7277
Residual	31.8494

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	4.2454	0.09293	8	45.69	<.0001	0.05	4.0312	4.4597
TIME	0.5301	0.1110	54	4.78	<.0001	0.05	0.3076	0.7526

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.008635	-0.01031

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	22.82	<.0001

The current variable is VWIRCH

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	VWIRCH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	4899.904118	68.054224	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	747.509270	93.438659	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	3023.122592	41.987814	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	13873	110.099649	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	0.62	0.9868
YEAR	126	0.85	0.5618
TIME*ID_NUM	126	0.38	1.0000
Residual	.	.	.
The current variable is VWIRCH			

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	-46.0262
YEAR	-0.9947
TIME*ID_NUM	-1.5918
Residual	110.10

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	1.5496	0.1053	8	14.72	<.0001	0.05	1.3068	1.7923
TIME	0.5352	0.06825	72	7.84	<.0001	0.05	0.3991	0.6712

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.01108	-0.00712
2	TIME	-0.00712	0.004658

Type 3 Tests of Fixed Effects

		Num	Den		
Effect	DF	DF	F Value	Pr > F	

TIME 1 72 61.49 <.0001

The current variable is VWIRCH

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ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	VWIRCH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	11673	39.568482	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	286.852322	35.856540	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	9879.791079	33.490817	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	25041	51.103353	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error		
	DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	0.77	0.9921
YEAR	490	0.70	0.6902
TIME*ID_NUM	490	0.66	1.0000
Residual	.	.	.

ALL REGIONS

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The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	-14.1737
YEAR	-0.2449
TIME*ID_NUM	-0.5133
Residual	51.1034

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	9.0411	0.02441	8	370.44	<.0001	0.05	8.9848	9.0974
TIME	-0.5672	0.006254	295	-90.69	<.0001	0.05	-0.5795	-0.5549

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000596	-0.00015
2	TIME	-0.00015	0.000039

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	8224.43	<.0001

The current variable is WIDTH

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	WIDTH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	255.215210	4.325682	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	8.536532	1.067066	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	86.223640	1.461418	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	147.087320	1.634304	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	2.65	<.0001
YEAR	90	0.65	0.7312
TIME*ID_NUM	90	0.89	0.6744
Residual	.	.	.
The current variable is WIDTH			

----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	3.4785
YEAR	-0.04631
TIME*ID_NUM	-0.00535
Residual	1.6343

Fit Statistics

-2 Res Log Likelihood	2405.7
AIC (smaller is better)	2413.7
AICC (smaller is better)	2413.8
BIC (smaller is better)	2428.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	4.8594	0.1133	8	42.90	<.0001	0.05	4.5981	5.1206
TIME	-0.05521	0.005212	59	-10.59	<.0001	0.05	-0.06564	-0.04478

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.01283	-0.00019
2	TIME	-0.00019	0.000027

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	112.21	<.0001

The current variable is WIDTH

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	WIDTH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	1306.464166	26.662534	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	16.409805	2.051226	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	103.692471	2.116173	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	312.023169	3.805161	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	7.01	<.0001
YEAR	82	0.54	0.8238
TIME*ID_NUM	82	0.56	0.9860
Residual	.	.	.

The current variable is WIDTH

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	29.5007
YEAR	-0.1559
TIME*ID_NUM	-0.05504
Residual	3.8052

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	3.5891	0.5378	8	6.67	0.0002	0.05	2.3489	4.8293
TIME	0.03017	0.004397	49	6.86	<.0001	0.05	0.02133	0.03900

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2892	-0.00236
2	TIME	-0.00236	0.000019

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	47.06	<.0001

The current variable is WIDTH

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	WIDTH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523

Subjects 1
Max Obs Per Subject 402

Number of Observations

Number of Observations Read 402
Number of Observations Used 402
Number of Observations Not Used 0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	963.699052	16.907001	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	16.144132	2.018016	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	76.829080	1.347879	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	113.649304	1.420616	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	11.90	<.0001
YEAR	80	1.42	0.2008
TIME*ID_NUM	80	0.95	0.5791
Residual	.	.	.

The current variable is WIDTH

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	21.4920
YEAR	0.05431
TIME*ID_NUM	-0.00253
Residual	1.4206

Fit Statistics

-2 Res Log Likelihood	1925.8
AIC (smaller is better)	1933.8
AICC (smaller is better)	1933.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	3.9734	0.3715	8	10.70	<.0001	0.05	3.1168	4.8300
TIME	-0.06027	0.03501	57	-1.72	0.0906	0.05	-0.1304	0.009842

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.1380	-0.00741
2	TIME	-0.00741	0.001226

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	2.96	0.0906

The current variable is WIDTH

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	WIDTH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read

421

Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	231.101146	4.279651	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	4.851845	0.606481	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	16.665674	0.308624	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	33.509482	0.418869	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	10.22	<.0001
YEAR	80	1.45	0.1898
TIME*ID_NUM	80	0.74	0.8832
Residual	.	.	.

The current variable is WIDTH

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	5.1813
YEAR	0.01706
TIME*ID_NUM	-0.00381
Residual	0.4189

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
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Intercept	0.8244	0.1596	8	5.17	0.0009	0.05	0.4565	1.1923
TIME	0.3995	0.01003	54	39.85	<.0001	0.05	0.3794	0.4196

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.02546	-0.00068
2	TIME	-0.00068	0.000101

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	1588.38	<.0001

The current variable is WIDTH

GCG=5-SC

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	WIDTH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Sum of

Source	DF	Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	328.916387	4.568283	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	2.426463	0.303308	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	120.520162	1.673891	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	72.207308	0.573074	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	7.97	<.0001
YEAR	126	0.53	0.8327
TIME*ID_NUM	126	2.92	<.0001
Residual	.	.	.

The current variable is WIDTH

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	4.3735
YEAR	-0.01611
TIME*ID_NUM	0.02573
Residual	0.5731

Fit Statistics

-2 Res Log Likelihood	1793.7
AIC (smaller is better)	1801.7
AICC (smaller is better)	1801.8
BIC (smaller is better)	1815.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	3.3651	0.1594	8	21.11	<.0001	0.05	2.9975	3.7327
TIME	-0.00672	0.01818	72	-0.37	0.7127	0.05	-0.04297	0.02952

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	0.02541	-0.00126
2	TIME	-0.00126	0.000331

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	0.14	0.7127

The current variable is WIDTH
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	WIDTH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	3263.170586	11.061595	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	5.540394	0.692549	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	411.272863	1.394145	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	721.304964	1.472051	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	7.51	<.0001
YEAR	490	0.47	0.8771
TIME*ID_NUM	490	0.95	0.6955
Residual	.	.	.

The current variable is WIDTH

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The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	11.7833
YEAR	-0.01252
TIME*ID_NUM	-0.00227
Residual	1.4721

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	3.9767	0.09409	8	42.26	<.0001	0.05	3.7597	4.1937
TIME	-0.02620	0.000080	295	-327.74	<.0001	0.05	-0.02636	-0.02605

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.008854	-7.52E-6
2	TIME	-7.52E-6	6.392E-9

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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The current variable is ACW

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	ACW
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	1484.562301	25.162073	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	132.955594	16.619449	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	793.677120	13.452155	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	567.758306	6.308426	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	3.99	<.0001
YEAR	90	2.63	0.0122
TIME*ID_NUM	90	2.13	0.0006

----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	24.3674
YEAR	0.8417
TIME*ID_NUM	0.2209
Residual	6.3084

Fit Statistics

-2 Res Log Likelihood	2861.7
AIC (smaller is better)	2869.7
AICC (smaller is better)	2869.8
BIC (smaller is better)	2884.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	9.8298	0.7743	8	12.70	<.0001	0.05	8.0442	11.6153
TIME	-0.1142	0.1152	59	-0.99	0.3259	0.05	-0.3448	0.1164

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.5995	-0.07203
2	TIME	-0.07203	0.01328

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	0.98	0.3259

The current variable is ACW

----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	ACW
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	2065.564639	42.154380	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	25.053772	3.131721	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	111.193225	2.269249	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	174.275379	2.125309	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	19.83	<.0001
YEAR	82	1.47	0.1796
TIME*ID_NUM	82	1.07	0.3906
Residual	.	.	.

The current variable is ACW

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	51.6632
YEAR	0.08946
TIME*ID_NUM	0.004690
Residual	2.1253

Fit Statistics

-2 Res Log Likelihood	2450.1
AIC (smaller is better)	2458.1
AICC (smaller is better)	2458.2
BIC (smaller is better)	2472.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	8.1193	0.5230	8	15.52	<.0001	0.05	6.9133	9.3253
TIME	-0.09523	0.04731	49	-2.01	0.0496	0.05	-0.1903	-0.00016

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2735	-0.01326
2	TIME	-0.01326	0.002238

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	4.05	0.0496

The current variable is ACW

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	ACW
Covariance Structure	Variance Components
Estimation Method	Type 3

Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	7055.424839	123.779383	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	79.665628	9.958203	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	829.759343	14.557181	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	714.903310	8.936291	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	13.85	<.0001
YEAR	80	1.11	0.3627
TIME*ID_NUM	80	1.63	0.0220
Residual	.	.	.

The current variable is ACW

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	159.38
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YEAR	0.09290
TIME*ID_NUM	0.1958
Residual	8.9363

Fit Statistics

-2 Res Log Likelihood	2741.1
AIC (smaller is better)	2749.1
AICC (smaller is better)	2749.2
BIC (smaller is better)	2763.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	8.0141	0.9887	8	8.11	<.0001	0.05	5.7341	10.2941
TIME	0.001014	0.09792	57	0.01	0.9918	0.05	-0.1951	0.1971

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.9776	-0.05236
2	TIME	-0.05236	0.009588

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	0.00	0.9918

The current variable is ACW

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	ACW
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	596.472258	11.045783	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	17.324338	2.165542	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	66.504885	1.231572	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	96.744510	1.209306	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	9.13	<.0001
YEAR	80	1.79	0.0910
TIME*ID_NUM	80	1.02	0.4645
Residual	.	.	.

The current variable is ACW

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	13.2008
YEAR	0.08693
TIME*ID_NUM	0.000769
Residual	1.2093

Fit Statistics

-2 Res Log Likelihood	2206.5
AIC (smaller is better)	2214.5
AICC (smaller is better)	2214.6
BIC (smaller is better)	2229.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	6.0884	0.3387	8	17.98	<.0001	0.05	5.3074	6.8693
TIME	0.02575	0.03856	54	0.67	0.5072	0.05	-0.05156	0.1031

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.1147	-0.00907
2	TIME	-0.00907	0.001487

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	0.45	0.5072

The current variable is ACW

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	ACW
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	2658.368019	36.921778	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	77.464865	9.683108	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	491.145220	6.821461	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	516.810812	4.101673	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	9.00	<.0001
YEAR	126	2.36	0.0212
TIME*ID_NUM	126	1.66	0.0064
Residual	.	.	.

The current variable is ACW

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	35.9274
YEAR	0.3332
TIME*ID_NUM	0.06356
Residual	4.1017

Fit Statistics

-2 Res Log Likelihood	2543.3
AIC (smaller is better)	2551.3
AICC (smaller is better)	2551.4
BIC (smaller is better)	2565.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	7.4584	0.6046	8	12.34	<.0001	0.05	6.0643	8.8526
TIME	-0.1598	0.07231	72	-2.21	0.0303	0.05	-0.3039	-0.01561

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.3655	-0.02954
2	TIME	-0.02954	0.005229

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	4.88	0.0303

The current variable is ACW

ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	ACW
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	14724	49.913158	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	74.620326	9.327541	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	2430.926844	8.240430	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	2328.336187	4.751707	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	10.50	<.0001
YEAR	490	1.96	0.0493
TIME*ID_NUM	490	1.73	<.0001
Residual	.	.	.

The current variable is ACW

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ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	55.4930
YEAR	0.07351
TIME*ID_NUM	0.1017
Residual	4.7517

Fit Statistics

-2 Res Log Likelihood	13111.5
AIC (smaller is better)	13119.5
AICC (smaller is better)	13119.5
BIC (smaller is better)	13140.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	7.9184	0.3175	8	24.94	<.0001	0.05	7.1864	8.6505
TIME	-0.06488	0.03857	295	-1.68	0.0936	0.05	-0.1408	0.01103

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	0.1008	-0.00838
2	TIME	-0.00838	0.001488

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	2.83	0.0936

The current variable is ACH

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	ACH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	3.450477	0.058483	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	1.197112	0.149639	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	2.062972	0.034966	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	1.939030	0.021545	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	2.71	<.0001
YEAR	90	6.95	<.0001
TIME*ID_NUM	90	1.62	0.0188
Residual	.	.	.

The current variable is ACH

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.04774
YEAR	0.01046
TIME*ID_NUM	0.000415
Residual	0.02154

Fit Statistics

-2 Res Log Likelihood	308.3
AIC (smaller is better)	316.3
AICC (smaller is better)	316.4
BIC (smaller is better)	330.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.6703	0.07050	8	9.51	<.0001	0.05	0.5077	0.8329
TIME	-0.02313	0.01043	59	-2.22	0.0305	0.05	-0.04400	-0.00225

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.004970	-0.00064
2	TIME	-0.00064	0.000109

Type 3 Tests of Fixed Effects

	Num	Den	F Value	Pr > F
Effect	DF	DF		
TIME	1	59	4.91	0.0305

The current variable is ACH

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	ACH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	2.137755	0.043628	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	0.293763	0.036720	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	0.768100	0.015676	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	1.555418	0.018969	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.

ID_NUM	82	2.30	0.0004
YEAR	82	1.94	0.0654
TIME*ID_NUM	82	0.83	0.7630
Residual	.	.	.

The current variable is ACH

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.03183
YEAR	0.001578
TIME*ID_NUM	-0.00011
Residual	0.01897

Fit Statistics

-2 Res Log Likelihood	-170.5
AIC (smaller is better)	-162.5
AICC (smaller is better)	-162.4
BIC (smaller is better)	-147.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.5263	0.03196	8	16.47	<.0001	0.05	0.4526	0.6000
TIME	-0.00768	0.004381	49	-1.75	0.0858	0.05	-0.01648	0.001123

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.001021	-0.00012
2	TIME	-0.00012	0.000019

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	3.07	0.0858

The current variable is ACH

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	ACH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	6.511781	0.114242	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	0.527295	0.065912	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	3.353143	0.058827	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	2.607372	0.032592	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	3.51	<.0001
YEAR	80	2.02	0.0541
TIME*ID_NUM	80	1.80	0.0074
Residual	.	.	.

The current variable is ACH

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.1133
YEAR	0.003029
TIME*ID_NUM	0.000914
Residual	0.03259

Fit Statistics

-2 Res Log Likelihood	200.9
AIC (smaller is better)	208.9
AICC (smaller is better)	209.0
BIC (smaller is better)	223.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.5957	0.05107	8	11.67	<.0001	0.05	0.4780	0.7135
TIME	-0.00573	0.007415	57	-0.77	0.4431	0.05	-0.02058	0.009122

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.002608	-0.00030
2	TIME	-0.00030	0.000055

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	0.60	0.4431

The current variable is ACH

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The Mixed Procedure

Model Information

Dependent Variable	ACH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	1.191054	0.022057	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	0.296211	0.037026	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	0.716380	0.013266	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	1.259785	0.015747	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	1.40	0.0845
YEAR	80	2.35	0.0252
TIME*ID_NUM	80	0.84	0.7471
Residual	.	.	.

The current variable is ACH

----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.008467
YEAR	0.001934
TIME*ID_NUM	-0.00009
Residual	0.01575

Fit Statistics

-2 Res Log Likelihood	-324.6
AIC (smaller is better)	-316.6
AICC (smaller is better)	-316.5
BIC (smaller is better)	-302.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.5138	0.03204	8	16.04	<.0001	0.05	0.4399	0.5876
TIME	-0.00574	0.004533	54	-1.27	0.2105	0.05	-0.01483	0.003344

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.001026	-0.00013
2	TIME	-0.00013	0.000021

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	1.61	0.2105

The current variable is ACH

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	ACH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	4.023161	0.055877	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	0.248116	0.031014	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	2.580701	0.035843	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	3.842111	0.030493	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	1.83	0.0015
YEAR	126	1.02	0.4266
TIME*ID_NUM	126	1.18	0.2130
Residual	.	.	.

The current variable is ACH

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.02779
YEAR	0.000031
TIME*ID_NUM	0.000125
Residual	0.03049

Fit Statistics

-2 Res Log Likelihood	-15.0
AIC (smaller is better)	-7.0
AICC (smaller is better)	-6.9
BIC (smaller is better)	7.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.6762	0.02259	8	29.93	<.0001	0.05	0.6241	0.7283
TIME	-0.02134	0.003073	72	-6.94	<.0001	0.05	-0.02747	-0.01521

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000511	-0.00005
2	TIME	-0.00005	9.446E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	48.21	<.0001

The current variable is ACH

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	ACH
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	19.381752	0.065701	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	0.369966	0.046246	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	10.496048	0.035580	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	13.396246	0.027339	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	2.40	<.0001
YEAR	490	1.69	0.0979
TIME*ID_NUM	490	1.30	0.0052
Residual	.	.	.

The current variable is ACH

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.04714
YEAR	0.000304
TIME*ID_NUM	0.000240
Residual	0.02734

Fit Statistics

-2 Res Log Likelihood	202.3
AIC (smaller is better)	210.3
AICC (smaller is better)	210.3
BIC (smaller is better)	231.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.5971	0.01610	8	37.10	<.0001	0.05	0.5600	0.6343
TIME	-0.01288	0.002310	295	-5.58	<.0001	0.05	-0.01743	-0.00834

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000259	-0.00003
2	TIME	-0.00003	5.334E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	31.11	<.0001

The current variable is NOP00LS

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	NOP00LS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	5382.363985	91.226508	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	1592.818173	199.102272	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	3296.346759	55.870284	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	4047.888759	44.976542	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	2.03	0.0012
YEAR	90	4.43	0.0002
TIME*ID_NUM	90	1.24	0.1749
Residual	.	.	.

The current variable is NOP00LS

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	59.7758
YEAR	12.5817
TIME*ID_NUM	0.3368
Residual	44.9765

Fit Statistics

-2 Res Log Likelihood	3263.2
AIC (smaller is better)	3271.2
AICC (smaller is better)	3271.3
BIC (smaller is better)	3285.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	16.4727	2.4857	8	6.63	0.0002	0.05	10.7406	22.2047
TIME	-0.1266	0.3667	59	-0.35	0.7310	0.05	-0.8603	0.6070

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	6.1787	-0.7903
2	TIME	-0.7903	0.1344

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	0.12	0.7310

The current variable is NOP0OLS

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	NOP0OLS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	4514.961850	92.142079	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	255.662836	31.957855	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)

TIME*ID_NUM	49	2068.948030	42.223429	Var(Residual) + 30.688	MS(Residual)
				Var(TIME*ID_NUM)	
Residual	82	4743.111031	57.842817	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	1.59	0.0310
YEAR	82	0.55	0.8134
TIME*ID_NUM	82	0.73	0.8826
Residual	.	.	.

The current variable is NOP00LS

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	44.2681
YEAR	-2.3009
TIME*ID_NUM	-0.5090
Residual	57.8428

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	19.7107	0.7927	8	24.86	<.0001	0.05	17.8826	21.5387
TIME	0.1668	0.05032	49	3.31	0.0017	0.05	0.06567	0.2679

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.6284	-0.03988
2	TIME	-0.03988	0.002532

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	10.99	0.0017

The current variable is NOP0OLS

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	NOP0OLS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	3908.592916	68.571806	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	889.677718	111.209715	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	1626.266593	28.530993	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	3292.816350	41.160204	Var(Residual)	.

Type 3 Analysis of Variance

Error

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	1.67	0.0176
YEAR	80	2.70	0.0110
TIME*ID_NUM	80	0.69	0.9274
Residual	.	.	.

The current variable is NOP00LS

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	38.0417
YEAR	6.3681
TIME*ID_NUM	-0.4400
Residual	41.1602

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	13.6673	1.8271	8	7.48	<.0001	0.05	9.4541	17.8805
TIME	0.3900	0.2564	57	1.52	0.1338	0.05	-0.1234	0.9034

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.3381	-0.4105
2	TIME	-0.4105	0.06573

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	2.31	0.1338

----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	NOP0OLS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	2434.094092	45.075817	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	871.072163	108.884020	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	1489.238522	27.578491	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	2406.871429	30.085893	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	1.50	0.0496
YEAR	80	3.62	0.0012
TIME*ID_NUM	80	0.92	0.6296
Residual	.	.	.

----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	20.1169
YEAR	7.1635
TIME*ID_NUM	-0.08660
Residual	30.0859

Fit Statistics

-2 Res Log Likelihood	3200.0
AIC (smaller is better)	3208.0
AICC (smaller is better)	3208.1
BIC (smaller is better)	3222.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	12.1124	1.8699	8	6.48	0.0002	0.05	7.8005	16.4244
TIME	0.3902	0.2709	54	1.44	0.1555	0.05	-0.1529	0.9333

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.4965	-0.4450
2	TIME	-0.4450	0.07338

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	2.07	0.1555

The current variable is NOP00LS

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	NOP0OLS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	4471.691020	62.106820	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	772.712137	96.589017	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	2330.883432	32.373381	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	3050.464417	24.210035	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	2.57	<.0001
YEAR	126	3.99	0.0003
TIME*ID_NUM	126	1.34	0.0775
Residual	.	.	.

The current variable is NOP0OLS

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	41.4847
YEAR	4.3211
TIME*ID_NUM	0.1908
Residual	24.2100

Fit Statistics

-2 Res Log Likelihood	3057.4
AIC (smaller is better)	3065.4
AICC (smaller is better)	3065.5
BIC (smaller is better)	3079.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	11.5543	1.5249	8	7.58	<.0001	0.05	8.0378	15.0709
TIME	-0.1258	0.2197	72	-0.57	0.5687	0.05	-0.5638	0.3122

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.3255	-0.2829
2	TIME	-0.2829	0.04827

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	0.33	0.5687

The current variable is NOP00LS
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	NOP00LS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	23593	79.976882	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	1353.318016	169.164752	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	11814	40.048818	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	20570	41.979137	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	1.91	<.0001
YEAR	490	4.03	0.0001
TIME*ID_NUM	490	0.95	0.6707
Residual	.	.	.

The current variable is NOP00LS

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ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	46.6905
YEAR	2.0431
TIME*ID_NUM	-0.05626
Residual	41.9791

Fit Statistics

-2 Res Log Likelihood	15836.6
AIC (smaller is better)	15844.6
AICC (smaller is better)	15844.7
BIC (smaller is better)	15865.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	14.6947	1.0033	8	14.65	<.0001	0.05	12.3811	17.0083
TIME	0.1263	0.1453	295	0.87	0.3857	0.05	-0.1598	0.4123

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.0066	-0.1270
2	TIME	-0.1270	0.02113

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	0.75	0.3857

The current variable is PCTP00LS

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTP00LS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	29257	495.874465	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	4221.928056	527.741007	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	17263	292.595703	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	21423	238.028273	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	2.08	0.0008
YEAR	90	2.22	0.0332
TIME*ID_NUM	90	1.23	0.1867
Residual	.	.	.

The current variable is PCTP00LS

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	333.25
YEAR	23.6500
TIME*ID_NUM	1.6872
Residual	238.03

Fit Statistics

-2 Res Log Likelihood	4121.5
AIC (smaller is better)	4129.5
AICC (smaller is better)	4129.6
BIC (smaller is better)	4144.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	33.1876	3.8482	8	8.62	<.0001	0.05	24.3135	42.0616
TIME	0.2705	0.5660	59	0.48	0.6344	0.05	-0.8621	1.4032

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	14.8088	-1.8402
2	TIME	-1.8402	0.3204

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	0.23	0.6344

The current variable is PCTP00LS

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTP00LS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	14193	289.659463	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	558.639350	69.829919	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	7604.949320	155.203047	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	10231	124.763206	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	2.32	0.0004
YEAR	82	0.56	0.8077
TIME*ID_NUM	82	1.24	0.1894
Residual	.	.	.

The current variable is PCTP00LS

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	212.82
YEAR	-4.8830
TIME*ID_NUM	0.9919
Residual	124.76

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	16.1815	0.4502	8	35.94	<.0001	0.05	15.1432	17.2197

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2027	0.02884
2	TIME	0.02884	0.004116

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	2086.75	<.0001
The current variable is PCTP00LS				

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15:55 Saturday, August 29, 2009

----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTP00LS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
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TIME	0	0	0	0	MS(Residual)
ID_NUM	57	31230	547.888238	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	3978.886515	497.360814	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	12317	216.093083	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	14392	179.896260	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	3.05	<.0001
YEAR	80	2.76	0.0095
TIME*ID_NUM	80	1.20	0.2230
Residual	.	.	.
The current variable is PCTP00LS			

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	510.70
YEAR	28.8604
TIME*ID_NUM	1.2610
Residual	179.90

Fit Statistics

-2 Res Log Likelihood	3643.4
AIC (smaller is better)	3651.4
AICC (smaller is better)	3651.5
BIC (smaller is better)	3665.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	36.9234	4.2454	8	8.70	<.0001	0.05	27.1336	46.7132
TIME	0.6228	0.6033	57	1.03	0.3063	0.05	-0.5853	1.8309

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
-----	--------	------	------

1	Intercept	18.0231	-2.1413
2	TIME	-2.1413	0.3640

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	1.07	0.3063

The current variable is PCTP00LS

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTP00LS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	14799	274.057171	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	1134.627599	141.828450	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	3633.998650	67.296271	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	6072.382518	75.904781	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	3.61	<.0001
YEAR	80	1.87	0.0766
TIME*ID_NUM	80	0.89	0.6784
Residual	.	.	.

The current variable is PCTP00LS

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	265.93
YEAR	5.9931
TIME*ID_NUM	-0.2973
Residual	75.9048

Fit Statistics

-2 Res Log Likelihood	3713.3
AIC (smaller is better)	3721.3
AICC (smaller is better)	3721.4
BIC (smaller is better)	3735.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	26.2618	2.2042	8	11.91	<.0001	0.05	21.1789	31.3446
TIME	0.09165	0.2881	54	0.32	0.7516	0.05	-0.4859	0.6692

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	4.8584	-0.5129
2	TIME	-0.5129	0.08298

Type 3 Tests of Fixed Effects

Num Den

Effect DF DF F Value Pr > F

TIME 1 54 0.10 0.7516

The current variable is PCTP00LS

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTP00LS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	14275	198.258415	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	1061.189505	132.648688	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	10381	144.179276	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	9641.172433	76.517242	Var(Residual)	.

Type 3 Analysis of Variance

	Error			
Source	DF	F Value	Pr > F	
TIME	126	0.00	.	
ID_NUM	126	2.59	<.0001	

YEAR	126	1.73	0.0968
TIME*ID_NUM	126	1.88	0.0009
Residual	.	.	.

The current variable is PCTP00LS

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	133.27
YEAR	3.3511
TIME*ID_NUM	1.5813
Residual	76.5172

Fit Statistics

-2 Res Log Likelihood	3674.2
AIC (smaller is better)	3682.2
AICC (smaller is better)	3682.2
BIC (smaller is better)	3696.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	16.9384	1.7835	8	9.50	<.0001	0.05	12.8258	21.0511
TIME	0.1568	0.2613	72	0.60	0.5503	0.05	-0.3640	0.6776

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.1807	-0.3578
2	TIME	-0.3578	0.06826

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	0.36	0.5503

The current variable is PCTP00LS
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTP00LS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	121459	411.726742	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	5225.685718	653.210715	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	53955	182.896919	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	67488	137.730548	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	2.99	<.0001
YEAR	490	4.74	<.0001
TIME*ID_NUM	490	1.33	0.0029
Residual	.	.	.

The current variable is PCTP00LS
ALL REGIONS

Estimates

Cov Parm	Estimate
ID_NUM	336.68
YEAR	8.2808
TIME*ID_NUM	1.3164
Residual	137.73

Fit Statistics

-2 Res Log Likelihood	19293.8
AIC (smaller is better)	19301.8
AICC (smaller is better)	19301.8
BIC (smaller is better)	19322.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	28.9330	2.0611	8	14.04	<.0001	0.05	24.1801	33.6858
TIME	0.4702	0.2993	295	1.57	0.1173	0.05	-0.1189	1.0592

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	4.2480	-0.5288
2	TIME	-0.5288	0.08959

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	2.47	0.1173

The current variable is PCTSCP00L

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSCP00L
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	20432	346.298800	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	3657.554383	457.194298	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	9222.660614	156.316282	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	12034	133.712436	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	2.59	<.0001
YEAR	90	3.42	0.0018
TIME*ID_NUM	90	1.17	0.2493
Residual	.	.	.

The current variable is PCTSCP00L

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	274.76
YEAR	26.4067
TIME*ID_NUM	0.6989

Fit Statistics

-2 Res Log Likelihood	3895.7
AIC (smaller is better)	3903.7
AICC (smaller is better)	3903.8
BIC (smaller is better)	3918.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	23.2799	3.7718	8	6.17	0.0003	0.05	14.5821	31.9777
TIME	0.3661	0.5485	59	0.67	0.5070	0.05	-0.7314	1.4637

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	14.2264	-1.7668
2	TIME	-1.7668	0.3009

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	0.45	0.5070

The current variable is PCTSCP00L

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSCP00L
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2

Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	14036	286.455867	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	1357.878469	169.734809	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	7990.724199	163.076004	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	8261.975871	100.755803	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	2.84	<.0001
YEAR	82	1.68	0.1145
TIME*ID_NUM	82	1.62	0.0268
Residual	.	.	.

The current variable is PCTSCP00L

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	239.67
YEAR	6.1315
TIME*ID_NUM	2.0308
Residual	100.76

Fit Statistics

-2 Res Log Likelihood	3714.8
AIC (smaller is better)	3722.8

AICC (smaller is better) 3722.9
BIC (smaller is better) 3737.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	26.4784	2.3967	8	11.05	<.0001	0.05	20.9516	32.0053
TIME	0.4484	0.3538	49	1.27	0.2110	0.05	-0.2625	1.1593

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	5.7443	-0.6863
2	TIME	-0.6863	0.1251

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	1.61	0.2110

The current variable is PCTSCP00L

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSCP00L
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	21862	383.542958	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	4587.136598	573.392075	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	10616	186.243913	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	13903	173.786882	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	2.21	0.0006
YEAR	80	3.30	0.0026
TIME*ID_NUM	80	1.07	0.3838
Residual	.	.	.

The current variable is PCTSCP00L

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	291.10
YEAR	36.3277
TIME*ID_NUM	0.4340
Residual	173.79

Fit Statistics

-2 Res Log Likelihood	3595.6
AIC (smaller is better)	3603.6
AICC (smaller is better)	3603.7
BIC (smaller is better)	3617.8

Solution for Fixed Effects

Standard

Effect	Estimate	Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	29.5480	4.4207	8	6.68	0.0002	0.05	19.3539	39.7421
TIME	0.7208	0.6383	57	1.13	0.2635	0.05	-0.5573	1.9989

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	19.5423	-2.4272
2	TIME	-2.4272	0.4074

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	1.28	0.2635

The current variable is PCTSCP00L

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSCP00L
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	9378.293199	173.672096	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	1464.199517	183.024940	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	4810.124826	89.076386	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	6435.309733	80.441372	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	2.16	0.0009
YEAR	80	2.28	0.0301
TIME*ID_NUM	80	1.11	0.3353
Residual	.	.	.

The current variable is PCTSCP00L

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	125.12
YEAR	9.3258
TIME*ID_NUM	0.2982
Residual	80.4414

Fit Statistics

-2 Res Log Likelihood	3698.0
AIC (smaller is better)	3706.0
AICC (smaller is better)	3706.1
BIC (smaller is better)	3720.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	21.2332	2.4266	8	8.75	<.0001	0.05	15.6376	26.8289
TIME	0.3958	0.3466	54	1.14	0.2585	0.05	-0.2991	1.0908

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	5.8883	-0.7187
2	TIME	-0.7187	0.1202

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	1.30	0.2585

The current variable is PCTSCP00L

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSCP00L
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	12447	172.876265	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	629.744433	78.718054	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	4787.478758	66.492761	Var(Residual) + 42.788	MS(Residual)

Residual 126 8754.018543 69.476338 Var(TIME*ID_NUM)
Var(Residual) .

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	2.49	<.0001
YEAR	126	1.13	0.3458
TIME*ID_NUM	126	0.96	0.5754
Residual	.	.	.

The current variable is PCTSCP00L 156

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	113.19
YEAR	0.5517
TIME*ID_NUM	-0.06973
Residual	69.4763

Fit Statistics

-2 Res Log Likelihood	3621.4
AIC (smaller is better)	3629.4
AICC (smaller is better)	3629.4
BIC (smaller is better)	3643.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	16.3235	1.2384	8	13.18	<.0001	0.05	13.4678	19.1791
TIME	-0.05097	0.1497	72	-0.34	0.7344	0.05	-0.3493	0.2474

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.5335	-0.1359
2	TIME	-0.1359	0.02240

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	0.12	0.7344

The current variable is PCTSCP00L
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSCP00L
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	87381	296.205959	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	4902.808241	612.851030	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	40540	137.423607	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	56182	114.657304	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	490	0.00	.

ID_NUM	490	2.58	<.0001
YEAR	490	5.35	<.0001
TIME*ID_NUM	490	1.20	0.0394
Residual	.	.	.

The current variable is PCTSCP00L
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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	223.08
YEAR	8.0031
TIME*ID_NUM	0.6636
Residual	114.66

Fit Statistics

-2 Res Log Likelihood	18687.6
AIC (smaller is better)	18695.6
AICC (smaller is better)	18695.6
BIC (smaller is better)	18716.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	23.5587	1.9791	8	11.90	<.0001	0.05	18.9950	28.1224
TIME	0.3632	0.2882	295	1.26	0.2086	0.05	-0.2040	0.9304

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.9167	-0.4936
2	TIME	-0.4936	0.08305

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	1.59	0.2086

The current variable is PCTSWP00L

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Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSWPOOL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	34937	592.152118	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	1110.420950	138.802619	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	21932	371.724281	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	13895	154.390240	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	3.84	<.0001
YEAR	90	0.90	0.5209
TIME*ID_NUM	90	2.41	<.0001
Residual	.	.	.

The current variable is PCTSWPOOL

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	565.79
YEAR	-1.2725
TIME*ID_NUM	6.7200
Residual	154.39

Fit Statistics

-2 Res Log Likelihood	4007.4
AIC (smaller is better)	4015.4
AICC (smaller is better)	4015.5
BIC (smaller is better)	4030.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	8.8330	2.3219	8	3.80	0.0052	0.05	3.4786	14.1874
TIME	0.09706	0.3630	59	0.27	0.7901	0.05	-0.6292	0.8233

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	5.3914	-0.5691
2	TIME	-0.5691	0.1317

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	0.07	0.7901

The current variable is PCTSWPOOL

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSWPOOL
Covariance Structure	Variance Components

Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	4014.648980	81.931612	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	793.762972	99.220371	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	13569	276.915332	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	5183.938127	63.218758	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	1.30	0.1486
YEAR	82	1.57	0.1468
TIME*ID_NUM	82	4.38	<.0001
Residual	.	.	.

The current variable is PCTSWPOOL

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	24.1516
YEAR	3.2001
TIME*ID_NUM	6.9636
Residual	63.2188

Fit Statistics

-2 Res Log Likelihood	3623.8
AIC (smaller is better)	3631.8
AICC (smaller is better)	3631.9
BIC (smaller is better)	3646.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	4.7700	1.6238	8	2.94	0.0188	0.05	1.0255	8.5145
TIME	0.6555	0.3144	49	2.09	0.0423	0.05	0.02377	1.2873

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.6367	-0.3832
2	TIME	-0.3832	0.09884

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	4.35	0.0423

The current variable is PCTSWPOOL

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSWPOOL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	16238	284.884326	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	195.445013	24.430627	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	8266.035514	145.018167	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	4176.457904	52.205724	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	5.46	<.0001
YEAR	80	0.47	0.8752
TIME*ID_NUM	80	2.78	<.0001
Residual	.	.	.

The current variable is PCTSWPOOL

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	322.91
YEAR	-2.5250
TIME*ID_NUM	3.2335
Residual	52.2057

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	58.5584	0.9617	8	60.89	<.0001	0.05	56.3408	60.7759
TIME	-7.7310	0.1149	57	-67.31	<.0001	0.05	-7.9610	-7.5010

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.9248	0.03275
2	TIME	0.03275	0.01319

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	4530.40	<.0001

The current variable is PCTSWPOOL

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSWPOOL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	6940.667250	128.530875	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	128.653806	16.081726	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	2524.453016	46.749130	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	2231.389339	27.892367	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	4.61	<.0001
YEAR	80	0.58	0.7942
TIME*ID_NUM	80	1.68	0.0176
Residual	.	.	.

The current variable is PCTSWPOOL

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	135.06
YEAR	-1.0737
TIME*ID_NUM	0.6513
Residual	27.8924

Fit Statistics

-2 Res Log Likelihood	3128.7
AIC (smaller is better)	3136.7
AICC (smaller is better)	3136.8
BIC (smaller is better)	3151.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	4.0091	0.9068	8	4.42	0.0022	0.05	1.9181	6.1001
TIME	-0.1700	0.1076	54	-1.58	0.1199	0.05	-0.3857	0.04567

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.8222	-0.05558
2	TIME	-0.05558	0.01157

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	2.50	0.1199

The current variable is PCTSWPOOL

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSWPOOL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	974.404848	13.533401	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	217.518310	27.189789	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	4375.623742	60.772552	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	2459.932993	19.523278	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	0.69	0.9552
YEAR	126	1.39	0.2059
TIME*ID_NUM	126	3.11	<.0001
Residual	.	.	.

The current variable is PCTSWPOOL

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-6.5570
YEAR	0.4577
TIME*ID_NUM	0.9640
Residual	19.5233

Fit Statistics

-2 Res Log Likelihood	2993.1
AIC (smaller is better)	3001.1
AICC (smaller is better)	3001.1
BIC (smaller is better)	3015.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	1.3160	0.5154	8	2.55	0.0340	0.05	0.1274	2.5046
TIME	0.09851	0.1125	72	0.88	0.3840	0.05	-0.1257	0.3227

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2657	-0.04101
2	TIME	-0.04101	0.01265

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	0.77	0.3840

The current variable is PCTSWPOOL
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSWPOOL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	69475	235.507108	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	372.072023	46.509003	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)

TIME*ID_NUM	295	53174	180.249286	Var(Residual) + 34.31	MS(Residual)
				Var(TIME*ID_NUM)	
Residual	490	30021	61.266467	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	3.84	<.0001
YEAR	490	0.76	0.6391
TIME*ID_NUM	490	2.94	<.0001
Residual	.	.	.

The current variable is PCTSWPOOL 170
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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	214.10
YEAR	-0.2371
TIME*ID_NUM	3.4679
Residual	61.2665

Fit Statistics

-2 Res Log Likelihood	17656.5
AIC (smaller is better)	17664.5
AICC (smaller is better)	17664.5
BIC (smaller is better)	17685.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	4.9544	0.6321	8	7.84	<.0001	0.05	3.4966	6.4121
TIME	0.1914	0.1005	295	1.90	0.0578	0.05	-0.00637	0.3892

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.3996	-0.04012
2	TIME	-0.04012	0.01010

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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TIME	1	295	3.63	0.0578
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The current variable is SCRPOOLD

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SCRPOOLD
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	427
Number of Observations Not Used	21

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	56	2.834029	0.050608	Var(Residual) + 0.7269 Var(ID_NUM)	MS(Residual)
YEAR	8	0.455649	0.056956	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	56	1.390820	0.024836	Var(Residual) + 30.428 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	1.108803	0.013522	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
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TIME	82	0.00	.
ID_NUM	82	3.74	<.0001
YEAR	82	4.21	0.0003
TIME*ID_NUM	82	1.84	0.0060
Residual	.	.	.

The current variable is SCRPOOLD

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.05102
YEAR	0.003861
TIME*ID_NUM	0.000372
Residual	0.01352

Fit Statistics

-2 Res Log Likelihood	85.2
AIC (smaller is better)	93.2
AICC (smaller is better)	93.3
BIC (smaller is better)	107.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.6403	0.04641	8	13.80	<.0001	0.05	0.5333	0.7474
TIME	0.002692	0.006832	56	0.39	0.6951	0.05	-0.01100	0.01638

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.002154	-0.00027
2	TIME	-0.00027	0.000047

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	56	0.16	0.6951

The current variable is SCRPOOLD

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SCRPOOLD
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	424
Number of Observations Not Used	4

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	5.786153	0.118085	Var(Residual) + 0.7747 Var(ID_NUM)	MS(Residual)
YEAR	8	0.631473	0.078934	Var(Residual) + 11.125 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	0.789067	0.016103	Var(Residual) + 30.62 Var(TIME*ID_NUM)	MS(Residual)
Residual	81	5.015964	0.061925	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	81	0.00	.
ID_NUM	81	1.91	0.0050
YEAR	81	1.27	0.2683
TIME*ID_NUM	81	0.26	1.0000
Residual	.	.	.

The current variable is SCRPOOLD

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.07249
YEAR	0.001529
TIME*ID_NUM	-0.00150
Residual	0.06193

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.5558	0.04716	8	11.79	<.0001	0.05	0.4471	0.6646
TIME	0.006121	0.007098	49	0.86	0.3927	0.05	-0.00814	0.02039

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.002224	-0.00030
2	TIME	-0.00030	0.000050

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	0.74	0.3927

The current variable is SCRPOOLD

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SCRPOOLD
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	391
Number of Observations Not Used	11

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	55	7.959155	0.144712	Var(Residual) + 0.7038 Var(ID_NUM)	MS(Residual)
YEAR	8	2.639003	0.329875	Var(Residual) + 10.5 Var(YEAR)	MS(Residual)
TIME*ID_NUM	55	2.500298	0.045460	Var(Residual) + 28.596 Var(TIME*ID_NUM)	MS(Residual)
Residual	76	2.435768	0.032050	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	76	0.00	.
ID_NUM	76	4.52	<.0001
YEAR	76	10.29	<.0001
TIME*ID_NUM	76	1.42	0.0787
Residual	.	.	.

The current variable is SCRPOOLD

Cov Parm	Estimate
ID_NUM	0.1601
YEAR	0.02836
TIME*ID_NUM	0.000469
Residual	0.03205

Fit Statistics

-2 Res Log Likelihood	247.1
AIC (smaller is better)	255.1
AICC (smaller is better)	255.2
BIC (smaller is better)	269.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.5473	0.1159	8	4.72	0.0015	0.05	0.2800	0.8145
TIME	0.01031	0.01682	55	0.61	0.5425	0.05	-0.02341	0.04403

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.01343	-0.00168
2	TIME	-0.00168	0.000283

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	55	0.38	0.5425

The current variable is SCRPOOLD

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SCRPOOLD
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	402
Number of Observations Not Used	19

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	5.128781	0.094977	Var(Residual) + 0.7267 Var(ID_NUM)	MS(Residual)
YEAR	8	0.427112	0.053389	Var(Residual) + 10.5 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	1.640555	0.030381	Var(Residual) + 28.251 Var(TIME*ID_NUM)	MS(Residual)
Residual	76	1.690134	0.022239	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	76	0.00	.
ID_NUM	76	4.27	<.0001
YEAR	76	2.40	0.0229
TIME*ID_NUM	76	1.37	0.1043
Residual	.	.	.

The current variable is SCRPOOLD

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.1001
YEAR	0.002967
TIME*ID_NUM	0.000288
Residual	0.02224

Fit Statistics

-2 Res Log Likelihood	106.1
AIC (smaller is better)	114.1
AICC (smaller is better)	114.2
BIC (smaller is better)	128.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.5725	0.04758	8	12.03	<.0001	0.05	0.4628	0.6822
TIME	-0.00461	0.006584	54	-0.70	0.4868	0.05	-0.01781	0.008590

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.002264	-0.00025
2	TIME	-0.00025	0.000043

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	0.49	0.4868

The current variable is SCRPOOLD

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SCRPOOLD
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507

Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	417
Number of Observations Not Used	38

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	63	7.141761	0.113361	Var(Residual) + 0.9153 Var(ID_NUM)	MS(Residual)
YEAR	8	0.390783	0.048848	Var(Residual) + 15.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	63	0.660529	0.010485	Var(Residual) + 42.218 Var(TIME*ID_NUM)	MS(Residual)
Residual	119	1.636960	0.013756	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	119	0.00	.
ID_NUM	119	8.24	<.0001
YEAR	119	3.55	0.0010
TIME*ID_NUM	119	0.76	0.8825
Residual	.	.	.

The current variable is SCRPOOLD

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.1088
YEAR	0.002211
TIME*ID_NUM	-0.00008
Residual	0.01376

Fit Statistics

-2 Res Log Likelihood	-28.4
AIC (smaller is better)	-20.4
AICC (smaller is better)	-20.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.6319	0.03951	8	15.99	<.0001	0.05	0.5408	0.7230
TIME	-0.00521	0.004790	63	-1.09	0.2810	0.05	-0.01478	0.004363

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.001561	-0.00014
2	TIME	-0.00014	0.000023

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	63	1.18	0.2810

The current variable is SCRPOOLD
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SCRPOOLD
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2061
Number of Observations Not Used	93

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	281	30.876593	0.109881	Var(Residual) + 0.796 Var(ID_NUM)	MS(Residual)
YEAR	8	1.116549	0.139569	Var(Residual) + 59.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	281	7.512113	0.026733	Var(Residual) + 33.426 Var(TIME*ID_NUM)	MS(Residual)
Residual	466	15.315100	0.032865	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	466	0.00	.
ID_NUM	466	3.34	<.0001
YEAR	466	4.25	<.0001
TIME*ID_NUM	466	0.81	0.9716
Residual	.	.	.

The current variable is SCRPOOLD

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ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.09675
YEAR	0.001801
TIME*ID_NUM	-0.00018
Residual	0.03287

Fit Statistics

-2 Res Log Likelihood	639.3
AIC (smaller is better)	647.3
AICC (smaller is better)	647.4
BIC (smaller is better)	668.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.6111	0.03030	8	20.17	<.0001	0.05	0.5412	0.6810
TIME	-0.00183	0.004264	281	-0.43	0.6686	0.05	-0.01022	0.006566

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000918	-0.00011
2	TIME	-0.00011	0.000018

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	281	0.18	0.6686

The current variable is RIFFLEDEP

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	RIFFLEDEP
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	394
Number of Observations Not Used	54

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	53	0.377394	0.007121	Var(Residual) + 0.7254 Var(ID_NUM)	MS(Residual)

YEAR	8	0.170641	0.021330	Var(Residual) + 10.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	53	0.244795	0.004619	Var(Residual) + 29.557 Var(TIME*ID_NUM)	MS(Residual)
Residual	74	0.273620	0.003698	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	74	0.00	.
ID_NUM	74	1.93	0.0046
YEAR	74	5.77	<.0001
TIME*ID_NUM	74	1.25	0.1869
Residual	.	.	.
The current variable is RIFFLEDEP			

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.004719
YEAR	0.001720
TIME*ID_NUM	0.000031
Residual	0.003698

Fit Statistics

-2 Res Log Likelihood	-797.1
AIC (smaller is better)	-789.1
AICC (smaller is better)	-789.0
BIC (smaller is better)	-774.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.1998	0.02838	8	7.04	0.0001	0.05	0.1343	0.2652
TIME	-0.00773	0.004193	53	-1.84	0.0708	0.05	-0.01614	0.000680

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000806	-0.00010
2	TIME	-0.00010	0.000018

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	53	3.40	0.0708

The current variable is RIFFLEDEP

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	RIFFLEDEP
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	400
Number of Observations Not Used	28

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	44	0.207943	0.004726	Var(Residual) + 0.7923 Var(ID_NUM)	MS(Residual)
YEAR	8	0.018539	0.002317	Var(Residual) + 10.625 Var(YEAR)	MS(Residual)
TIME*ID_NUM	44	0.093510	0.002125	Var(Residual) + 30.585 Var(TIME*ID_NUM)	MS(Residual)
Residual	77	0.173543	0.002254	Var(Residual)	.

Type 3 Analysis of Variance

		Error		
Source	DF	F Value	Pr > F	
TIME	77	0.00	.	
ID_NUM	77	2.10	0.0022	
YEAR	77	1.03	0.4224	
TIME*ID_NUM	77	0.94	0.5769	
Residual	.	.	.	
The current variable is RIFFLEDEP				186

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.003120
YEAR	5.988E-6
TIME*ID_NUM	-4.2E-6
Residual	0.002254

Fit Statistics

-2 Res Log Likelihood	-891.5
AIC (smaller is better)	-883.5
AICC (smaller is better)	-883.4
BIC (smaller is better)	-868.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.1315	0.007139	8	18.42	<.0001	0.05	0.1150	0.1479
TIME	0.000834	0.000932	44	0.90	0.3755	0.05	-0.00104	0.002713

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000051	-5.31E-6
2	TIME	-5.31E-6	8.684E-7

Type 3 Tests of Fixed Effects

Effect	Num	Den	F Value	Pr > F
	DF	DF		

----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	RIFFLEDEP
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	361
Number of Observations Not Used	41

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	0.254886	0.005202	Var(Residual) + 0.6886 Var(ID_NUM)	MS(Residual)
YEAR	8	0.152403	0.019050	Var(Residual) + 9.375 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	0.098930	0.002019	Var(Residual) + 27.29 Var(TIME*ID_NUM)	MS(Residual)
Residual	67	0.097200	0.001451	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	67	0.00	.
ID_NUM	67	3.59	<.0001
YEAR	67	13.13	<.0001
TIME*ID_NUM	67	1.39	0.1039

----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.005448
YEAR	0.001877
TIME*ID_NUM	0.000021
Residual	0.001451

Fit Statistics

-2 Res Log Likelihood	-873.1
AIC (smaller is better)	-865.1
AICC (smaller is better)	-865.0
BIC (smaller is better)	-850.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.1163	0.02919	8	3.98	0.0040	0.05	0.04901	0.1837
TIME	-0.00010	0.004277	49	-0.02	0.9807	0.05	-0.00870	0.008491

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000852	-0.00011
2	TIME	-0.00011	0.000018

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	0.00	0.9807

The current variable is RIFFLEDEP

----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	RIFFLEDEP
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	362
Number of Observations Not Used	59

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	53	0.219169	0.004135	Var(Residual) + 0.611 Var(ID_NUM)	MS(Residual)
YEAR	8	0.039085	0.004886	Var(Residual) + 8.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	53	0.129529	0.002444	Var(Residual) + 22.556 Var(TIME*ID_NUM)	MS(Residual)
Residual	58	0.141970	0.002448	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	58	0.00	.
ID_NUM	58	1.69	0.0260
YEAR	58	2.00	0.0630
TIME*ID_NUM	58	1.00	0.5007
Residual	.	.	.

The current variable is RIFFLEDEP

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.002762
YEAR	0.000295
TIME*ID_NUM	-1.69E-7
Residual	0.002448

Fit Statistics

-2 Res Log Likelihood	-685.5
AIC (smaller is better)	-677.5
AICC (smaller is better)	-677.4
BIC (smaller is better)	-663.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.1432	0.01357	8	10.55	<.0001	0.05	0.1119	0.1745
TIME	-0.00288	0.001943	53	-1.48	0.1442	0.05	-0.00678	0.001017

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000184	-0.00002
2	TIME	-0.00002	3.774E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	53	2.20	0.1442

The current variable is RIFFLEDEP

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	RIFFLEDEP
Covariance Structure	Variance Components
Estimation Method	Type 3

Residual Variance Method Factor
Fixed Effects SE Method Model-Based
Degrees of Freedom Method Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	365
Number of Observations Not Used	90

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	58	0.363165	0.006261	Var(Residual) + 0.8002 Var(ID_NUM)	MS(Residual)
YEAR	8	0.056345	0.007043	Var(Residual) + 12.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	58	0.148236	0.002556	Var(Residual) + 37.858 Var(TIME*ID_NUM)	MS(Residual)
Residual	94	0.248014	0.002638	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	94	0.00	.
ID_NUM	94	2.37	<.0001
YEAR	94	2.67	0.0109
TIME*ID_NUM	94	0.97	0.5460
Residual	.	.	.

The current variable is RIFFLEDEP

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	0.004528
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YEAR	0.000345
TIME*ID_NUM	-2.18E-6
Residual	0.002638

Fit Statistics

-2 Res Log Likelihood	-748.8
AIC (smaller is better)	-740.8
AICC (smaller is better)	-740.7
BIC (smaller is better)	-726.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.1637	0.01450	8	11.29	<.0001	0.05	0.1303	0.1971
TIME	-0.00143	0.002020	58	-0.71	0.4826	0.05	-0.00547	0.002616

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000210	-0.00002
2	TIME	-0.00002	4.081E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	58	0.50	0.4826

The current variable is RIFFLEDEP
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	RIFFLEDEP
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2

Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	1882
Number of Observations Not Used	272

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	261	1.724416	0.006607	Var(Residual) + 0.7482 Var(ID_NUM)	MS(Residual)
YEAR	8	0.213190	0.026649	Var(Residual) + 51.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	261	0.836696	0.003206	Var(Residual) + 30.937 Var(TIME*ID_NUM)	MS(Residual)
Residual	402	1.158169	0.002881	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	402	0.00	.
ID_NUM	402	2.29	<.0001
YEAR	402	9.25	<.0001
TIME*ID_NUM	402	1.11	0.1684
Residual	.	.	.

The current variable is RIFFLEDEP
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.004980
YEAR	0.000464
TIME*ID_NUM	0.000010
Residual	0.002881

Fit Statistics

-2 Res Log Likelihood	-3999.7
AIC (smaller is better)	-3991.7
AICC (smaller is better)	-3991.6
BIC (smaller is better)	-3970.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.1524	0.01447	8	10.53	<.0001	0.05	0.1191	0.1858
TIME	-0.00256	0.002122	261	-1.21	0.2291	0.05	-0.00673	0.001620

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000209	-0.00003
2	TIME	-0.00003	4.501E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	261	1.45	0.2291

The current variable is LRGBLDR

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LRGBLDR
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	445

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	58	4468638	77045	Var(Residual) + 0.7779 Var(ID_NUM)	MS(Residual)
YEAR	8	2066058	258257	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	58	8030711	138461	Var(Residual) + 32.821 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	5266299	58514	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	1.32	0.1193
YEAR	90	4.41	0.0002
TIME*ID_NUM	90	2.37	0.0001
Residual	.	.	.

The current variable is LRGBLDR

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	23821
YEAR	16306
TIME*ID_NUM	2435.79
Residual	58514

Fit Statistics

-2 Res Log Likelihood	6481.3
AIC (smaller is better)	6489.3
AICC (smaller is better)	6489.4
BIC (smaller is better)	6504.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
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Intercept	134.84	88.5736	8	1.52	0.1664	0.05	-69.4157	339.09
TIME	19.9363	13.7274	58	1.45	0.1518	0.05	-7.5421	47.4147

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	7845.29	-1043.00
2	TIME	-1043.00	188.44

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	58	2.11	0.1518

The current variable is LRGBLDR197

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LRGBLDR
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	425
Number of Observations Not Used	3

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
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TIME	0	0	0	0		MS(Residual)
ID_NUM	49	2819299	57537	Var(Residual) + 0.7701	Var(ID_NUM)	MS(Residual)
YEAR	8	33082	4135.189054	Var(Residual) + 11.125	Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	736562	15032	Var(Residual) + 30.412		MS(Residual)
				Var(TIME*ID_NUM)		
Residual	81	911992	11259	Var(Residual)		.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	81	0.00	.
ID_NUM	81	5.11	<.0001
YEAR	81	0.37	0.9349
TIME*ID_NUM	81	1.34	0.1236
Residual	.	.	.

The current variable is LRGBLDR
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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	60089
YEAR	-640.36
TIME*ID_NUM	124.05
Residual	11259

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	126.98	13.0655	8	9.72	<.0001	0.05	96.8535	157.11
TIME	10.1339	0.5335	49	18.99	<.0001	0.05	9.0617	11.2060

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	170.71	6.9613
2	TIME	6.9613	0.2846

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	360.79	<.0001

The current variable is LRGBLDR

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LRGBLDR
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	397
Number of Observations Not Used	5

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	4105846	72032	Var(Residual) + 0.7126 Var(ID_NUM)	MS(Residual)
YEAR	8	431212	53901	Var(Residual) + 10.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	9884717	173416	Var(Residual) + 28.231 Var(TIME*ID_NUM)	MS(Residual)
Residual	78	2282596	29264	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	78	0.00	.
ID_NUM	78	2.46	0.0001
YEAR	78	1.84	0.0817
TIME*ID_NUM	78	5.93	<.0001
Residual	.	.	.

The current variable is LRGBLDR

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	60020
YEAR	2291.85
TIME*ID_NUM	5106.07
Residual	29264

Fit Statistics

-2 Res Log Likelihood	5864.8
AIC (smaller is better)	5872.8
AICC (smaller is better)	5872.9
BIC (smaller is better)	5887.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	103.27	46.5121	8	2.22	0.0572	0.05	-3.9871	210.53
TIME	29.4351	8.7194	57	3.38	0.0013	0.05	11.9749	46.8953

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2163.37	-293.14
2	TIME	-293.14	76.0271

Type 3 Tests of Fixed Effects

	Num	Den		
Effect	DF	DF	F Value	Pr > F
TIME	1	57	11.40	0.0013

The current variable is LRGBLDR

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LRGBLDR
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	413
Number of Observations Not Used	8

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	3619502	67028	Var(Residual) + 0.7396 Var(ID_NUM)	MS(Residual)
YEAR	8	243329	30416	Var(Residual) + 10.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	2112783	39126	Var(Residual) + 28.439 Var(TIME*ID_NUM)	MS(Residual)
Residual	78	1342043	17206	Var(Residual)	.

Type 3 Analysis of Variance

	Error			
Source	DF	F Value	Pr > F	
TIME	78	0.00	.	

ID_NUM	78	3.90	<.0001
YEAR	78	1.77	0.0962
TIME*ID_NUM	78	2.27	0.0004
Residual	.	.	.

The current variable is LRGLDR

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	67360
YEAR	1228.87
TIME*ID_NUM	770.77
Residual	17206

Fit Statistics

-2 Res Log Likelihood	5785.8
AIC (smaller is better)	5793.8
AICC (smaller is better)	5793.9
BIC (smaller is better)	5808.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	250.95	36.8135	8	6.82	0.0001	0.05	166.06	335.84
TIME	-0.8447	5.4127	54	-0.16	0.8766	0.05	-11.6966	10.0071

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1355.23	-156.37
2	TIME	-156.37	29.2975

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	0.02	0.8766

The current variable is LRGLDR

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LRGBLDR
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	453
Number of Observations Not Used	2

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	71	23299347	328160	Var(Residual) + 0.9203 Var(ID_NUM)	MS(Residual)
YEAR	8	37359169	4669896	Var(Residual) + 16.625 Var(YEAR)	MS(Residual)
TIME*ID_NUM	71	79071083	1113677	Var(Residual) + 42.987 Var(TIME*ID_NUM)	MS(Residual)
Residual	125	393381720	3147054	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	125	0.00	.
ID_NUM	125	0.10	1.0000
YEAR	125	1.48	0.1695
TIME*ID_NUM	125	0.35	1.0000
Residual	.	.	.

The current variable is LRGBLDR

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	-3063144
YEAR	91600
TIME*ID_NUM	-47302
Residual	3147054

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	421.95	304.06	8	1.39	0.2026	0.05	-279.20	1123.11
TIME	0	.	.	.	.	.	.	.

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	92451	
2	TIME		

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	71	.	.

The current variable is LRGBLDR
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LRGBLDR
Covariance Structure	Variance Components

Estimation Method Type 3
Residual Variance Method Factor
Fixed Effects SE Method Model-Based
Degrees of Freedom Method Containment

Dimensions

Covariance Parameters 4
Columns in X 2
Columns in Z 2731
Subjects 1
Max Obs Per Subject 2154

Number of Observations

Number of Observations Read 2154
Number of Observations Used 2133
Number of Observations Not Used 21

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	293	48087301	164120	Var(Residual) + 0.8128 Var(ID_NUM)	MS(Residual)
YEAR	8	12209867	1526233	Var(Residual) + 61.5 Var(YEAR)	MS(Residual)
TIME*ID_NUM	293	98954262	337728	Var(Residual) + 34.198 Var(TIME*ID_NUM)	MS(Residual)
Residual	484	431107633	890718	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	484	0.00	.
ID_NUM	484	0.18	1.0000
YEAR	484	1.71	0.0928
TIME*ID_NUM	484	0.38	1.0000
Residual	.	.	.

The current variable is LRGBLDR 206
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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-893950
YEAR	10334

TIME*ID_NUM -16170
Residual 890718

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0	.	.	.	.	.	.	.
TIME	0	.	.	.	.	.	.	.

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept		
2	TIME		

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	293	.	.

The current variable is PCTSNDOR

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSNDOR
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters

Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	34755	589.061482	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	3570.603276	446.325409	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	3454.151483	58.544940	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	5201.782464	57.797583	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	10.19	<.0001
YEAR	90	7.72	<.0001
TIME*ID_NUM	90	1.01	0.4719
Residual	.	.	.

The current variable is PCTSNDOR

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	686.63
YEAR	31.7166
TIME*ID_NUM	0.02311
Residual	57.7976

Fit Statistics

-2 Res Log Likelihood	3857.4
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AIC (smaller is better)	3865.4
AICC (smaller is better)	3865.5
BIC (smaller is better)	3880.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	35.7471	4.0911	8	8.74	<.0001	0.05	26.3130	45.1813
TIME	-0.9730	0.5634	59	-1.73	0.0894	0.05	-2.1004	0.1544

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	16.7373	-1.8942
2	TIME	-1.8942	0.3175

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	2.98	0.0894

The current variable is PCTSNDOR

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSNDOR
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	16368	334.040554	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	3266.987019	408.373377	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	4194.731684	85.606769	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	6628.460649	80.834886	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	4.13	<.0001
YEAR	82	5.05	<.0001
TIME*ID_NUM	82	1.06	0.4029
Residual	.	.	.

The current variable is PCTSNDOR

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	326.80
YEAR	29.1145
TIME*ID_NUM	0.1555
Residual	80.8349

Fit Statistics

-2 Res Log Likelihood	3677.4
AIC (smaller is better)	3685.4
AICC (smaller is better)	3685.5
BIC (smaller is better)	3700.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	30.8262	3.8774	8	7.95	<.0001	0.05	21.8849	39.7675
TIME	0.05931	0.5546	49	0.11	0.9153	0.05	-1.0552	1.1738

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	15.0342	-1.8362
2	TIME	-1.8362	0.3076

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	0.01	0.9153

The current variable is PCTSNDOR

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSNDOR
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	34859	611.552806	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	1243.285578	155.410697	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	4653.564072	81.641475	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	6566.857895	82.085724	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	7.45	<.0001
YEAR	80	1.89	0.0724
TIME*ID_NUM	80	0.99	0.5033
Residual	.	.	.

The current variable is PCTSNDOR

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	734.79
YEAR	6.6659
TIME*ID_NUM	-0.01548
Residual	82.0857

Fit Statistics

-2 Res Log Likelihood	3542.6
AIC (smaller is better)	3550.6
AICC (smaller is better)	3550.7
BIC (smaller is better)	3564.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	28.2824	2.7439	8	10.31	<.0001	0.05	21.9549	34.6099
TIME	1.1358	0.3242	57	3.50	0.0009	0.05	0.4867	1.7850

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	7.5291	-0.6303
2	TIME	-0.6303	0.1051

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	12.28	0.0009

The current variable is PCTSNDOR

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSNDOR
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	19613	363.209820	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	1011.672861	126.459108	Var(Residual) + 11 Var(YEAR)	MS(Residual)

TIME*ID_NUM	54	5916.601987	109.566703	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	6515.432834	81.442910	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	4.46	<.0001
YEAR	80	1.55	0.1525
TIME*ID_NUM	80	1.35	0.1128
Residual	.	.	.

The current variable is PCTSNDOR

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	378.14
YEAR	4.0924
TIME*ID_NUM	0.9713
Residual	81.4429

Fit Statistics

-2 Res Log Likelihood	3622.9
AIC (smaller is better)	3630.9
AICC (smaller is better)	3631.0
BIC (smaller is better)	3645.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	27.0056	2.3092	8	11.69	<.0001	0.05	21.6807	32.3306
TIME	-0.04824	0.3060	54	-0.16	0.8753	0.05	-0.6617	0.5652

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	5.3323	-0.5470
2	TIME	-0.5470	0.09361

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	0.02	0.8753

The current variable is PCTSNDOR

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSNDOR
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	24401	338.900249	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	1629.240168	203.655021	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	4389.178328	60.960810	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	8342.326074	66.208937	Var(Residual)	.

Type 3 Analysis of Variance

Error

Source	DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	5.12	<.0001
YEAR	126	3.08	0.0034
TIME*ID_NUM	126	0.92	0.6457
Residual	.	.	.

The current variable is PCTSNDOR

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	298.51
YEAR	8.2057
TIME*ID_NUM	-0.1227
Residual	66.2089

Fit Statistics

-2 Res Log Likelihood	3730.7
AIC (smaller is better)	3738.7
AICC (smaller is better)	3738.8
BIC (smaller is better)	3752.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	21.9570	2.3428	8	9.37	<.0001	0.05	16.5545	27.3596
TIME	0.2073	0.3038	72	0.68	0.4972	0.05	-0.3983	0.8128

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	5.4888	-0.5556
2	TIME	-0.5556	0.09227

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	0.47	0.4972

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSNDOR
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	146964	498.182472	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	1421.111607	177.638951	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	29962	101.567573	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	42556	86.848035	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	5.74	<.0001
YEAR	490	2.05	0.0397
TIME*ID_NUM	490	1.17	0.0644
Residual	.	.	.

The current variable is PCTSNDOR

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	505.44
YEAR	1.4585
TIME*ID_NUM	0.4290
Residual	86.8480

Fit Statistics

-2 Res Log Likelihood	18645.5
AIC (smaller is better)	18653.5
AICC (smaller is better)	18653.5
BIC (smaller is better)	18674.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	29.1596	1.1610	8	25.12	<.0001	0.05	26.4824	31.8369
TIME	0.02846	0.1498	295	0.19	0.8494	0.05	-0.2663	0.3232

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.3479	-0.1319
2	TIME	-0.1319	0.02243

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	0.04	0.8494

The current variable is PCTGRAVEL

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set ODFW2008.DATA
Dependent Variable PCTGRAVEL

Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	7939.237573	134.563349	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	1791.564611	223.945576	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	3937.597544	66.738941	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	5661.896677	62.909963	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	2.14	0.0006
YEAR	90	3.56	0.0013
TIME*ID_NUM	90	1.06	0.3953
Residual	.	.	.

The current variable is PCTGRAVEL

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15:55 Saturday, August 29, 2009

----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	92.6084
YEAR	13.1458
TIME*ID_NUM	0.1184
Residual	62.9100

Fit Statistics

-2 Res Log Likelihood	3511.5
AIC (smaller is better)	3519.5
AICC (smaller is better)	3519.6
BIC (smaller is better)	3534.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	24.0763	2.5973	8	9.27	<.0001	0.05	18.0870	30.0656
TIME	0.9575	0.3784	59	2.53	0.0141	0.05	0.2004	1.7147

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	6.7458	-0.8485
2	TIME	-0.8485	0.1432

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	6.40	0.0141

The current variable is PCTGRAVEL

221

15:55 Saturday, August 29, 2009

----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTGRAVEL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	15321	312.668460	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	2233.754275	279.219284	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	6366.487061	129.928307	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	7851.751361	95.753065	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	3.27	<.0001
YEAR	82	2.92	0.0065
TIME*ID_NUM	82	1.36	0.1102
Residual	.	.	.

The current variable is PCTGRAVEL

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	279.96
YEAR	16.3081
TIME*ID_NUM	1.1136
Residual	95.7531

Fit Statistics

-2 Res Log Likelihood	3531.1
AIC (smaller is better)	3539.1
AICC (smaller is better)	3539.2
BIC (smaller is better)	3553.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	33.5965	3.1628	8	10.62	<.0001	0.05	26.3031	40.8898
TIME	-0.2982	0.4568	49	-0.65	0.5170	0.05	-1.2162	0.6199

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	10.0031	-1.2153
2	TIME	-1.2153	0.2087

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	0.43	0.5170

The current variable is PCTGRAVEL

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTGRAVEL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	13525	237.286584	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	1756.415188	219.551898	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	4818.496274	84.535022	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	7461.611043	93.270138	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	2.54	<.0001
YEAR	80	2.35	0.0251
TIME*ID_NUM	80	0.91	0.6498
Residual	.	.	.

The current variable is PCTGRAVEL

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	199.87
YEAR	11.4802
TIME*ID_NUM	-0.3043
Residual	93.2701

Fit Statistics

-2 Res Log Likelihood	3279.5
AIC (smaller is better)	3287.5
AICC (smaller is better)	3287.6
BIC (smaller is better)	3301.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	31.1609	2.6808	8	11.62	<.0001	0.05	24.9791	37.3427
TIME	-0.4980	0.3727	57	-1.34	0.1868	0.05	-1.2444	0.2484

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	7.1864	-0.8425
2	TIME	-0.8425	0.1389

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	1.79	0.1868

The current variable is PCTGRAVEL

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTGRAVEL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	8146.599133	150.862947	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	1484.406319	185.550790	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	2826.467083	52.341983	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	3890.835311	48.635441	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	3.10	<.0001
YEAR	80	3.82	0.0008
TIME*ID_NUM	80	1.08	0.3781
Residual	.	.	.

The current variable is PCTGRAVEL

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	137.19
YEAR	12.4468
TIME*ID_NUM	0.1280
Residual	48.6354

Fit Statistics

-2 Res Log Likelihood	3264.1
AIC (smaller is better)	3272.1
AICC (smaller is better)	3272.2
BIC (smaller is better)	3286.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	26.7570	2.5997	8	10.29	<.0001	0.05	20.7621	32.7520

TIME 0.03563 0.3705 54 0.10 0.9237 0.05 -0.7071 0.7784

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	6.7585	-0.8253
2	TIME	-0.8253	0.1373

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	0.01	0.9237

The current variable is PCTGRAVEL

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTGRAVEL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
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TIME	0	0	0	0					MS(Residual)
ID_NUM	72	12516	173.831609	Var(Residual) + 0.9135	Var(ID_NUM)				MS(Residual)
YEAR	8	313.682123	39.210265	Var(Residual) + 16.75	Var(YEAR)				MS(Residual)
TIME*ID_NUM	72	4174.269612	57.975967	Var(Residual) + 42.788					MS(Residual)
				Var(TIME*ID_NUM)					
Residual	126	6468.130105	51.334366	Var(Residual)					.
Type 3 Analysis of Variance									
			Error						
Source			DF	F Value	Pr > F				
TIME			126	0.00	.				
ID_NUM			126	3.39	<.0001				
YEAR			126	0.76	0.6352				
TIME*ID_NUM			126	1.13	0.2733				
Residual			.	.	.				
The current variable is PCTGRAVEL									228
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----- GCG=5-SC -----									
The Mixed Procedure									
Covariance Parameter Estimates									
	Cov Parm	Estimate							
	ID_NUM	134.09							
	YEAR	-0.7238							
	TIME*ID_NUM	0.1552							
	Residual	51.3344							
Fit Statistics									
	-2 Res Log Likelihood	3429.9							
	AIC (smaller is better)	3437.9							
	AICC (smaller is better)	3438.0							
	BIC (smaller is better)	3452.0							
Solution for Fixed Effects									
Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper	
Intercept	26.9074	0.9736	8	27.64	<.0001	0.05	24.6623	29.1525	
TIME	-0.05833	0.09842	72	-0.59	0.5552	0.05	-0.2545	0.1379	
Covariance Matrix for Fixed Effects									
	Row	Effect	Col1	Col2					

1	Intercept	0.9479	-0.05302
2	TIME	-0.05302	0.009686

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	0.35	0.5552

The current variable is PCTGRAVEL
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTGRAVEL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	64680	219.253646	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	1694.032644	211.754080	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	26519	89.894011	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	37220	75.959213	Var(Residual)	.

Type 3 Analysis of Variance

		Error		
Source		DF	F Value	Pr > F
TIME		490	0.00	.
ID_NUM		490	2.89	<.0001
YEAR		490	2.79	0.0050
TIME*ID_NUM		490	1.18	0.0511
Residual		.	.	.

The current variable is PCTGRAVEL

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ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	176.08
YEAR	2.1814
TIME*ID_NUM	0.4061
Residual	75.9592

Fit Statistics

-2 Res Log Likelihood	17179.3
AIC (smaller is better)	17187.3
AICC (smaller is better)	17187.4
BIC (smaller is better)	17208.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	28.3051	1.1479	8	24.66	<.0001	0.05	25.6580	30.9523
TIME	0.06368	0.1636	295	0.39	0.6974	0.05	-0.2584	0.3857

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.3178	-0.1578
2	TIME	-0.1578	0.02677

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	0.15	0.6974

The current variable is PCTBEDROCK

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GCG=1-NC

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTBEDROCK
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	5081.563776	86.128200	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	41.122343	5.140293	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	997.952897	16.914456	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	1011.536442	11.239294	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	7.66	<.0001
YEAR	90	0.46	0.8828
TIME*ID_NUM	90	1.50	0.0397
Residual	.	.	.

The current variable is PCTBEDROCK

----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	96.7902
YEAR	-0.4979
TIME*ID_NUM	0.1755
Residual	11.2393

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	4.0961	0.5385	8	7.61	<.0001	0.05	2.8544	5.3378
TIME	0.6662	0.01441	59	46.24	<.0001	0.05	0.6374	0.6950

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2899	0.007725
2	TIME	0.007725	0.000208

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	2138.22	<.0001

The current variable is PCTBEDROCK

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTBEDROCK
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	12338	251.804197	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	197.362618	24.670327	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	1162.271346	23.719823	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	1418.535930	17.299219	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	14.56	<.0001
YEAR	82	1.43	0.1981
TIME*ID_NUM	82	1.37	0.1026
Residual	.	.	.

The current variable is PCTBEDROCK

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter

Estimates

Cov Parm	Estimate
ID_NUM	302.66
YEAR	0.6552
TIME*ID_NUM	0.2092
Residual	17.2992

Fit Statistics

-2 Res Log Likelihood	3206.3
AIC (smaller is better)	3214.3
AICC (smaller is better)	3214.4
BIC (smaller is better)	3228.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	9.9498	1.3806	8	7.21	<.0001	0.05	6.7661	13.1335
TIME	0.05032	0.1465	49	0.34	0.7328	0.05	-0.2442	0.3448

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.9061	-0.1235
2	TIME	-0.1235	0.02148

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	0.12	0.7328

The current variable is PCTBEDROCK

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTBEDROCK
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	10967	192.397047	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	106.053846	13.256731	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	1150.537448	20.184868	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	1683.364193	21.042052	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	9.14	<.0001
YEAR	80	0.63	0.7503
TIME*ID_NUM	80	0.96	0.5616
Residual	.	.	.

The current variable is PCTBEDROCK

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	237.81
YEAR	-0.7078
TIME*ID_NUM	-0.02986

Fit Statistics

-2 Res Log Likelihood	2966.8
AIC (smaller is better)	2974.8
AICC (smaller is better)	2974.9
BIC (smaller is better)	2988.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	10.3160	1.0001	8	10.31	<.0001	0.05	8.0097	12.6223
TIME	-0.06734	0.04332	57	-1.55	0.1256	0.05	-0.1541	0.01940

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.0003	-0.01162
2	TIME	-0.01162	0.001876

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	2.42	0.1256

The current variable is PCTBEDROCK

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTBEDROCK
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2

Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	11763	217.824147	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	235.349813	29.418727	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	3194.685215	59.160837	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	2348.053100	29.350664	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	7.42	<.0001
YEAR	80	1.00	0.4410
TIME*ID_NUM	80	2.02	0.0021
Residual	.	.	.

The current variable is PCTBEDROCK

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	252.94
YEAR	0.006188
TIME*ID_NUM	1.0296
Residual	29.3507

Fit Statistics

-2 Res Log Likelihood	3329.8
AIC (smaller is better)	3337.8

AICC (smaller is better) 3337.9
BIC (smaller is better) 3352.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	13.1771	1.4432	8	9.13	<.0001	0.05	9.8490	16.5052
TIME	0.1521	0.1800	54	0.85	0.4018	0.05	-0.2088	0.5130

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.0829	-0.1739
2	TIME	-0.1739	0.03240

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	0.71	0.4018

The current variable is PCTBEDROCK

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTBEDROCK
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	8018.338118	111.365807	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	361.842390	45.230299	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	1748.614808	24.286317	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	1524.626924	12.100214	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	9.20	<.0001
YEAR	126	3.74	0.0006
TIME*ID_NUM	126	2.01	0.0003
Residual	.	.	.

The current variable is PCTBEDROCK 240

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	108.66
YEAR	1.9779
TIME*ID_NUM	0.2848
Residual	12.1002

Fit Statistics

-2 Res Log Likelihood	3151.9
AIC (smaller is better)	3159.9
AICC (smaller is better)	3160.0
BIC (smaller is better)	3174.0

Solution for Fixed Effects

Standard

Effect	Estimate	Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	8.3043	1.2382	8	6.71	0.0002	0.05	5.4489	11.1597
TIME	0.08916	0.1604	72	0.56	0.5800	0.05	-0.2306	0.4089
Covariance Matrix for Fixed Effects								
	Row	Effect		Col1	Col2			
	1	Intercept		1.5333	-0.1462			
	2	TIME		-0.1462	0.02573			
Type 3 Tests of Fixed Effects								
	Effect	Num DF	Den DF	F Value	Pr > F			
	TIME	1	72	0.31	0.5800			
The current variable is PCTBEDROCK					241			
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Model Information								
Data Set		ODFW2008.DATA						
Dependent Variable		PCTBEDROCK						
Covariance Structure		Variance Components						
Estimation Method		Type 3						
Residual Variance Method		Factor						
Fixed Effects SE Method		Model-Based						
Degrees of Freedom Method		Containment						
Dimensions								
	Covariance Parameters		4					
	Columns in X		2					
	Columns in Z		2731					
	Subjects		1					
	Max Obs Per Subject		2154					
Number of Observations								
	Number of Observations Read		2154					
	Number of Observations Used		2154					
	Number of Observations Not Used		0					
Type 3 Analysis of Variance								
Source	DF	Sum of Squares	Mean Square	Expected Mean Square		Error Term		

TIME	0	0	0	0	MS(Residual)
ID_NUM	295	51763	175.467194	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	246.283828	30.785478	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	8619.854702	29.219846	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	8681.563772	17.717477	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	9.90	<.0001
YEAR	490	1.74	0.0874
TIME*ID_NUM	490	1.65	<.0001
Residual	.	.	.

The current variable is PCTBEDROCK

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The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	193.84
YEAR	0.2099
TIME*ID_NUM	0.3353
Residual	17.7175

Fit Statistics

-2 Res Log Likelihood	15897.6
AIC (smaller is better)	15905.6
AICC (smaller is better)	15905.7
BIC (smaller is better)	15926.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	9.9673	0.5783	8	17.24	<.0001	0.05	8.6337	11.3008
TIME	0.04527	0.06922	295	0.65	0.5136	0.05	-0.09095	0.1815

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.3344	-0.02695

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	0.43	0.5136

The current variable is POOL1P_KM

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	POOL1P_KM
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	965.611793	16.366302	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	28.572406	3.571551	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	516.823276	8.759717	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	312.890286	3.476559	Var(Residual)	.

Type 3 Analysis of Variance

		Error		
Source	DF	F Value	Pr > F	
TIME	90	0.00	.	
ID_NUM	90	4.71	<.0001	
YEAR	90	1.03	0.4216	
TIME*ID_NUM	90	2.52	<.0001	
Residual	.	.	.	
The current variable is POOL1P_KM				

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	16.6593
YEAR	0.007754
TIME*ID_NUM	0.1634
Residual	3.4766

Fit Statistics

-2 Res Log Likelihood	2380.9
AIC (smaller is better)	2388.9
AICC (smaller is better)	2389.0
BIC (smaller is better)	2403.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	2.9312	0.4007	8	7.32	<.0001	0.05	2.0073	3.8551
TIME	-0.1311	0.06038	59	-2.17	0.0339	0.05	-0.2519	-0.01030

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.1605	-0.01655
2	TIME	-0.01655	0.003646

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	POOL1P_KM
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	310.453325	6.335782	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	16.681997	2.085250	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	83.305948	1.700121	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	112.397589	1.370702	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	4.62	<.0001
YEAR	82	1.52	0.1625

TIME*ID_NUM 82 1.24 0.1926

Residual . . .

The current variable is POOL1P_KM

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	6.4081
YEAR	0.06352
TIME*ID_NUM	0.01073
Residual	1.3707

Fit Statistics

-2 Res Log Likelihood	1856.9
AIC (smaller is better)	1864.9
AICC (smaller is better)	1865.0
BIC (smaller is better)	1879.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	1.6131	0.2870	8	5.62	0.0005	0.05	0.9513	2.2749
TIME	0.01352	0.03814	49	0.35	0.7245	0.05	-0.06312	0.09016

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.08236	-0.00840
2	TIME	-0.00840	0.001455

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	0.13	0.7245

The current variable is POOL1P_KM

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----- GCG=3-MS -----

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	P00L1P_KM
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	305.115562	5.352905	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	12.629402	1.578675	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	101.714926	1.784472	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	274.527520	3.431594	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	1.56	0.0332
YEAR	80	0.46	0.8805
TIME*ID_NUM	80	0.52	0.9950
Residual	.	.	.

The current variable is P00L1P_KM

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	2.6664
YEAR	-0.1684
TIME*ID_NUM	-0.05738
Residual	3.4316

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	1.7905	0.1769	8	10.12	<.0001	0.05	1.3825	2.1986
TIME	-0.03046	0.01680	57	-1.81	0.0751	0.05	-0.06410	0.003182

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.03131	-0.00297
2	TIME	-0.00297	0.000282

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	3.29	0.0751

The current variable is POOL1P_KM

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	POOL1P_KM
Covariance Structure	Variance Components

Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	262.952993	4.869500	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	11.441921	1.430240	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	53.149574	0.984251	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	65.334872	0.816686	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	5.96	<.0001
YEAR	80	1.75	0.0993
TIME*ID_NUM	80	1.21	0.2217
Residual	.	.	.

The current variable is POOL1P_KM

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	5.4390
YEAR	0.05578
TIME*ID_NUM	0.005787
Residual	0.8167

Fit Statistics

-2 Res Log Likelihood	1736.7
AIC (smaller is better)	1744.7
AICC (smaller is better)	1744.8
BIC (smaller is better)	1759.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	1.5465	0.2564	8	6.03	0.0003	0.05	0.9553	2.1376
TIME	-0.03291	0.03245	54	-1.01	0.3150	0.05	-0.09796	0.03214

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.06572	-0.00629
2	TIME	-0.00629	0.001053

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	1.03	0.3150

The current variable is POOL1P_KM

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	POOL1P_KM
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	473.050075	6.570140	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	8.965632	1.120704	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	140.048761	1.945122	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	173.680644	1.378418	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	4.77	<.0001
YEAR	126	0.81	0.5924
TIME*ID_NUM	126	1.41	0.0460
Residual	.	.	.

The current variable is POOL1P_KM

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	5.6833
YEAR	-0.01539
TIME*ID_NUM	0.01324
Residual	1.3784

Fit Statistics

-2 Res Log Likelihood	2138.9
AIC (smaller is better)	2146.9
AICC (smaller is better)	2147.0
BIC (smaller is better)	2160.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	2.1845	0.1977	8	11.05	<.0001	0.05	1.7287	2.6403
TIME	-0.04690	0.02091	72	-2.24	0.0280	0.05	-0.08859	-0.00521

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.03907	-0.00223
2	TIME	-0.00223	0.000437

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	5.03	0.0280

The current variable is POOL1P_KM
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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	POOL1P_KM
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	2451.394257	8.309811	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	10.912800	1.364100	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	915.803122	3.104417	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	1006.209471	2.053489	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	4.05	<.0001
YEAR	490	0.66	0.7231
TIME*ID_NUM	490	1.51	<.0001
Residual	.	.	.

The current variable is POOL1P_KM

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ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	7.6876
YEAR	-0.01107
TIME*ID_NUM	0.03063
Residual	2.0535

Fit Statistics

-2 Res Log Likelihood	10265.9
AIC (smaller is better)	10273.9
AICC (smaller is better)	10273.9
BIC (smaller is better)	10294.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
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Intercept	2.1566	0.09985	8	21.60	<.0001	0.05	1.9263	2.3868
TIME	-0.04317	0.01206	295	-3.58	0.0004	0.05	-0.06690	-0.01944

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.009970	-0.00069
2	TIME	-0.00069	0.000145

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	12.82	0.0004

The current variable is CWPPOOL

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GCG=1-NC

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CWPPOOL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	441
Number of Observations Not Used	7

Type 3 Analysis of Variance

Sum of

Source	DF	Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	58	11232	193.651544	Var(Residual) + 0.7623 Var(ID_NUM)	MS(Residual)
YEAR	8	3910.562348	488.820294	Var(Residual) + 11.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	58	33326	574.581970	Var(Residual) + 31.501 Var(TIME*ID_NUM)	MS(Residual)
Residual	87	21452	246.570238	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	87	0.00	.
ID_NUM	87	0.79	0.8362
YEAR	87	1.98	0.0580
TIME*ID_NUM	87	2.33	0.0002
Residual	.	.	.

The current variable is CWP00L

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-69.4232
YEAR	20.4000
TIME*ID_NUM	10.4127
Residual	246.57

Fit Statistics

-2 Res Log Likelihood	3972.4
AIC (smaller is better)	3980.4
AICC (smaller is better)	3980.5
BIC (smaller is better)	3995.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	7.6120	3.2398	8	2.35	0.0467	0.05	0.1410	15.0831
TIME	1.1020	0.5590	58	1.97	0.0535	0.05	-0.01696	2.2210

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	10.4964	-1.4846
2	TIME	-1.4846	0.3125

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	58	3.89	0.0535

The current variable is CWP00L

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CWP00L
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	427
Number of Observations Not Used	1

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	56958	1162.402698	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	569.119857	71.139982	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	28930	590.414324	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	13.57	<.0001
YEAR	82	0.83	0.5782
TIME*ID_NUM	82	6.89	<.0001
Residual	.	.	.
The current variable is CWP00L			

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15:55 Saturday, August 29, 2009

----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	1389.71
YEAR	-1.2895
TIME*ID_NUM	16.4486
Residual	85.6465

Fit Statistics

-2 Res Log Likelihood	3972.8
AIC (smaller is better)	3980.8
AICC (smaller is better)	3980.9
BIC (smaller is better)	3995.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	14.6260	3.3472	8	4.37	0.0024	0.05	6.9073	22.3446
TIME	0.06940	0.5002	49	0.14	0.8902	0.05	-0.9358	1.0746

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	11.2037	-1.0626
2	TIME	-1.0626	0.2502

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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TIME	1	49	0.02	0.8902
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The current variable is CWP00L

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15:55 Saturday, August 29, 2009

----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CWP00L
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	399
Number of Observations Not Used	3

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	55	151473	2754.059781	Var(Residual) + 0.7275 Var(ID_NUM)	MS(Residual)
YEAR	8	2059.818351	257.477294	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	55	92841	1688.014990	Var(Residual) + 29.581 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	29381	367.256660	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F

TIME	80	0.00	.
ID_NUM	80	7.50	<.0001
YEAR	80	0.70	0.6896
TIME*ID_NUM	80	4.60	<.0001
Residual	.	.	.

The current variable is CWP00L

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	3280.99
YEAR	-9.9799
TIME*ID_NUM	44.6493
Residual	367.26

Fit Statistics

-2 Res Log Likelihood	4172.3
AIC (smaller is better)	4180.3
AICC (smaller is better)	4180.4
BIC (smaller is better)	4194.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	22.9771	5.1903	8	4.43	0.0022	0.05	11.0081	34.9460
TIME	-0.8277	0.7854	55	-1.05	0.2965	0.05	-2.4016	0.7461

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	26.9397	-2.3796
2	TIME	-2.3796	0.6168

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	55	1.11	0.2965

The current variable is CWP00L

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CWPOOL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	408
Number of Observations Not Used	13

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	39568	732.747950	Var(Residual) + 0.7342 Var(ID_NUM)	MS(Residual)
YEAR	8	18839	2354.827865	Var(Residual) + 10.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	46018	852.187932	Var(Residual) + 28.323 Var(TIME*ID_NUM)	MS(Residual)
Residual	78	46032	590.149707	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	78	0.00	.
ID_NUM	78	1.24	0.1891
YEAR	78	3.99	0.0005
TIME*ID_NUM	78	1.44	0.0682
Residual	.	.	.

The current variable is CWPOOL

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	194.23
YEAR	164.16
TIME*ID_NUM	9.2517
Residual	590.15

Fit Statistics

-2 Res Log Likelihood	4123.9
AIC (smaller is better)	4131.9
AICC (smaller is better)	4132.0
BIC (smaller is better)	4146.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	17.4942	8.8804	8	1.97	0.0843	0.05	-2.9840	37.9725
TIME	0.6750	1.3296	54	0.51	0.6137	0.05	-1.9907	3.3406

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	78.8618	-10.3019
2	TIME	-10.3019	1.7678

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	0.26	0.6137

The current variable is CWP00L

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CWPOOL
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	427
Number of Observations Not Used	28

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	64	153279	2394.988496	Var(Residual) + 0.9233 Var(ID_NUM)	MS(Residual)
YEAR	8	9929.106555	1241.138319	Var(Residual) + 16.125 Var(YEAR)	MS(Residual)
TIME*ID_NUM	64	157595	2462.424180	Var(Residual) + 42.425 Var(TIME*ID_NUM)	MS(Residual)
Residual	121	77268	638.576226	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	121	0.00	.
ID_NUM	121	3.75	<.0001
YEAR	121	1.94	0.0594
TIME*ID_NUM	121	3.86	<.0001
Residual	.	.	.
The current variable is CWPOOL			

----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1902.25
YEAR	37.3682
TIME*ID_NUM	42.9896
Residual	638.58

Fit Statistics

-2 Res Log Likelihood	4629.7
AIC (smaller is better)	4637.7
AICC (smaller is better)	4637.8
BIC (smaller is better)	4651.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	17.8559	6.2600	8	2.85	0.0214	0.05	3.4204	32.2914
TIME	1.6965	1.0057	64	1.69	0.0965	0.05	-0.3128	3.7057

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	39.1871	-4.5079
2	TIME	-4.5079	1.0115

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	64	2.85	0.0965

The current variable is CWP00L
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CWP00L
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2102
Number of Observations Not Used	52

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	284	421240	1483.239232	Var(Residual) + 0.811 Var(ID_NUM)	MS(Residual)
YEAR	8	11788	1473.518140	Var(Residual) + 61 Var(YEAR)	MS(Residual)
TIME*ID_NUM	284	368130	1296.231035	Var(Residual) + 33.917 Var(TIME*ID_NUM)	MS(Residual)
Residual	480	204674	426.403421	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	480	0.00	.
ID_NUM	480	3.48	<.0001
YEAR	480	3.46	0.0007
TIME*ID_NUM	480	3.04	<.0001
Residual	.	.	.

The current variable is CWPOOL

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ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1303.15
YEAR	17.1658
TIME*ID_NUM	25.6460
Residual	426.40

Fit Statistics

-2 Res Log Likelihood	21366.4
AIC (smaller is better)	21374.4
AICC (smaller is better)	21374.4
BIC (smaller is better)	21395.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	15.8475	3.2620	8	4.86	0.0013	0.05	8.3253	23.3697
TIME	0.5338	0.4997	284	1.07	0.2863	0.05	-0.4497	1.5174

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	10.6407	-1.3325
2	TIME	-1.3325	0.2497

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	284	1.14	0.2863

The current variable is PCTSHADE

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSHADE
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	11496	194.851004	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	3849.396030	481.174504	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	4288.804363	72.691599	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	9812.827626	109.031418	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	1.79	0.0064
YEAR	90	4.41	0.0002
TIME*ID_NUM	90	0.67	0.9516
Residual	.	.	.

The current variable is PCTSHADE

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	110.92
YEAR	30.3790
TIME*ID_NUM	-1.1236
Residual	109.03

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	67.9652	3.1343	8	21.68	<.0001	0.05	60.7375	75.1929
TIME	1.8999	0.1689	59	11.25	<.0001	0.05	1.5620	2.2379

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	9.8239	-0.5294
2	TIME	-0.5294	0.02853

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	126.53	<.0001

The current variable is PCTSHADE

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15:55 Saturday, August 29, 2009

----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSHADE
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	6313.727290	128.851577	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	827.604554	103.450569	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	4114.365090	83.966634	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	5053.363489	61.626384	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	2.09	0.0016
YEAR	82	1.68	0.1160
TIME*ID_NUM	82	1.36	0.1072
Residual	.	.	.

The current variable is PCTSHADE

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	86.7637
YEAR	3.7177
TIME*ID_NUM	0.7280
Residual	61.6264

Fit Statistics

-2 Res Log Likelihood	3358.2
AIC (smaller is better)	3366.2
AICC (smaller is better)	3366.3
BIC (smaller is better)	3380.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	80.9420	1.7363	8	46.62	<.0001	0.05	76.9382	84.9458
TIME	0.1334	0.2567	49	0.52	0.6057	0.05	-0.3825	0.6493

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.0146	-0.3706
2	TIME	-0.3706	0.06592

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	0.27	0.6057

The current variable is PCTSHADE

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSHADE
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	19061	334.404537	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)

YEAR	8	1237.409261	154.676158	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	4592.547727	80.571013	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	4804.479491	60.055994	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	5.57	<.0001
YEAR	80	2.58	0.0149
TIME*ID_NUM	80	1.34	0.1120
Residual	.	.	.
The current variable is PCTSHADE			

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	380.74
YEAR	8.6018
TIME*ID_NUM	0.7147
Residual	60.0560

Fit Statistics

-2 Res Log Likelihood	3341.2
AIC (smaller is better)	3349.2
AICC (smaller is better)	3349.3
BIC (smaller is better)	3363.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	81.6028	2.5984	8	31.41	<.0001	0.05	75.6110	87.5946
TIME	-0.1264	0.3502	57	-0.36	0.7195	0.05	-0.8277	0.5749

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	6.7515	-0.7144
2	TIME	-0.7144	0.1226

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	0.13	0.7195

The current variable is PCTSHADE

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSHADE
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	9973.253156	184.689873	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	2443.884271	305.485534	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	5300.359311	98.154802	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	9187.795462	114.847443	Var(Residual)	.

Type 3 Analysis of Variance

		Error		
Source	DF	F Value	Pr > F	
TIME	80	0.00	.	
ID_NUM	80	1.61	0.0264	
YEAR	80	2.66	0.0122	
TIME*ID_NUM	80	0.85	0.7286	
Residual	.	.	.	
The current variable is PCTSHADE				274

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	93.7306
YEAR	17.3307
TIME*ID_NUM	-0.5765
Residual	114.85

Fit Statistics

-2 Res Log Likelihood	3398.4
AIC (smaller is better)	3406.4
AICC (smaller is better)	3406.5
BIC (smaller is better)	3420.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	75.9038	3.0228	8	25.11	<.0001	0.05	68.9333	82.8743
TIME	0.7300	0.4301	54	1.70	0.0954	0.05	-0.1322	1.5923

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	9.1370	-1.1361
2	TIME	-1.1361	0.1850

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSHADE
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	23568	327.338967	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	2494.792819	311.849102	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	5220.426009	72.505917	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	8284.238240	65.747923	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	4.98	<.0001
YEAR	126	4.74	<.0001
TIME*ID_NUM	126	1.10	0.3127

----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	286.36
YEAR	14.6926
TIME*ID_NUM	0.1579
Residual	65.7479

Fit Statistics

-2 Res Log Likelihood	3680.7
AIC (smaller is better)	3688.7
AICC (smaller is better)	3688.8
BIC (smaller is better)	3702.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	81.1023	2.8753	8	28.21	<.0001	0.05	74.4719	87.7328
TIME	-0.4616	0.3949	72	-1.17	0.2463	0.05	-1.2488	0.3256

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	8.2673	-0.9292
2	TIME	-0.9292	0.1559

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	1.37	0.2463

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTSHADE
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	74990	254.203699	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	4781.615745	597.701968	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	30008	101.721118	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	43214	88.192195	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	2.88	<.0001
YEAR	490	6.78	<.0001
TIME*ID_NUM	490	1.15	0.0831
Residual	.	.	.

The current variable is PCTSHADE

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The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	203.99
YEAR	8.1849
TIME*ID_NUM	0.3943
Residual	88.1922

Fit Statistics

-2 Res Log Likelihood	17660.2
AIC (smaller is better)	17668.2
AICC (smaller is better)	17668.3
BIC (smaller is better)	17689.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	79.2759	1.9722	8	40.20	<.0001	0.05	74.7280	83.8239
TIME	0.1271	0.2869	295	0.44	0.6580	0.05	-0.4375	0.6917

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.8896	-0.4909
2	TIME	-0.4909	0.08230

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	0.20	0.6580

The current variable is PCTEROSION

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTEROSION
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	446
Number of Observations Not Used	2

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	24566	430.988617	Var(Residual) + 0.7915 Var(ID_NUM)	MS(Residual)
YEAR	8	14587	1823.358414	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	13723	240.760667	Var(Residual) + 33.38 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	26748	297.194862	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	1.45	0.0568
YEAR	90	6.14	<.0001
TIME*ID_NUM	90	0.81	0.8026
Residual	.	.	.

The current variable is PCTEROSION

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	169.04
YEAR	124.58
TIME*ID_NUM	-1.6906
Residual	297.19

Fit Statistics

-2 Res Log Likelihood	3870.2
AIC (smaller is better)	3878.2
AICC (smaller is better)	3878.3
BIC (smaller is better)	3892.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	23.8176	7.4339	8	3.20	0.0125	0.05	6.6749	40.9603
TIME	-1.7071	1.0816	57	-1.58	0.1200	0.05	-3.8730	0.4588

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	55.2634	-7.0772
2	TIME	-7.0772	1.1699

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	2.49	0.1200

The current variable is PCTEROSION

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTEROSION
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1

Number of Observations

Number of Observations Read	428
Number of Observations Used	425
Number of Observations Not Used	3

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	2554.621752	52.135138	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	2533.147474	316.643434	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	4399.585092	89.787451	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	7672.682655	93.569301	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	0.56	0.9858
YEAR	82	3.38	0.0021
TIME*ID_NUM	82	0.96	0.5553
Residual	.	.	.

The current variable is PCTEROSION

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-53.4767
YEAR	19.8288
TIME*ID_NUM	-0.1232
Residual	93.5693

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	20.2989	1.6423	8	12.36	<.0001	0.05	16.5117	24.0861
TIME	-1.0737	0.3453	49	-3.11	0.0031	0.05	-1.7676	-0.3799

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.6972	-0.4810
2	TIME	-0.4810	0.1192

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	9.67	0.0031

The current variable is PCTEROSION

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTEROSION
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	391

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	55	4461.080740	81.110559	Var(Residual) + 0.7163 Var(ID_NUM)	MS(Residual)
YEAR	8	670.733173	83.841647	Var(Residual) + 10.5 Var(YEAR)	MS(Residual)
TIME*ID_NUM	55	4976.021809	90.473124	Var(Residual) + 28.239 Var(TIME*ID_NUM)	MS(Residual)
Residual	76	3725.835498	49.024151	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	76	0.00	.
ID_NUM	76	1.65	0.0210
YEAR	76	1.71	0.1096
TIME*ID_NUM	76	1.85	0.0067
Residual	.	.	.

The current variable is PCTEROSION

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	44.7931
YEAR	3.3160
TIME*ID_NUM	1.4678
Residual	49.0242

Fit Statistics

-2 Res Log Likelihood	3019.3
AIC (smaller is better)	3027.3
AICC (smaller is better)	3027.4
BIC (smaller is better)	3041.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
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Intercept	7.1083	1.5919	8	4.47	0.0021	0.05	3.4374	10.7792
TIME	0.1458	0.2531	55	0.58	0.5670	0.05	-0.3614	0.6529

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.5341	-0.3286
2	TIME	-0.3286	0.06405

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	55	0.33	0.5670

The current variable is PCTEROSION

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTEROSION
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	406
Number of Observations Not Used	15

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
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TIME	0	0	0	0	MS(Residual)
ID_NUM	54	5818.392699	107.748013	Var(Residual) + 0.731 Var(ID_NUM)	MS(Residual)
YEAR	8	873.671468	109.208933	Var(Residual) + 10.5 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	2650.069064	49.075353	Var(Residual) + 27.804 Var(TIME*ID_NUM)	MS(Residual)
Residual	76	9339.416617	122.887061	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	76	0.00	.
ID_NUM	76	0.88	0.6929
YEAR	76	0.89	0.5302
TIME*ID_NUM	76	0.40	0.9997
Residual	.	.	.

The current variable is PCTEROSION
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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	-20.7115
YEAR	-1.3027
TIME*ID_NUM	-2.6548
Residual	122.89

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	9.1680	0.2258	8	40.61	<.0001	0.05	8.6474	9.6886
TIME	-0.5212	0.05911	54	-8.82	<.0001	0.05	-0.6397	-0.4027

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	0.05096	-0.01329
2	TIME	-0.01329	0.003494

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	77.75	<.0001

The current variable is PCTEROSION

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTEROSION
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	449
Number of Observations Not Used	6

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	71	7511.467105	105.795311	Var(Residual) + 0.915 Var(ID_NUM)	MS(Residual)
YEAR	8	4408.195928	551.024491	Var(Residual) + 16.5 Var(YEAR)	MS(Residual)
TIME*ID_NUM	71	4228.917996	59.562225	Var(Residual) + 42.392 Var(TIME*ID_NUM)	MS(Residual)
Residual	124	12179	98.215103	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	124	0.00	.
ID_NUM	124	1.08	0.3547
YEAR	124	5.61	<.0001
TIME*ID_NUM	124	0.61	0.9889
Residual	.	.	.

The current variable is PCTEROSION

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	8.2846
YEAR	27.4430
TIME*ID_NUM	-0.9118
Residual	98.2151

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	180.02	2.6866	8	67.01	<.0001	0.05	173.82	186.21
TIME	-10.7037	0.5026	71	-21.30	<.0001	0.05	-11.7059	-9.7016

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	7.2179	-1.3502
2	TIME	-1.3502	0.2526

Type 3 Tests of Fixed Effects

	Num	Den		
Effect	DF	DF	F Value	Pr > F
TIME	1	71	453.58	<.0001

The current variable is PCTEROSION
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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTEROSION
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2117
Number of Observations Not Used	37

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	290	72429	249.753841	Var(Residual) + 0.8148 Var(ID_NUM)	MS(Residual)
YEAR	8	4396.015264	549.501908	Var(Residual) + 61 Var(YEAR)	MS(Residual)
TIME*ID_NUM	290	45648	157.405530	Var(Residual) + 34.138 Var(TIME*ID_NUM)	MS(Residual)
Residual	480	78341	163.209886	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	480	0.00	.
ID_NUM	480	1.53	<.0001
YEAR	480	3.37	0.0009

TIME*ID_NUM 480 0.96 0.6311
Residual . . .

The current variable is PCTEROSION 290

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The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	106.21
YEAR	6.3327
TIME*ID_NUM	-0.1700
Residual	163.21

Fit Statistics

-2 Res Log Likelihood	17355.7
AIC (smaller is better)	17363.7
AICC (smaller is better)	17363.7
BIC (smaller is better)	17384.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	12.1188	1.7758	8	6.82	0.0001	0.05	8.0238	16.2139
TIME	-0.3251	0.2585	290	-1.26	0.2095	0.05	-0.8338	0.1836

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.1536	-0.4010
2	TIME	-0.4010	0.06680

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	290	1.58	0.2095

The current variable is PCTUNDERC 291

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTUNDERC
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	442
Number of Observations Not Used	6

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	58	2923.536872	50.405808	Var(Residual) + 0.787 Var(ID_NUM)	MS(Residual)
YEAR	8	543.177724	67.897215	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	58	2281.313774	39.332996	Var(Residual) + 32.882 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	2580.852437	28.676138	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	1.76	0.0080
YEAR	90	2.37	0.0232
TIME*ID_NUM	90	1.37	0.0882
Residual	.	.	.

The current variable is PCTUNDERC

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	27.6120
YEAR	3.2017
TIME*ID_NUM	0.3241
Residual	28.6761

Fit Statistics

-2 Res Log Likelihood	2968.8
AIC (smaller is better)	2976.8
AICC (smaller is better)	2976.9
BIC (smaller is better)	2991.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	9.3613	1.3697	8	6.83	0.0001	0.05	6.2028	12.5198
TIME	-0.6302	0.2060	58	-3.06	0.0034	0.05	-1.0426	-0.2178

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.8760	-0.2398
2	TIME	-0.2398	0.04244

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	58	9.36	0.0034

The current variable is PCTUNDERC

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTUNDERC
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	422
Number of Observations Not Used	6

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	941.876332	19.221966	Var(Residual) + 0.7655 Var(ID_NUM)	MS(Residual)
YEAR	8	861.874088	107.734261	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	860.093353	17.552926	Var(Residual) + 30.137 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	2566.060915	32.075761	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	0.60	0.9725
YEAR	80	3.36	0.0023
TIME*ID_NUM	80	0.55	0.9878
Residual	.	.	.

The current variable is PCTUNDERC

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	-16.7917
YEAR	6.8780

TIME*ID_NUM	-0.4819
Residual	32.0758

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	-0.8000	0.7016	8	-1.14	0.2872	0.05	-2.4179	0.8179
TIME	2.0652	0.3899	49	5.30	<.0001	0.05	1.2817	2.8488

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.4923	-0.2593
2	TIME	-0.2593	0.1520

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	28.06	<.0001

The current variable is PCTUNDERC

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTUNDERC
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters

Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	392
Number of Observations Not Used	10

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	56	2422.442770	43.257907	Var(Residual) + 0.7112 Var(ID_NUM)	MS(Residual)
YEAR	8	827.430338	103.428792	Var(Residual) + 10.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	56	1864.942768	33.302549	Var(Residual) + 27.779 Var(TIME*ID_NUM)	MS(Residual)
Residual	74	2744.811995	37.092054	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	74	0.00	.
ID_NUM	74	1.17	0.2660
YEAR	74	2.79	0.0094
TIME*ID_NUM	74	0.90	0.6612
Residual	.	.	.

The current variable is PCTUNDERC

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	8.6698
YEAR	6.4719
TIME*ID_NUM	-0.1364
Residual	37.0921

Fit Statistics

-2 Res Log Likelihood

2661.6

AIC (smaller is better)	2669.6
AICC (smaller is better)	2669.7
BIC (smaller is better)	2683.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	3.1433	1.7839	8	1.76	0.1161	0.05	-0.9703	7.2569
TIME	0.4806	0.2592	56	1.85	0.0689	0.05	-0.03854	0.9998

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.1822	-0.4078
2	TIME	-0.4078	0.06717

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	56	3.44	0.0689

The current variable is PCTUNDERC

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTUNDERC
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	409
Number of Observations Not Used	12

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	2256.044608	41.778604	Var(Residual) + 0.7363 Var(ID_NUM)	MS(Residual)
YEAR	8	338.039807	42.254976	Var(Residual) + 10.5 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	1021.475613	18.916215	Var(Residual) + 28.255 Var(TIME*ID_NUM)	MS(Residual)
Residual	76	1481.845365	19.497965	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	76	0.00	.
ID_NUM	76	2.14	0.0011
YEAR	76	2.17	0.0394
TIME*ID_NUM	76	0.97	0.5420
Residual	.	.	.

The current variable is PCTUNDERC

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	30.2610
YEAR	2.1673
TIME*ID_NUM	-0.02059
Residual	19.4980

Fit Statistics

-2 Res Log Likelihood	2741.3
AIC (smaller is better)	2749.3
AICC (smaller is better)	2749.4
BIC (smaller is better)	2763.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	6.3833	1.1665	8	5.47	0.0006	0.05	3.6933	9.0732
TIME	-0.1048	0.1644	54	-0.64	0.5266	0.05	-0.4343	0.2248

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.3607	-0.1638
2	TIME	-0.1638	0.02702

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	0.41	0.5266

The current variable is PCTUNDERC

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GCG=5-SC

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTUNDERC
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	447
Number of Observations Not Used	8

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	70	2916.731052	41.667586	Var(Residual) + 0.9148 Var(ID_NUM)	MS(Residual)
YEAR	8	315.120464	39.390058	Var(Residual) + 16.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	70	1739.889521	24.855565	Var(Residual) + 42.121 Var(TIME*ID_NUM)	MS(Residual)
Residual	122	3275.909830	26.851720	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	122	0.00	.
ID_NUM	122	1.55	0.0170
YEAR	122	1.47	0.1761
TIME*ID_NUM	122	0.93	0.6341
Residual	.	.	.

The current variable is PCTUNDERC

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	16.1953
YEAR	0.7716
TIME*ID_NUM	-0.04739
Residual	26.8517

Fit Statistics

-2 Res Log Likelihood	2763.0
AIC (smaller is better)	2771.0
AICC (smaller is better)	2771.1
BIC (smaller is better)	2785.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	5.2377	0.8299	8	6.31	0.0002	0.05	3.3239	7.1515
TIME	-0.3885	0.1140	70	-3.41	0.0011	0.05	-0.6158	-0.1611

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.6887	-0.07912
2	TIME	-0.07912	0.01300

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	70	11.61	0.0011

The current variable is PCTUNDERC
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTUNDERC
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2112
Number of Observations Not Used	42

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	291	12456	42.804512	Var(Residual) + 0.8117 Var(ID_NUM)	MS(Residual)
YEAR	8	707.922526	88.490316	Var(Residual) + 60.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	291	9045.857615	31.085421	Var(Residual) + 33.832 Var(TIME*ID_NUM)	MS(Residual)

Residual

474

14827

31.281014 Var(Residual)

.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	474	0.00	.
ID_NUM	474	1.37	0.0013
YEAR	474	2.83	0.0045
TIME*ID_NUM	474	0.99	0.5204
Residual	.	.	.

The current variable is PCTUNDERC

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The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	14.1967
YEAR	0.9495
TIME*ID_NUM	-0.00578
Residual	31.2810

Fit Statistics

-2 Res Log Likelihood	14153.7
AIC (smaller is better)	14161.7
AICC (smaller is better)	14161.7
BIC (smaller is better)	14182.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	6.1527	0.6975	8	8.82	<.0001	0.05	4.5442	7.7612
TIME	-0.1228	0.1019	291	-1.21	0.2291	0.05	-0.3233	0.07773

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.4865	-0.06208
2	TIME	-0.06208	0.01038

Type 3 Tests of Fixed Effects

Num Den

Effect DF DF F Value Pr > F

TIME 1 291 1.45 0.2291

The current variable is LWDPIECE1

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LWDPIECE1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	447
Number of Observations Not Used	1

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	58	14832	255.719108	Var(Residual) + 0.787 Var(ID_NUM)	MS(Residual)
YEAR	8	2895.911639	361.988955	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	58	6237.312932	107.539878	Var(Residual) + 32.882 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	12477	138.629609	Var(Residual)	.

Type 3 Analysis of Variance

	Error			
Source	DF	F Value	Pr > F	
TIME	90	0.00	.	
ID_NUM	90	1.84	0.0044	

YEAR	90	2.61	0.0129
TIME*ID_NUM	90	0.78	0.8496
Residual	.	.	.

The current variable is LWDPIECE1

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	148.79
YEAR	18.2334
TIME*ID_NUM	-0.9455
Residual	138.63

Fit Statistics

-2 Res Log Likelihood	3662.6
AIC (smaller is better)	3670.6
AICC (smaller is better)	3670.7
BIC (smaller is better)	3685.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	20.8316	3.0284	8	6.88	0.0001	0.05	13.8481	27.8151
TIME	-0.5214	0.4225	58	-1.23	0.2222	0.05	-1.3671	0.3244

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	9.1711	-1.0983
2	TIME	-1.0983	0.1785

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	58	1.52	0.2222

The current variable is LWDPIECE1

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15:55 Saturday, August 29, 2009

----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LWDPIECE1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	2924.255265	59.678679	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	79.715673	9.964459	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	1048.945924	21.407060	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	1317.341584	16.065141	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	3.71	<.0001
YEAR	82	0.62	0.7585
TIME*ID_NUM	82	1.33	0.1244
Residual	.	.	.

The current variable is LWDPIECE1

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	56.2895
YEAR	-0.5423
TIME*ID_NUM	0.1741
Residual	16.0651

Fit Statistics

-2 Res Log Likelihood	3010.4
AIC (smaller is better)	3018.4
AICC (smaller is better)	3018.5
BIC (smaller is better)	3033.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	14.5796	0.5692	8	25.61	<.0001	0.05	13.2670	15.8922
TIME	-0.02252	0.06696	49	-0.34	0.7381	0.05	-0.1571	0.1121

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.3240	-0.02230
2	TIME	-0.02230	0.004484

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	0.11	0.7381

The current variable is LWDPIECE1

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set ODFW2008.DATA
Dependent Variable LWDPIECE1

Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	401
Number of Observations Not Used	1

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	5490.873934	96.331122	Var(Residual) + 0.7166 Var(ID_NUM)	MS(Residual)
YEAR	8	794.329877	99.291235	Var(Residual) + 10.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	1619.337584	28.409431	Var(Residual) + 28.468 Var(TIME*ID_NUM)	MS(Residual)
Residual	79	1899.134939	24.039683	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	79	0.00	.
ID_NUM	79	4.01	<.0001
YEAR	79	4.13	0.0004
TIME*ID_NUM	79	1.18	0.2442
Residual	.	.	.

The current variable is LWDPIECE1

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	100.89
YEAR	6.9197
TIME*ID_NUM	0.1535
Residual	24.0397

Fit Statistics

-2 Res Log Likelihood	3113.2
AIC (smaller is better)	3121.2
AICC (smaller is better)	3121.3
BIC (smaller is better)	3135.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	15.8043	1.9659	8	8.04	<.0001	0.05	11.2709	20.3377
TIME	0.08484	0.2787	57	0.30	0.7619	0.05	-0.4732	0.6429

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.8648	-0.4608
2	TIME	-0.4608	0.07766

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	0.09	0.7619

The current variable is LWDPIECE1

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15:55 Saturday, August 29, 2009

----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LWDPIECE1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	419
Number of Observations Not Used	2

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	4162.105028	77.076019	Var(Residual) + 0.7401 Var(ID_NUM)	MS(Residual)
YEAR	8	117.302006	14.662751	Var(Residual) + 10.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	725.115398	13.428063	Var(Residual) + 28.705 Var(TIME*ID_NUM)	MS(Residual)
Residual	79	1138.489039	14.411254	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	79	0.00	.
ID_NUM	79	5.35	<.0001
YEAR	79	1.02	0.4300
TIME*ID_NUM	79	0.93	0.6047
Residual	.	.	.

The current variable is LWDPIECE1

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	84.6659
YEAR	0.02313
TIME*ID_NUM	-0.03425
Residual	14.4113

Fit Statistics

-2 Res Log Likelihood	2875.0
AIC (smaller is better)	2883.0
AICC (smaller is better)	2883.1
BIC (smaller is better)	2897.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	15.4348	0.7805	8	19.78	<.0001	0.05	13.6350	17.2346
TIME	-0.2800	0.08091	54	-3.46	0.0011	0.05	-0.4422	-0.1177

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.6092	-0.04145
2	TIME	-0.04145	0.006546

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	11.97	0.0011

The current variable is LWDPIECE1

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LWDPIECE1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	451
Number of Observations Not Used	4

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	71	8256.203138	116.284551	Var(Residual) + 0.9206 Var(ID_NUM)	MS(Residual)
YEAR	8	492.370474	61.546309	Var(Residual) + 16.625 Var(YEAR)	MS(Residual)
TIME*ID_NUM	71	2509.219799	35.341124	Var(Residual) + 43.137 Var(TIME*ID_NUM)	MS(Residual)
Residual	125	3243.904238	25.951234	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	125	0.00	.
ID_NUM	125	4.48	<.0001
YEAR	125	2.37	0.0206
TIME*ID_NUM	125	1.36	0.0664
Residual	.	.	.

The current variable is LWDPIECE1

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	98.1253
YEAR	2.1411
TIME*ID_NUM	0.2177
Residual	25.9512

Fit Statistics

-2 Res Log Likelihood	3127.3
AIC (smaller is better)	3135.3
AICC (smaller is better)	3135.4
BIC (smaller is better)	3149.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	11.6988	1.3091	8	8.94	<.0001	0.05	8.6800	14.7177
TIME	-0.2621	0.1738	71	-1.51	0.1361	0.05	-0.6087	0.08452

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.7138	-0.1739
2	TIME	-0.1739	0.03021

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	71	2.27	0.1361

The current variable is LWDPIECE1
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LWDPIECE1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2146
Number of Observations Not Used	8

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	293	41806	142.683584	Var(Residual) + 0.8163 Var(ID_NUM)	MS(Residual)
YEAR	8	1395.612033	174.451504	Var(Residual) + 61.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	293	12949	44.193118	Var(Residual) + 34.388 Var(TIME*ID_NUM)	MS(Residual)
Residual	487	23060	47.350210	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	487	0.00	.
ID_NUM	487	3.01	<.0001
YEAR	487	3.68	0.0003
TIME*ID_NUM	487	0.93	0.7418
Residual	.	.	.

The current variable is LWDPIECE1

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ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	116.79
YEAR	2.0542
TIME*ID_NUM	-0.09181
Residual	47.3502

Fit Statistics

-2 Res Log Likelihood	16097.0
AIC (smaller is better)	16105.0
AICC (smaller is better)	16105.0
BIC (smaller is better)	16125.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	15.9432	1.0453	8	15.25	<.0001	0.05	13.5326	18.3537
TIME	-0.2390	0.1481	293	-1.61	0.1077	0.05	-0.5305	0.05253

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.0927	-0.1319
2	TIME	-0.1319	0.02194

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	293	2.60	0.1077

The current variable is LWDVOL1

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LWDVOL1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	447
Number of Observations Not Used	1

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	58	96546	1664.579847	Var(Residual) + 0.787 Var(ID_NUM)	MS(Residual)
YEAR	8	14641	1830.143714	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	58	58337	1005.803062	Var(Residual) + 32.882	MS(Residual)

Residual 90 41283 458.696142 Var(TIME*ID_NUM)
Var(Residual) .

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	3.63	<.0001
YEAR	90	3.99	0.0004
TIME*ID_NUM	90	2.19	0.0004
Residual	.	.	.
The current variable is LWDVOL1			

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	1532.32
YEAR	111.95
TIME*ID_NUM	16.6383
Residual	458.70

Fit Statistics

-2 Res Log Likelihood	4443.5
AIC (smaller is better)	4451.5
AICC (smaller is better)	4451.6
BIC (smaller is better)	4466.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	36.2359	7.9786	8	4.54	0.0019	0.05	17.8373	54.6345
TIME	-1.8517	1.1931	58	-1.55	0.1261	0.05	-4.2400	0.5366

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	63.6575	-7.9590
2	TIME	-7.9590	1.4236

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	58	2.41	0.1261

The current variable is LWDVOL1

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LWDVOL1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	16395	334.588387	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	1700.101701	212.512713	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	8547.230149	174.433268	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	19964	243.465237	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F

TIME	82	0.00	.
ID_NUM	82	1.37	0.1010
YEAR	82	0.87	0.5428
TIME*ID_NUM	82	0.72	0.8959
Residual	.	.	.

The current variable is LWDVOL1

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	117.61
YEAR	-2.7513
TIME*ID_NUM	-2.2495
Residual	243.47

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	23.9825	1.4253	8	16.83	<.0001	0.05	20.6957	27.2693
TIME	-0.4149	0.1231	49	-3.37	0.0015	0.05	-0.6623	-0.1676

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.0316	-0.1754
2	TIME	-0.1754	0.01515

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	11.36	0.0015

The current variable is LWDVOL1

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GCG=3-MS

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LWDVOL1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	401
Number of Observations Not Used	1

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	64228	1126.814249	Var(Residual) + 0.7166 Var(ID_NUM)	MS(Residual)
YEAR	8	5979.567651	747.445956	Var(Residual) + 10.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	16864	295.863279	Var(Residual) + 28.468 Var(TIME*ID_NUM)	MS(Residual)
Residual	79	26094	330.299214	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	79	0.00	.
ID_NUM	79	3.41	<.0001
YEAR	79	2.26	0.0311
TIME*ID_NUM	79	0.90	0.6670
Residual	.	.	.

The current variable is LWDVOL1

----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	1111.57
YEAR	38.3583
TIME*ID_NUM	-1.2097
Residual	330.30

Fit Statistics

-2 Res Log Likelihood	3825.0
AIC (smaller is better)	3833.0
AICC (smaller is better)	3833.1
BIC (smaller is better)	3847.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	30.3920	5.1404	8	5.91	0.0004	0.05	18.5381	42.2459
TIME	-1.1331	0.6935	57	-1.63	0.1078	0.05	-2.5219	0.2557

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	26.4241	-2.9186
2	TIME	-2.9186	0.4810

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	2.67	0.1078

The current variable is LWDVOL1

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LWDVOL1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	419
Number of Observations Not Used	2

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	19733	365.422225	Var(Residual) + 0.7401 Var(ID_NUM)	MS(Residual)
YEAR	8	3516.044850	439.505606	Var(Residual) + 10.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	3789.215952	70.170666	Var(Residual) + 28.705 Var(TIME*ID_NUM)	MS(Residual)
Residual	79	9630.123242	121.900294	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	79	0.00	.
ID_NUM	79	3.00	<.0001
YEAR	79	3.61	0.0013
TIME*ID_NUM	79	0.58	0.9837
Residual	.	.	.

The current variable is LWDVOL1

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter

Estimates

Cov Parm	Estimate
ID_NUM	329.02
YEAR	29.2051
TIME*ID_NUM	-1.8021
Residual	121.90

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	24.3310	3.8689	8	6.29	0.0002	0.05	15.4092	33.2528
TIME	-0.5928	0.5368	54	-1.10	0.2743	0.05	-1.6689	0.4834

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	14.9686	-1.7843
2	TIME	-1.7843	0.2881

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	1.22	0.2743

The current variable is LWDVOL1

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LWDVOL1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	451
Number of Observations Not Used	4

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	71	29480	415.207449	Var(Residual) + 0.9206 Var(ID_NUM)	MS(Residual)
YEAR	8	1856.895910	232.111989	Var(Residual) + 16.625 Var(YEAR)	MS(Residual)
TIME*ID_NUM	71	6626.455418	93.330358	Var(Residual) + 43.137 Var(TIME*ID_NUM)	MS(Residual)
Residual	125	23509	188.068713	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	125	0.00	.
ID_NUM	125	2.21	<.0001
YEAR	125	1.23	0.2846
TIME*ID_NUM	125	0.50	0.9993
Residual	.	.	.

The current variable is LWDVOL1

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	246.73
YEAR	2.6492
TIME*ID_NUM	-2.1962

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	18.2271	1.9872	8	9.17	<.0001	0.05	13.6446	22.8095
TIME	-0.5210	0.2175	71	-2.40	0.0192	0.05	-0.9546	-0.08734

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.9489	-0.3515
2	TIME	-0.3515	0.04730

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	71	5.74	0.0192

The current variable is LWDVOL1
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LWDVOL1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2146
Number of Observations Not Used	8

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	293	249889	852.864141	Var(Residual) + 0.8163 Var(ID_NUM)	MS(Residual)
YEAR	8	3369.913858	421.239232	Var(Residual) + 61.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	293	99145	338.377775	Var(Residual) + 34.388 Var(TIME*ID_NUM)	MS(Residual)
Residual	487	144803	297.336752	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	487	0.00	.
ID_NUM	487	2.87	<.0001
YEAR	487	1.42	0.1867
TIME*ID_NUM	487	1.14	0.1055
Residual	.	.	.

The current variable is LWDVOL1

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ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	680.58
YEAR	2.0025
TIME*ID_NUM	1.1935
Residual	297.34

Fit Statistics

-2 Res Log Likelihood	19820.9
AIC (smaller is better)	19828.9
AICC (smaller is better)	19828.9
BIC (smaller is better)	19849.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	27.0020	1.5453	8	17.47	<.0001	0.05	23.4384	30.5656
TIME	-0.9317	0.2099	293	-4.44	<.0001	0.05	-1.3448	-0.5187

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.3881	-0.2557
2	TIME	-0.2557	0.04405

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	293	19.71	<.0001

The current variable is KEYLWD1

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	KEYLWD1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	447
Number of Observations Not Used	1

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	58	124.606555	2.148389	Var(Residual) + 0.787 Var(ID_NUM)	MS(Residual)
YEAR	8	34.805221	4.350653	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	58	78.988436	1.361870	Var(Residual) + 32.882 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	93.866142	1.042957	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	2.06	0.0010
YEAR	90	4.17	0.0003
TIME*ID_NUM	90	1.31	0.1265
Residual	.	.	.

The current variable is KEYLWD1

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GCG=1-NC

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1.4047
YEAR	0.2700
TIME*ID_NUM	0.009699
Residual	1.0430

Fit Statistics

-2 Res Log Likelihood	1728.4
AIC (smaller is better)	1736.4
AICC (smaller is better)	1736.5
BIC (smaller is better)	1751.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	1.5671	0.3670	8	4.27	0.0027	0.05	0.7209	2.4133
TIME	-0.1135	0.05427	58	-2.09	0.0409	0.05	-0.2222	-0.00488

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.1347	-0.01723
2	TIME	-0.01723	0.002945

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	58	4.37	0.0409

The current variable is KEYLWD1

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	KEYLWD1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0 0		MS(Residual)

ID_NUM	49	44.020408	0.898376	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	7.059728	0.882466	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	27.951341	0.570436	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	50.783651	0.619313	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	1.45	0.0679
YEAR	82	1.42	0.1986
TIME*ID_NUM	82	0.92	0.6172
Residual	.	.	.

The current variable is KEYLWD1

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.3602
YEAR	0.02339
TIME*ID_NUM	-0.00159
Residual	0.6193

Fit Statistics

-2 Res Log Likelihood	1169.1
AIC (smaller is better)	1177.1
AICC (smaller is better)	1177.2
BIC (smaller is better)	1191.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.9470	0.1378	8	6.87	0.0001	0.05	0.6293	1.2647
TIME	-0.01771	0.01934	49	-0.92	0.3643	0.05	-0.05657	0.02116

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.01898	-0.00229

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	0.84	0.3643

The current variable is KEYLWD1

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	KEYLWD1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	401
Number of Observations Not Used	1

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	191.592168	3.361266	Var(Residual) + 0.7166 Var(ID_NUM)	MS(Residual)
YEAR	8	23.044041	2.880505	Var(Residual) + 10.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	37.518349	0.658217	Var(Residual) + 28.468 Var(TIME*ID_NUM)	MS(Residual)
Residual	79	110.857613	1.403261	Var(Residual)	.

Type 3 Analysis of Variance

		Error		
Source	DF	F Value	Pr > F	
TIME	79	0.00	.	
ID_NUM	79	2.40	0.0002	
YEAR	79	2.05	0.0506	
TIME*ID_NUM	79	0.47	0.9985	
Residual	.	.	.	
The current variable is KEYLWD1				

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	2.7325
YEAR	0.1358
TIME*ID_NUM	-0.02617
Residual	1.4033

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	2.2045	0.2408	8	9.16	<.0001	0.05	1.6493	2.7598
TIME	-0.1947	0.008156	57	-23.87	<.0001	0.05	-0.2110	-0.1783

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.05797	-0.00196
2	TIME	-0.00196	0.000067

Type 3 Tests of Fixed Effects

		Num	Den		
Effect	DF	DF	F Value	Pr > F	

TIME 1 57 569.74 <.0001

The current variable is KEYLWD1

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	KEYLWD1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	419
Number of Observations Not Used	2

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	71.496136	1.324003	Var(Residual) + 0.7401 Var(ID_NUM)	MS(Residual)
YEAR	8	16.674181	2.084273	Var(Residual) + 10.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	21.157274	0.391801	Var(Residual) + 28.705 Var(TIME*ID_NUM)	MS(Residual)
Residual	79	45.417904	0.574910	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	79	0.00	.
ID_NUM	79	2.30	0.0004
YEAR	79	3.63	0.0012

TIME*ID_NUM 79 0.68 0.9321

Residual . . .

The current variable is KEYLWD1

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15:55 Saturday, August 29, 2009

----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	1.0121
YEAR	0.1388
TIME*ID_NUM	-0.00638
Residual	0.5749

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	1.1561	0.2641	8	4.38	0.0024	0.05	0.5471	1.7651
TIME	-0.04151	0.03729	54	-1.11	0.2705	0.05	-0.1163	0.03324

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.06974	-0.00856
2	TIME	-0.00856	0.001390

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	1.24	0.2705

The current variable is KEYLWD1

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----- GCG=5-SC -----

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	KEYLWD1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	451
Number of Observations Not Used	4

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	71	74.844989	1.054155	Var(Residual) + 0.9206 Var(ID_NUM)	MS(Residual)
YEAR	8	3.018386	0.377298	Var(Residual) + 16.625 Var(YEAR)	MS(Residual)
TIME*ID_NUM	71	23.158968	0.326183	Var(Residual) + 43.137 Var(TIME*ID_NUM)	MS(Residual)
Residual	125	29.738068	0.237905	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	125	0.00	.
ID_NUM	125	4.43	<.0001
YEAR	125	1.59	0.1355
TIME*ID_NUM	125	1.37	0.0623
Residual	.	.	.

The current variable is KEYLWD1

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.8867
YEAR	0.008385
TIME*ID_NUM	0.002046
Residual	0.2379

Fit Statistics

-2 Res Log Likelihood	1191.7
AIC (smaller is better)	1199.7
AICC (smaller is better)	1199.8
BIC (smaller is better)	1213.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.8442	0.1046	8	8.07	<.0001	0.05	0.6030	1.0855
TIME	-0.03207	0.01321	71	-2.43	0.0177	0.05	-0.05841	-0.00573

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.01095	-0.00098
2	TIME	-0.00098	0.000175

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	71	5.89	0.0177

The current variable is KEYLWD1
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	KEYLWD1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2146
Number of Observations Not Used	8

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	293	519.481755	1.772975	Var(Residual) + 0.8163 Var(ID_NUM)	MS(Residual)
YEAR	8	6.705042	0.838130	Var(Residual) + 61.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	293	193.849051	0.661601	Var(Residual) + 34.388 Var(TIME*ID_NUM)	MS(Residual)
Residual	487	408.559893	0.838932	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	487	0.00	.
ID_NUM	487	2.11	<.0001
YEAR	487	1.00	0.4358
TIME*ID_NUM	487	0.79	0.9873
Residual	.	.	.

The current variable is KEYLWD1

ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1.1443
YEAR	-0.00001
TIME*ID_NUM	-0.00516
Residual	0.8389

Fit Statistics

-2 Res Log Likelihood	6889.1
AIC (smaller is better)	6897.1
AICC (smaller is better)	6897.1
BIC (smaller is better)	6917.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	1.0865	0.05164	8	21.04	<.0001	0.05	0.9675	1.2056
TIME	-0.04552	0.005512	293	-8.26	<.0001	0.05	-0.05637	-0.03468

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.002666	-0.00022
2	TIME	-0.00022	0.000030

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	293	68.21	<.0001

The current variable is RESIDPD

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	RESIDPD
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591

Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	434
Number of Observations Not Used	14

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	58	1.887993	0.032552	Var(Residual) + 0.7344 Var(ID_NUM)	MS(Residual)
YEAR	8	0.179424	0.022428	Var(Residual) + 11.5 Var(YEAR)	MS(Residual)
TIME*ID_NUM	58	1.229695	0.021202	Var(Residual) + 30.456 Var(TIME*ID_NUM)	MS(Residual)
Residual	84	0.994852	0.011843	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	84	0.00	.
ID_NUM	84	2.75	<.0001
YEAR	84	1.89	0.0716
TIME*ID_NUM	84	1.79	0.0073
Residual	.	.	.

The current variable is RESIDPD

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.02820
YEAR	0.000920
TIME*ID_NUM	0.000307
Residual	0.01184

Fit Statistics

-2 Res Log Likelihood	-63.6
AIC (smaller is better)	-55.6
AICC (smaller is better)	-55.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.4989	0.02737	8	18.23	<.0001	0.05	0.4358	0.5620
TIME	0.007431	0.004140	58	1.80	0.0779	0.05	-0.00086	0.01572

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000749	-0.00009
2	TIME	-0.00009	0.000017

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	58	3.22	0.0779

The current variable is RESIDPD

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	RESIDPD
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read

428

Number of Observations Used 425
Number of Observations Not Used 3

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	1.235817	0.025221	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	0.188733	0.023592	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	0.286397	0.005845	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	0.690576	0.008422	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	2.99	<.0001
YEAR	82	2.80	0.0086
TIME*ID_NUM	82	0.69	0.9159
Residual	.	.	.

The current variable is RESIDPD

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.02168
YEAR	0.001348
TIME*ID_NUM	-0.00008
Residual	0.008422

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
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Intercept	0.4723	0.02573	8	18.36	<.0001	0.05	0.4130	0.5317
TIME	0.003618	0.003441	49	1.05	0.2983	0.05	-0.00330	0.01053

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000662	-0.00007
2	TIME	-0.00007	0.000012

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	1.11	0.2983

The current variable is RESIDPD 343

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	RESIDPD
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	397
Number of Observations Not Used	5

Type 3 Analysis of Variance

Sum of

Source	DF	Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	55	9.158426	0.166517	Var(Residual) + 0.7211 Var(ID_NUM)	MS(Residual)
YEAR	8	0.723381	0.090423	Var(Residual) + 10.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	55	3.563910	0.064798	Var(Residual) + 29.336 Var(TIME*ID_NUM)	MS(Residual)
Residual	79	3.417041	0.043254	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	79	0.00	.
ID_NUM	79	3.85	<.0001
YEAR	79	2.09	0.0464
TIME*ID_NUM	79	1.50	0.0494
Residual	.	.	.

The current variable is RESIDPD

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15:55 Saturday, August 29, 2009

----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.1709
YEAR	0.004337
TIME*ID_NUM	0.000734
Residual	0.04325

Fit Statistics

-2 Res Log Likelihood	271.5
AIC (smaller is better)	279.5
AICC (smaller is better)	279.6
BIC (smaller is better)	293.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.5240	0.06038	8	8.68	<.0001	0.05	0.3848	0.6633
TIME	0.006717	0.008467	55	0.79	0.4310	0.05	-0.01025	0.02368

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	0.003646	-0.00041
2	TIME	-0.00041	0.000072

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	55	0.63	0.4310

The current variable is RESIDPD

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	RESIDPD
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	400
Number of Observations Not Used	21

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	3.330787	0.061681	Var(Residual) + 0.7157 Var(ID_NUM)	MS(Residual)
YEAR	8	0.425305	0.053163	Var(Residual) + 10.375 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	1.180453	0.021860	Var(Residual) + 27.793 Var(TIME*ID_NUM)	MS(Residual)

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	75	0.00	.
ID_NUM	75	2.98	<.0001
YEAR	75	2.57	0.0155
TIME*ID_NUM	75	1.06	0.4080
Residual	.	.	.
The current variable is RESIDPD			

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.05729
YEAR	0.003131
TIME*ID_NUM	0.000042
Residual	0.02068

Fit Statistics

-2 Res Log Likelihood	-59.6
AIC (smaller is better)	-51.6
AICC (smaller is better)	-51.5
BIC (smaller is better)	-37.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.4892	0.04463	8	10.96	<.0001	0.05	0.3863	0.5921
TIME	-0.00402	0.006239	54	-0.64	0.5220	0.05	-0.01653	0.008488

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.001991	-0.00023
2	TIME	-0.00023	0.000039

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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TIME	1	54	0.42	0.5220
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The current variable is RESIDPD

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	RESIDPD
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	419
Number of Observations Not Used	36

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	64	4.922565	0.076915	Var(Residual) + 0.9136 Var(ID_NUM)	MS(Residual)
YEAR	8	0.283394	0.035424	Var(Residual) + 15.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	64	0.682796	0.010669	Var(Residual) + 42.19 Var(TIME*ID_NUM)	MS(Residual)
Residual	119	1.126397	0.009466	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
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TIME	119	0.00	.
ID_NUM	119	8.13	<.0001
YEAR	119	3.74	0.0006
TIME*ID_NUM	119	1.13	0.2845
Residual	.	.	.

The current variable is RESIDPD

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.07383
YEAR	0.001635
TIME*ID_NUM	0.000029
Residual	0.009466

Fit Statistics

-2 Res Log Likelihood	-172.0
AIC (smaller is better)	-164.0
AICC (smaller is better)	-163.9
BIC (smaller is better)	-149.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.5051	0.03416	8	14.79	<.0001	0.05	0.4264	0.5839
TIME	-0.00145	0.004330	64	-0.33	0.7395	0.05	-0.01010	0.007204

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.001167	-0.00011
2	TIME	-0.00011	0.000019

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	64	0.11	0.7395

The current variable is RESIDPD

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ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	RESIDPD
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2075
Number of Observations Not Used	79

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	284	21.124649	0.074383	Var(Residual) + 0.7983 Var(ID_NUM)	MS(Residual)
YEAR	8	0.734838	0.091855	Var(Residual) + 59.875 Var(YEAR)	MS(Residual)
TIME*ID_NUM	284	7.089586	0.024963	Var(Residual) + 33.501 Var(TIME*ID_NUM)	MS(Residual)
Residual	471	8.845460	0.018780	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	471	0.00	.
ID_NUM	471	3.96	<.0001
YEAR	471	4.89	<.0001
TIME*ID_NUM	471	1.33	0.0033
Residual	.	.	.

The current variable is RESIDPD

ALL REGIONS

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Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.06965
YEAR	0.001220
TIME*ID_NUM	0.000185
Residual	0.01878

Fit Statistics

-2 Res Log Likelihood	-131.1
AIC (smaller is better)	-123.1
AICC (smaller is better)	-123.1
BIC (smaller is better)	-102.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.5020	0.02545	8	19.72	<.0001	0.05	0.4433	0.5607
TIME	0.001691	0.003654	284	0.46	0.6438	0.05	-0.00550	0.008884

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000648	-0.00008
2	TIME	-0.00008	0.000013

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	284	0.21	0.6438

The current variable is LRGBLDR1

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LRGBLDR1
Covariance Structure	Variance Components
Estimation Method	Type 3

Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	445
Number of Observations Not Used	3

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	58	79350	1368.100598	Var(Residual) + 0.7779 Var(ID_NUM)	MS(Residual)
YEAR	8	36638	4579.780588	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	58	105410	1817.415460	Var(Residual) + 32.821 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	93028	1033.646010	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	1.32	0.1150
YEAR	90	4.43	0.0001
TIME*ID_NUM	90	1.76	0.0079
Residual	.	.	.

The current variable is LRGBLDR1

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	429.93

YEAR	289.48
TIME*ID_NUM	23.8799
Residual	1033.65

Fit Statistics

-2 Res Log Likelihood	4718.4
AIC (smaller is better)	4726.4
AICC (smaller is better)	4726.4
BIC (smaller is better)	4741.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	23.2851	11.7380	8	1.98	0.0826	0.05	-3.7828	50.3529
TIME	1.2418	1.7831	58	0.70	0.4889	0.05	-2.3275	4.8112

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	137.78	-18.1415
2	TIME	-18.1415	3.1796

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	58	0.49	0.4889

The current variable is LRGBLDR1

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LRGBLDR1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	425
Number of Observations Not Used	3

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	32865	670.707920	Var(Residual) + 0.7701 Var(ID_NUM)	MS(Residual)
YEAR	8	350.594029	43.824254	Var(Residual) + 11.125 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	10115	206.436244	Var(Residual) + 30.412 Var(TIME*ID_NUM)	MS(Residual)
Residual	81	10894	134.492695	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	81	0.00	.
ID_NUM	81	4.99	<.0001
YEAR	81	0.33	0.9539
TIME*ID_NUM	81	1.53	0.0434
Residual	.	.	.

The current variable is LRGBLDR1

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	696.25
YEAR	-8.1500
TIME*ID_NUM	2.3656
Residual	134.49

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	24.6645	1.8168	8	13.58	<.0001	0.05	20.4748	28.8541
TIME	-0.3471	0.02340	49	-14.84	<.0001	0.05	-0.3941	-0.3001

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.3009	0.04246
2	TIME	0.04246	0.000547

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	220.12	<.0001

The current variable is LRGBLDR1

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LRGBLDR1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	397
Number of Observations Not Used	5

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	64056	1123.791740	Var(Residual) + 0.7126 Var(ID_NUM)	MS(Residual)
YEAR	8	9669.444266	1208.680533	Var(Residual) + 10.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	109907	1928.190744	Var(Residual) + 28.231 Var(TIME*ID_NUM)	MS(Residual)
Residual	78	44796	574.305654	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	78	0.00	.
ID_NUM	78	1.96	0.0030
YEAR	78	2.10	0.0451
TIME*ID_NUM	78	3.36	<.0001
Residual	.	.	.

The current variable is LRGBLDR1

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	771.13
YEAR	59.0116
TIME*ID_NUM	47.9566
Residual	574.31

Fit Statistics

-2 Res Log Likelihood	4158.7
AIC (smaller is better)	4166.7
AICC (smaller is better)	4166.8
BIC (smaller is better)	4180.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	16.8318	6.5175	8	2.58	0.0325	0.05	1.8025	31.8611
TIME	3.0886	1.1001	57	2.81	0.0068	0.05	0.8858	5.2915

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	42.4772	-5.6417
2	TIME	-5.6417	1.2101

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	7.88	0.0068

The current variable is LRGBLDR1
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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LRGBLDR1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	413
Number of Observations Not Used	8

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	51455	952.878526	Var(Residual) + 0.7396 Var(ID_NUM)	MS(Residual)
YEAR	8	4830.691203	603.836400	Var(Residual) + 10.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	27434	508.040862	Var(Residual) + 28.439 Var(TIME*ID_NUM)	MS(Residual)
Residual	78	22167	284.191410	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	78	0.00	.
ID_NUM	78	3.35	<.0001
YEAR	78	2.12	0.0431
TIME*ID_NUM	78	1.79	0.0093
Residual	.	.	.

The current variable is LRGBLDR1

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	904.08
YEAR	29.7344
TIME*ID_NUM	7.8712
Residual	284.19

Fit Statistics

-2 Res Log Likelihood	4188.4
AIC (smaller is better)	4196.4
AICC (smaller is better)	4196.5
BIC (smaller is better)	4210.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	37.2249	4.9136	8	7.58	<.0001	0.05	25.8942	48.5557
TIME	-0.6621	0.7125	54	-0.93	0.3569	0.05	-2.0907	0.7664

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	24.1434	-2.8554
2	TIME	-2.8554	0.5077

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	0.86	0.3569

The current variable is LRGBLDR1

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LRGBLDR1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	453
Number of Observations Not Used	2

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	71	253239	3566.740535	Var(Residual) + 0.9203 Var(ID_NUM)	MS(Residual)

YEAR	8	410523	51315	Var(Residual) + 16.625 Var(YEAR)	MS(Residual)
TIME*ID_NUM	71	773565	10895	Var(Residual) + 42.987 Var(TIME*ID_NUM)	MS(Residual)
Residual	125	3762104	30097	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	125	0.00	.
ID_NUM	125	0.12	1.0000
YEAR	125	1.71	0.1035
TIME*ID_NUM	125	0.36	1.0000
Residual	.	.	.
The current variable is LRGBLDR1			

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-28829
YEAR	1276.30
TIME*ID_NUM	-446.68
Residual	30097

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	101.09	77.0659	8	1.31	0.2260	0.05	-76.6284	278.80
TIME	-45.4429	45.3094	71	-1.00	0.3193	0.05	-135.79	44.9016

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	5939.15	-3348.35
2	TIME	-3348.35	2052.95

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	71	1.01	0.3193

The current variable is LRGBLDR1

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	LRGBLDR1
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2133
Number of Observations Not Used	21

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	293	591605	2019.128906	Var(Residual) + 0.8128 Var(ID_NUM)	MS(Residual)
YEAR	8	126011	15751	Var(Residual) + 61.5 Var(YEAR)	MS(Residual)
TIME*ID_NUM	293	1016356	3468.792077	Var(Residual) + 34.198 Var(TIME*ID_NUM)	MS(Residual)
Residual	484	4268990	8820.227341	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
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TIME	484	0.00	.
ID_NUM	484	0.23	1.0000
YEAR	484	1.79	0.0775
TIME*ID_NUM	484	0.39	1.0000
Residual	.	.	.

The current variable is LRGBLDR1
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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-8367.55
YEAR	112.70
TIME*ID_NUM	-156.48
Residual	8820.23

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	35.2984	10.6826	8	3.30	0.0108	0.05	10.6642	59.9325
TIME	0	.	.	.	.	.	.	.

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	114.12	
2	TIME		

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	293	.	.

The current variable is CON_20PLUS
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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CON_20PLUS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	150638	2553.189042	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	14391	1798.865422	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	121420	2057.958018	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	97440	1082.667789	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	2.36	0.0001
YEAR	90	1.66	0.1188
TIME*ID_NUM	90	1.90	0.0029
Residual	.	.	.

The current variable is CON_20PLUS

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	1900.58
YEAR	58.4651
TIME*ID_NUM	30.1560
Residual	1082.67

Fit Statistics

-2 Res Log Likelihood	4803.7
AIC (smaller is better)	4811.7
AICC (smaller is better)	4811.8
BIC (smaller is better)	4826.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	29.3353	7.2405	8	4.05	0.0037	0.05	12.6386	46.0320
TIME	0.6141	1.1293	59	0.54	0.5886	0.05	-1.6456	2.8738

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	52.4253	-6.5539
2	TIME	-6.5539	1.2753

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	0.30	0.5886

The current variable is CON_20PLUS

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The Mixed Procedure

Model Information

Data Set

ODFW2008.DATA

Dependent Variable	CON_20PLUS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	82962	1693.106139	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	19816	2477.045036	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	88948	1815.263007	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	192079	2342.431250	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	0.72	0.8898
YEAR	82	1.06	0.4009
TIME*ID_NUM	82	0.77	0.8318
Residual	.	.	.

The current variable is CON_20PLUS

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	-838.05
YEAR	11.9657
TIME*ID_NUM	-17.1785
Residual	2342.43

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	34.8999	3.9985	8	8.73	<.0001	0.05	25.6794	44.1203
TIME	1.3003	0.6692	49	1.94	0.0578	0.05	-0.04454	2.6452

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	15.9876	-2.3752
2	TIME	-2.3752	0.4479

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	3.78	0.0578

The current variable is CON_20PLUS

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CON_20PLUS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	189697	3328.022119	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	3198.093266	399.761658	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	96402	1691.269386	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	86416	1080.194201	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	3.08	<.0001
YEAR	80	0.37	0.9334
TIME*ID_NUM	80	1.57	0.0321
Residual	.	.	.

The current variable is CON_20PLUS

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	3119.53
YEAR	-61.8575
TIME*ID_NUM	21.2890
Residual	1080.19

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	133.51	0.2578	8	517.80	<.0001	0.05	132.91	134.10
TIME	-7.7698	0.4028	57	-19.29	<.0001	0.05	-8.5765	-6.9632

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.06648	-0.09770
2	TIME	-0.09770	0.1623

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	372.05	<.0001

The current variable is CON_20PLUS

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CON_20PLUS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	435201	8059.268915	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	141476	17685	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	132831	2459.836405	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	468673	5858.409349	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	1.38	0.0964
YEAR	80	3.02	0.0052
TIME*ID_NUM	80	0.42	0.9995
Residual	.	.	.

The current variable is CON_20PLUS

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	2953.62
YEAR	1075.10
TIME*ID_NUM	-117.38
Residual	5858.41

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	91.3379	24.7098	8	3.70	0.0061	0.05	34.3569	148.32
TIME	-5.9104	3.7755	54	-1.57	0.1233	0.05	-13.4799	1.6590

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	610.58	-84.4220
2	TIME	-84.4220	14.2544

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	2.45	0.1233

The current variable is CON_20PLUS

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CON_20PLUS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	546665	7592.572254	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	9432.267674	1179.033459	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	295420	4103.049061	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	188408	1495.304121	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	5.08	<.0001
YEAR	126	0.79	0.6137
TIME*ID_NUM	126	2.74	<.0001
Residual	.	.	.

The current variable is CON_20PLUS

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	6674.54
YEAR	-18.8818
TIME*ID_NUM	60.9456
Residual	1495.30

Fit Statistics

-2 Res Log Likelihood	5163.6
AIC (smaller is better)	5171.6
AICC (smaller is better)	5171.7
BIC (smaller is better)	5185.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
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Intercept	66.5412	7.2283	8	9.21	<.0001	0.05	49.8728	83.2096
TIME	-0.6326	0.9701	72	-0.65	0.5164	0.05	-2.5665	1.3013

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	52.2480	-3.8451
2	TIME	-3.8451	0.9411

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	0.43	0.5164

The current variable is CON_20PLUS
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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CON_20PLUS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)

ID_NUM	295	1634758	5541.551635	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	41266	5158.260699	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	745662	2527.666126	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	1180064	2408.293644	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	2.30	<.0001
YEAR	490	2.14	0.0307
TIME*ID_NUM	490	1.05	0.3179
Residual	.	.	.

The current variable is CON_20PLUS
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	3850.05
YEAR	44.1762
TIME*ID_NUM	3.4793
Residual	2408.29

Fit Statistics

-2 Res Log Likelihood	24103.0
AIC (smaller is better)	24111.0
AICC (smaller is better)	24111.1
BIC (smaller is better)	24131.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	47.5349	5.3783	8	8.84	<.0001	0.05	35.1324	59.9373
TIME	-0.2429	0.7615	295	-0.32	0.7499	0.05	-1.7416	1.2557

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	28.9263	-3.4478
2	TIME	-3.4478	0.5799

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	0.10	0.7499

The current variable is CON_36PLUS

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GCG=1-NC

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CON_36PLUS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	59	17744	300.750988	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	2769.127634	346.140954	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	8719.962007	147.795966	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	21922	243.577722	Var(Residual)	.

Type 3 Analysis of Variance

Error

Source	DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	1.23	0.1816
YEAR	90	1.42	0.1986
TIME*ID_NUM	90	0.61	0.9793
Residual	.	.	.

The current variable is CON_36PLUS

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	73.8936
YEAR	8.3725
TIME*ID_NUM	-2.9616
Residual	243.58

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	4.7212	2.5947	8	1.82	0.1063	0.05	-1.2621	10.7045
TIME	0.2265	0.3826	59	0.59	0.5561	0.05	-0.5390	0.9920

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	6.7323	-0.8930
2	TIME	-0.8930	0.1464

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	0.35	0.5561

----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CON_36PLUS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	11012	224.742246	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	6944.599734	868.074967	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	12051	245.930876	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	30735	374.820846	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	0.60	0.9727
YEAR	82	2.32	0.0271
TIME*ID_NUM	82	0.66	0.9439
Residual	.	.	.

----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	-193.70
YEAR	43.8448
TIME*ID_NUM	-4.2001
Residual	374.82

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	11.2390	5.5636	8	2.02	0.0780	0.05	-1.5908	24.0687
TIME	-0.8068	1.1065	49	-0.73	0.4694	0.05	-3.0304	1.4169

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	30.9541	-5.5679
2	TIME	-5.5679	1.2244

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	49	0.53	0.4694

The current variable is CON_36PLUS

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CON_36PLUS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	53664	941.473172	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	928.070833	116.008854	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	27675	485.527909	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	11922	149.025143	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	6.32	<.0001
YEAR	80	0.78	0.6228
TIME*ID_NUM	80	3.26	<.0001
Residual	.	.	.

The current variable is CON_36PLUS

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1099.76
YEAR	-3.0015
TIME*ID_NUM	11.7233
Residual	149.03

Fit Statistics

-2 Res Log Likelihood	3750.2
AIC (smaller is better)	3758.2
AICC (smaller is better)	3758.3
BIC (smaller is better)	3772.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	9.1811	3.0141	8	3.05	0.0159	0.05	2.2306	16.1316
TIME	-0.05237	0.4344	57	-0.12	0.9045	0.05	-0.9222	0.8175

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	9.0847	-0.7842
2	TIME	-0.7842	0.1887

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	0.01	0.9045

The current variable is CON_36PLUS

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CON_36PLUS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	101502	1879.668200	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	13045	1630.623922	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	46572	862.450718	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	68704	858.796498	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	2.19	0.0007
YEAR	80	1.90	0.0715
TIME*ID_NUM	80	1.00	0.4868
Residual	.	.	.

The current variable is CON_36PLUS

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----- GCG=4-UMP -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	1370.04
YEAR	70.1661

TIME*ID_NUM 0.1262
Residual 858.80

Fit Statistics

-2 Res Log Likelihood 4205.7
AIC (smaller is better) 4213.7
AICC (smaller is better) 4213.8
BIC (smaller is better) 4228.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	24.8988	7.0570	8	3.53	0.0078	0.05	8.6253	41.1723
TIME	-1.1769	0.9866	54	-1.19	0.2381	0.05	-3.1549	0.8012

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	49.8013	-5.9080
2	TIME	-5.9080	0.9734

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	1.42	0.2381

The current variable is CON_36PLUS

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CON_36PLUS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters

Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	146038	2028.298821	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	3500.318690	437.539836	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	63385	880.350529	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	49470	392.616087	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	5.17	<.0001
YEAR	126	1.11	0.3580
TIME*ID_NUM	126	2.24	<.0001
Residual	.	.	.

The current variable is CON_36PLUS 384

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1790.54
YEAR	2.6820
TIME*ID_NUM	11.3988
Residual	392.62

Fit Statistics

-2 Res Log Likelihood	4519.6
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AIC (smaller is better)	4527.6
AICC (smaller is better)	4527.7
BIC (smaller is better)	4541.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	25.6008	4.0583	8	6.31	0.0002	0.05	16.2423	34.9592
TIME	-1.1804	0.5250	72	-2.25	0.0276	0.05	-2.2269	-0.1339

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	16.4698	-1.3149
2	TIME	-1.3149	0.2756

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	5.06	0.0276

The current variable is CON_36PLUS
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	CON_36PLUS
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
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Number of Observations Used 2154
Number of Observations Not Used 0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	360397	1221.686141	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	5470.356602	683.794575	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	170639	578.435721	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	204469	417.284519	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	2.93	<.0001
YEAR	490	1.64	0.1113
TIME*ID_NUM	490	1.39	0.0007
Residual	.	.	.

The current variable is CON_36PLUS

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ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	988.42
YEAR	4.2813
TIME*ID_NUM	4.6970
Residual	417.28

Fit Statistics

-2 Res Log Likelihood	20620.6
AIC (smaller is better)	20628.6
AICC (smaller is better)	20628.6
BIC (smaller is better)	20649.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	14.7840	2.0385	8	7.25	<.0001	0.05	10.0831	19.4848

TIME -0.4614 0.2885 295 -1.60 0.1109 0.05 -1.0292 0.1064

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	4.1556	-0.4691
2	TIME	-0.4691	0.08325

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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TIME 1 295 2.56 0.1109

The current variable is BVR_DAM

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----- GCG=1-NC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	BVR_DAM
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	591
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
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TIME	0	0	0	0	MS(Residual)
ID_NUM	59	332.224181	5.630918	Var(Residual) + 0.7737 Var(ID_NUM)	MS(Residual)
YEAR	8	86.335827	10.791978	Var(Residual) + 12.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	59	277.790417	4.708312	Var(Residual) + 32.342 Var(TIME*ID_NUM)	MS(Residual)
Residual	90	362.890296	4.032114	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	90	0.00	.
ID_NUM	90	1.40	0.0757
YEAR	90	2.68	0.0110
TIME*ID_NUM	90	1.17	0.2508
Residual	.	.	.
The current variable is BVR_DAM			

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----- GCG=1-NC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	2.0664
YEAR	0.5518
TIME*ID_NUM	0.02091
Residual	4.0321

Fit Statistics

-2 Res Log Likelihood	2054.3
AIC (smaller is better)	2062.3
AICC (smaller is better)	2062.4
BIC (smaller is better)	2077.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.9760	0.5385	8	1.81	0.1075	0.05	-0.2658	2.2177
TIME	-0.01813	0.08020	59	-0.23	0.8219	0.05	-0.1786	0.1424

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	0.2900	-0.03746
2	TIME	-0.03746	0.006432

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	59	0.05	0.8219

The current variable is BVR_DAM

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----- GCG=2-MC -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	BVR_DAM
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	587
Subjects	1
Max Obs Per Subject	428

Number of Observations

Number of Observations Read	428
Number of Observations Used	428
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	49	59.470812	1.213690	Var(Residual) + 0.7748 Var(ID_NUM)	MS(Residual)
YEAR	8	12.850366	1.606296	Var(Residual) + 11.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	49	108.229322	2.208762	Var(Residual) + 30.688 Var(TIME*ID_NUM)	MS(Residual)
Residual	82	77.888972	0.949866	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	82	0.00	.
ID_NUM	82	1.28	0.1620
YEAR	82	1.69	0.1129
TIME*ID_NUM	82	2.33	0.0004
Residual	.	.	.
The current variable is BVR_DAM			

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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.3405
YEAR	0.05835
TIME*ID_NUM	0.04102
Residual	0.9499

Fit Statistics

-2 Res Log Likelihood	1724.3
AIC (smaller is better)	1732.3
AICC (smaller is better)	1732.4
BIC (smaller is better)	1747.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.5970	0.2031	8	2.94	0.0187	0.05	0.1285	1.0654
TIME	0.03995	0.03414	49	1.17	0.2476	0.05	-0.02866	0.1086

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.04127	-0.00564
2	TIME	-0.00564	0.001166

Type 3 Tests of Fixed Effects

Num Den

Effect DF DF F Value Pr > F

TIME 1 49 1.37 0.2476

The current variable is BVR_DAM

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----- GCG=3-MS -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	BVR_DAM
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	523
Subjects	1
Max Obs Per Subject	402

Number of Observations

Number of Observations Read	402
Number of Observations Used	402
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	57	90.378411	1.585586	Var(Residual) + 0.7206 Var(ID_NUM)	MS(Residual)
YEAR	8	12.587330	1.573416	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	57	118.553221	2.079881	Var(Residual) + 28.704 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	167.400487	2.092506	Var(Residual)	.

Type 3 Analysis of Variance

	Error			
Source	DF	F Value	Pr > F	
TIME	80	0.00	.	
ID_NUM	80	0.76	0.8651	

YEAR	80	0.75	0.6457
TIME*ID_NUM	80	0.99	0.5043
Residual	.	.	.

The current variable is BVR_DAM

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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-0.7035
YEAR	-0.04719
TIME*ID_NUM	-0.00044
Residual	2.0925

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	1.1494	0.04166	8	27.59	<.0001	0.05	1.0533	1.2455
TIME	-0.1358	0.01339	57	-10.14	<.0001	0.05	-0.1626	-0.1089

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.001736	-0.00056
2	TIME	-0.00056	0.000179

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	57	102.75	<.0001

The current variable is BVR_DAM

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----- GCG=4-UMP -----

The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	BVR_DAM
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	567
Subjects	1
Max Obs Per Subject	421

Number of Observations

Number of Observations Read	421
Number of Observations Used	421
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	54	6.164288	0.114153	Var(Residual) + 0.7451 Var(ID_NUM)	MS(Residual)
YEAR	8	4.194470	0.524309	Var(Residual) + 11 Var(YEAR)	MS(Residual)
TIME*ID_NUM	54	17.067266	0.316060	Var(Residual) + 28.954 Var(TIME*ID_NUM)	MS(Residual)
Residual	80	11.063499	0.138294	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	80	0.00	.
ID_NUM	80	0.83	0.7721
YEAR	80	3.79	0.0008
TIME*ID_NUM	80	2.29	0.0004
Residual	.	.	.

The current variable is BVR_DAM

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-0.03240
YEAR	0.03509
TIME*ID_NUM	0.006140
Residual	0.1383

Fit Statistics

-2 Res Log Likelihood	1547.0
AIC (smaller is better)	1555.0
AICC (smaller is better)	1555.1
BIC (smaller is better)	1569.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	-0.1085	0.1272	8	-0.85	0.4186	0.05	-0.4018	0.1849
TIME	0.05889	0.01989	54	2.96	0.0045	0.05	0.01903	0.09876

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.01618	-0.00217
2	TIME	-0.00217	0.000395

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	54	8.77	0.0045

The current variable is BVR_DAM

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----- GCG=5-SC -----

The Mixed Procedure

Model Information

Data Set ODFW2008.DATA
Dependent Variable BVR_DAM

Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	507
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	455
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	72	1.905714	0.026468	Var(Residual) + 0.9135 Var(ID_NUM)	MS(Residual)
YEAR	8	0.453505	0.056688	Var(Residual) + 16.75 Var(YEAR)	MS(Residual)
TIME*ID_NUM	72	6.321345	0.087796	Var(Residual) + 42.788 Var(TIME*ID_NUM)	MS(Residual)
Residual	126	8.022987	0.063674	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	126	0.00	.
ID_NUM	126	0.42	1.0000
YEAR	126	0.89	0.5268
TIME*ID_NUM	126	1.38	0.0580
Residual	.	.	.

The current variable is BVR_DAM

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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	-0.04073
YEAR	-0.00042
TIME*ID_NUM	0.000564
Residual	0.06367

Fit Statistics

-2 Res Log Likelihood	1.8E308
AIC (smaller is better)	1.8E308
AICC (smaller is better)	1.8E308
BIC (smaller is better)	1.8E308

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.1157	0.008033	8	14.41	<.0001	0.05	0.09721	0.1343
TIME	-0.01933	0.002017	72	-9.58	<.0001	0.05	-0.02335	-0.01531

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000065	-0.00002
2	TIME	-0.00002	4.07E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	72	91.80	<.0001

The current variable is BVR_DAM
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	BVR_DAM
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	4
Columns in X	2
Columns in Z	2731
Subjects	1
Max Obs Per Subject	2154

Number of Observations

Number of Observations Read	2154
Number of Observations Used	2154
Number of Observations Not Used	0

Type 3 Analysis of Variance

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	295	549.026055	1.861105	Var(Residual) + 0.8138 Var(ID_NUM)	MS(Residual)
YEAR	8	12.124185	1.515523	Var(Residual) + 62.25 Var(YEAR)	MS(Residual)
TIME*ID_NUM	295	538.222793	1.824484	Var(Residual) + 34.31 Var(TIME*ID_NUM)	MS(Residual)
Residual	490	731.563556	1.492987	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	490	0.00	.
ID_NUM	490	1.25	0.0162
YEAR	490	1.02	0.4234
TIME*ID_NUM	490	1.22	0.0258
Residual	.	.	.

The current variable is BVR_DAM

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.4523
YEAR	0.000362
TIME*ID_NUM	0.009662
Residual	1.4930

Fit Statistics

-2 Res Log Likelihood	8312.3
AIC (smaller is better)	8320.3

AICC (smaller is better) 8320.3
 BIC (smaller is better) 8341.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Intercept	0.4256	0.06548	8	6.50	0.0002	0.05	0.2746	0.5766
TIME	0.01525	0.01013	295	1.50	0.1335	0.05	-0.00470	0.03520

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.004288	-0.00054
2	TIME	-0.00054	0.000103

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	295	2.26	0.1335

OVERALL SUMMARY

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The MEANS Procedure

Variable	Label	Variance
PRICHNLL	PRICHNLL	68304.57
SECCHNLL	SECCHNLL	11386.08
PRICHNAREA	PRICHNAREA	16434978.10
SECCHNAREA	SECCHNAREA	228866.19
PCTSCCHNLA	PCTSCCHNLA	33.6189571
GRADIENT	GRADIENT	32.6676170
VWIRCH	VWIRCH	88.6926530
WIDTH	WIDTH	11.0328094
ACW	ACW	45.8850190
ACH	ACH	0.0760274
NOPPOOLS	NOPPOOLS	108.4856491
PCTPOOLS	PCTPOOLS	680.7132641
PCTSCPPOOL	PCTSCPPOOL	481.3259155
PCTSWPOOL	PCTSWPOOL	283.1708757
SCRPOOLD	SCRPOOLD	0.1151352
RIFFLEDEP	RIFFLEDEP	0.0087236
LRGBLDR	LRGBLDR	457160.98
PCTSDOR	PCTSDOR	575.0687095
PCTGRAVEL	PCTGRAVEL	208.6201392
PCTBEDROCK	PCTBEDROCK	178.4734212
POOL1P_KM	POOL1P_KM	8.9376679
CWPOOL	CWPOOL	1548.22
PCTSHADE	PCTSHADE	275.4928819

PCTEROSION	PCTEROSION	226.1005806
PCTUNDERC	PCTUNDERC	50.8660144
LWDPIECE1	LWDPIECE1	137.6730215
LWDVOL1	LWDVOL1	669.4831258
KEYLWD1	KEYLWD1	1.7221599
RESIDPD	RESIDPD	0.0758049
LRGBLDR1	LRGBLDR1	5465.39
CON_20PLUS	CON_20PLUS	5097.94
CON_36PLUS	CON_36PLUS	798.6521418
BVR_DAM	BVR_DAM	2.9829984

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----- GCG=1-NC -----

The MEANS Procedure

Variable	Label	Variance
PRICHNLL	PRICHNLL	66990.53
SECCHNLL	SECCHNLL	14679.22
PRICHNAREA	PRICHNAREA	14842033.60
SECCHNAREA	SECCHNAREA	353643.95
PCTSCCHNLA	PCTSCCHNLA	49.3672351
GRADIENT	GRADIENT	16.2699874
VWIRCH	VWIRCH	85.2850010
WIDTH	WIDTH	11.0527801
ACW	ACW	47.0094747
ACH	ACH	0.1203195
NOPOOLS	NOPOOLS	90.0049886
PCTPOOLS	PCTPOOLS	775.0583723
PCTSCPPOOL	PCTSCPPOOL	452.8809136
PCTSWPOOL	PCTSWPOOL	555.2825543
SCRPOOLD	SCRPOOLD	0.0990031
RIFFLEDEP	RIFFLEDEP	0.0091450
LRGBLDR	LRGBLDR	163130.02
PCTSNDOR	PCTSNDOR	738.5162246
PCTGRAVEL	PCTGRAVEL	213.3045500
PCTBEDROCK	PCTBEDROCK	95.4544049
POOL1P_KM	POOL1P_KM	10.8871379
CWPOOL	CWPOOL	519.1429404
PCTSHADE	PCTSHADE	279.2744861
PCTEROSION	PCTEROSION	387.6127767
PCTUNDERC	PCTUNDERC	48.7201662
LWDPIECE1	LWDPIECE1	216.2566817
LWDVOL1	LWDVOL1	976.0689118
KEYLWD1	KEYLWD1	2.7804133
RESIDPD	RESIDPD	0.0646957
LRGBLDR1	LRGBLDR1	2776.56
CON_20PLUS	CON_20PLUS	2796.50
CON_36PLUS	CON_36PLUS	303.3057372
BVR_DAM	BVR_DAM	6.1541826

----- GCG=2-MC -----

Variable	Label	Variance
PRICHNLL	PRICHNLL	65338.01
SECCHNLL	SECCHNLL	17648.06
PRICHNAREA	PRICHNAREA	20558916.19
SECCHNAREA	SECCHNAREA	252960.98
PCTSCCHNLA	PCTSCCHNLA	29.7130059
GRADIENT	GRADIENT	18.2094054
VWIRCH	VWIRCH	37.4813085

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----- GCG=2-MC -----

The MEANS Procedure

Variable	Label	Variance
WIDTH	WIDTH	18.2373457
ACW	ACW	40.2287746
ACH	ACH	0.0446779
NOPPOOLS	NOPPOOLS	154.3957353
PCTPOOLS	PCTPOOLS	703.7243968
PCTSCPOOL	PCTSCPOOL	489.7892516
PCTSWPOOL	PCTSWPOOL	368.6502565
SCRPOOLD	SCRPOOLD	0.0996781
RIFFLEDEP	RIFFLEDEP	0.0067197
LRGBLDR	LRGBLDR	144381.51
PCTSNDOR	PCTSNDOR	460.6632890
PCTGRAVEL	PCTGRAVEL	237.1992219
PCTBEDROCK	PCTBEDROCK	207.2757085
POOL1P_KM	POOL1P_KM	6.3455417
CWPOOL	CWPOOL	544.4476681
PCTSHADE	PCTSHADE	168.8117521
PCTEROSION	PCTEROSION	185.0797506
PCTUNDERC	PCTUNDERC	58.3838310
LWDPIECE1	LWDPIECE1	87.2075463
LWDVOL1	LWDVOL1	407.2469007
KEYLWD1	KEYLWD1	1.0311319
RESIDPD	RESIDPD	0.0480720
LRGBLDR1	LRGBLDR1	1986.68
CON_20PLUS	CON_20PLUS	3171.64
CON_36PLUS	CON_36PLUS	410.0616706
BVR_DAM	BVR_DAM	3.8269770

----- GCG=3-MS -----

Variable	Label	Variance
PRICHNLL	PRICHNLL	68536.53
SECCHNLL	SECCHNLL	8099.63
PRICHNAREA	PRICHNAREA	24730941.58
SECCHNAREA	SECCHNAREA	67058.75

PCTSCCHNLA	PCTSCCHNLA	25.9088037
GRADIENT	GRADIENT	33.9927057
VWIRCH	VWIRCH	37.8943888
WIDTH	WIDTH	11.8490290
ACW	ACW	84.7488678
ACH	ACH	0.0978718
NOPPOOLS	NOPPOOLS	99.0883054
PCTPOOLS	PCTPOOLS	714.2412101
PCTSCPPOOL	PCTSCPPOOL	610.1168566
PCTSWPOOL	PCTSWPOOL	281.0663254

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----- GCG=3-MS -----

The MEANS Procedure

Variable	Label	Variance
SCRPOOLD	SCRPOOLD	0.1592815
RIFFLEDEP	RIFFLEDEP	0.0072137
LRGBLDR	LRGBLDR	214701.58
PCTSNDOR	PCTSNDOR	754.7918919
PCTGRAVEL	PCTGRAVEL	265.0621405
PCTBEDROCK	PCTBEDROCK	186.4767180
POOL1P_KM	POOL1P_KM	11.5010388
CWPOOL	CWPOOL	1254.04
PCTSHADE	PCTSHADE	343.3630563
PCTEROSION	PCTEROSION	132.8206636
PCTUNDERC	PCTUNDERC	58.2317794
LWDPIECE1	LWDPIECE1	184.7184313
LWDVOL1	LWDVOL1	1078.78
KEYLWD1	KEYLWD1	2.1889856
RESIDPD	RESIDPD	0.1240769
LRGBLDR1	LRGBLDR1	2957.50
CON_20PLUS	CON_20PLUS	2678.95
CON_36PLUS	CON_36PLUS	607.8308564
BVR_DAM	BVR_DAM	3.1628392

----- GCG=4-UMP -----

Variable	Label	Variance
PRICHNLL	PRICHNLL	65688.80
SECCHNLL	SECCHNLL	6087.85
PRICHNAREA	PRICHNAREA	11555234.26
SECCHNAREA	SECCHNAREA	101591.69
PCTSCCHNLA	PCTSCCHNLA	19.6027573
GRADIENT	GRADIENT	32.2478523
VWIRCH	VWIRCH	128.7505513
WIDTH	WIDTH	6.0978072
ACW	ACW	20.8006789
ACH	ACH	0.0300058
NOPPOOLS	NOPPOOLS	100.1023414

PCTPOOLS	PCTPOOLS	566.9954242
PCTSCPOOL	PCTSCPOOL	452.8145935
PCTSWPOOL	PCTSWPOOL	115.0536067
SCRPOOLD	SCRPOOLD	0.0942789
RIFFLEDEP	RIFFLEDEP	0.0090401
LRGBLDR	LRGBLDR	79970.40
PCTSNDOR	PCTSNDOR	478.8855451
PCTGRAVEL	PCTGRAVEL	186.3414301
PCTBEDROCK	PCTBEDROCK	257.8739628
POOL1P_KM	POOL1P_KM	5.9452212

REGIONAL SUMMARIES

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----- GCG=4-UMP -----

The MEANS Procedure

Variable	Label	Variance
CWPOOL	CWPOOL	1537.31
PCTSHADE	PCTSHADE	225.3060320
PCTEROSION	PCTEROSION	220.5923457
PCTUNDERC	PCTUNDERC	55.8208675
LWDPIECE1	LWDPIECE1	86.8645597
LWDVOL1	LWDVOL1	431.8845554
KEYLWD1	KEYLWD1	1.4698290
RESIDPD	RESIDPD	0.0601188
LRGBLDR1	LRGBLDR1	1785.48
CON_20PLUS	CON_20PLUS	9438.73
CON_36PLUS	CON_36PLUS	1241.84
BVR_DAM	BVR_DAM	1.1187988

----- GCG=5-SC -----

Variable	Label	Variance
PRICHNLL	PRICHNLL	51159.51
SECCHNLL	SECCHNLL	8598.16
PRICHNAREA	PRICHNAREA	9436479.75
SECCHNAREA	SECCHNAREA	328619.81
PCTSCCHNLA	PCTSCCHNLA	38.5395247
GRADIENT	GRADIENT	50.3413203
VWIRCH	VWIRCH	147.3425192
WIDTH	WIDTH	7.0918928
ACW	ACW	34.3084307
ACH	ACH	0.0786119
NOPPOOLS	NOPPOOLS	60.4624873
PCTPOOLS	PCTPOOLS	312.7408470
PCTSCPOOL	PCTSCPOOL	249.0255841
PCTSWPOOL	PCTSWPOOL	44.6484088
SCRPOOLD	SCRPOOLD	0.1217127
RIFFLEDEP	RIFFLEDEP	0.0102797
LRGBLDR	LRGBLDR	1568261.86
PCTSNDOR	PCTSNDOR	386.4338127

PCTGRAVEL	PCTGRAVEL	131.3671942
PCTBEDROCK	PCTBEDROCK	128.8548544
POOL1P_KM	POOL1P_KM	9.3740288
CWPOOL	CWPOOL	3799.63
PCTSHADE	PCTSHADE	351.7926833
PCTEROSION	PCTEROSION	153.6214957
PCTUNDERC	PCTUNDERC	28.1264653
LWDPIECE1	LWDPIECE1	78.9195801
LWDVOL1	LWDVOL1	413.9609224
KEYLWD1	KEYLWD1	1.1211297

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----- GCG=5-SC -----

The MEANS Procedure

Variable	Label	Variance
RESIDPD	RESIDPD	0.0783792
LRGBLDR1	LRGBLDR1	16305.42
CON_20PLUS	CON_20PLUS	6093.24
CON_36PLUS	CON_36PLUS	1306.89
BVR_DAM	BVR_DAM	0.0925788

ESTIMATES OF VARIANCE COMPONENTS

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Obs	Variable	GCG	CovParm	Estimate
1	PRICHNLL	1-NC	ID_NUM	63685
2	PRICHNLL	1-NC	YEAR	259.97
3	PRICHNLL	1-NC	TIME*ID_NUM	189.54
4	PRICHNLL	1-NC	Residual	11615
5	PRICHNLL	2-MC	ID_NUM	62449
6	PRICHNLL	2-MC	YEAR	658.72
7	PRICHNLL	2-MC	TIME*ID_NUM	125.49
8	PRICHNLL	2-MC	Residual	8533.46
9	PRICHNLL	3-MS	ID_NUM	53215
10	PRICHNLL	3-MS	YEAR	568.34
11	PRICHNLL	3-MS	TIME*ID_NUM	485.12
12	PRICHNLL	3-MS	Residual	10228
13	PRICHNLL	4-UMP	ID_NUM	52994
14	PRICHNLL	4-UMP	YEAR	626.25
15	PRICHNLL	4-UMP	TIME*ID_NUM	68.8036
16	PRICHNLL	4-UMP	Residual	7471.40
17	PRICHNLL	5-SC	ID_NUM	60242
18	PRICHNLL	5-SC	YEAR	56.4544
19	PRICHNLL	5-SC	TIME*ID_NUM	23.8727
20	PRICHNLL	5-SC	Residual	2266.38
21	PRICHNLL	ALL	ID_NUM	59391
22	PRICHNLL	ALL	YEAR	225.04
23	PRICHNLL	ALL	TIME*ID_NUM	170.92
24	PRICHNLL	ALL	Residual	7736.85
25	SECCHNLL	1-NC	ID_NUM	8410.19
26	SECCHNLL	1-NC	YEAR	485.73

27	SECCHNLL	1-NC	TIME*ID_NUM	-15.8092
28	SECCHNLL	1-NC	Residual	3568.57
29	SECCHNLL	2-MC	ID_NUM	9058.49
30	SECCHNLL	2-MC	YEAR	-267.31
31	SECCHNLL	2-MC	TIME*ID_NUM	24.9059
32	SECCHNLL	2-MC	Residual	5391.71
33	SECCHNLL	3-MS	ID_NUM	1319.01
34	SECCHNLL	3-MS	YEAR	167.20
35	SECCHNLL	3-MS	TIME*ID_NUM	11.7818
36	SECCHNLL	3-MS	Residual	1112.71
37	SECCHNLL	4-UMP	ID_NUM	187.50
38	SECCHNLL	4-UMP	YEAR	-2.2136
39	SECCHNLL	4-UMP	TIME*ID_NUM	5.8037
40	SECCHNLL	4-UMP	Residual	1303.95
41	SECCHNLL	5-SC	ID_NUM	11336
42	SECCHNLL	5-SC	YEAR	329.57
43	SECCHNLL	5-SC	TIME*ID_NUM	-5.3354
44	SECCHNLL	5-SC	Residual	3611.06
45	SECCHNLL	ALL	ID_NUM	6655.48
46	SECCHNLL	ALL	YEAR	29.1697
47	SECCHNLL	ALL	TIME*ID_NUM	-2.5225
48	SECCHNLL	ALL	Residual	3246.59
49	PRICHNAREA	1-NC	ID_NUM	6620658
50	PRICHNAREA	1-NC	YEAR	-34135
51	PRICHNAREA	1-NC	TIME*ID_NUM	1772.53

ESTIMATES OF VARIANCE COMPONENTS

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Obs	Variable	GCG	CovParm	Estimate
52	PRICHNAREA	1-NC	Residual	1112836
53	PRICHNAREA	2-MC	ID_NUM	23234579
54	PRICHNAREA	2-MC	YEAR	-64790
55	PRICHNAREA	2-MC	TIME*ID_NUM	-4523.67
56	PRICHNAREA	2-MC	Residual	1183164
57	PRICHNAREA	3-MS	ID_NUM	48482641
58	PRICHNAREA	3-MS	YEAR	33118
59	PRICHNAREA	3-MS	TIME*ID_NUM	85615
60	PRICHNAREA	3-MS	Residual	4956710
61	PRICHNAREA	4-UMP	ID_NUM	7901167
62	PRICHNAREA	4-UMP	YEAR	31594
63	PRICHNAREA	4-UMP	TIME*ID_NUM	-4314.43
64	PRICHNAREA	4-UMP	Residual	490153
65	PRICHNAREA	5-SC	ID_NUM	7646522
66	PRICHNAREA	5-SC	YEAR	-21161
67	PRICHNAREA	5-SC	TIME*ID_NUM	18487
68	PRICHNAREA	5-SC	Residual	735362
69	PRICHNAREA	ALL	ID_NUM	17377781
70	PRICHNAREA	ALL	YEAR	-12113
71	PRICHNAREA	ALL	TIME*ID_NUM	21863
72	PRICHNAREA	ALL	Residual	1592611
73	SECCHNAREA	1-NC	ID_NUM	61709
74	SECCHNAREA	1-NC	YEAR	3387.51
75	SECCHNAREA	1-NC	TIME*ID_NUM	-1603.78
76	SECCHNAREA	1-NC	Residual	86118
77	SECCHNAREA	2-MC	ID_NUM	179764

78	SECCHNAREA	2-MC	YEAR	-1502.24
79	SECCHNAREA	2-MC	TIME*ID_NUM	-1276.05
80	SECCHNAREA	2-MC	Residual	77421
81	SECCHNAREA	3-MS	ID_NUM	11713
82	SECCHNAREA	3-MS	YEAR	146.61
83	SECCHNAREA	3-MS	TIME*ID_NUM	51.0727
84	SECCHNAREA	3-MS	Residual	20671
85	SECCHNAREA	4-UMP	ID_NUM	-65.3311
86	SECCHNAREA	4-UMP	YEAR	671.80
87	SECCHNAREA	4-UMP	TIME*ID_NUM	108.36
88	SECCHNAREA	4-UMP	Residual	12033
89	SECCHNAREA	5-SC	ID_NUM	576978
90	SECCHNAREA	5-SC	YEAR	7033.42
91	SECCHNAREA	5-SC	TIME*ID_NUM	-2136.41
92	SECCHNAREA	5-SC	Residual	189847
93	SECCHNAREA	ALL	ID_NUM	203230
94	SECCHNAREA	ALL	YEAR	1634.87
95	SECCHNAREA	ALL	TIME*ID_NUM	-1305.46
96	SECCHNAREA	ALL	Residual	89108
97	PCTSCCHNLA	1-NC	ID_NUM	-14.4261
98	PCTSCCHNLA	1-NC	YEAR	0.3583
99	PCTSCCHNLA	1-NC	TIME*ID_NUM	-1.0086
100	PCTSCCHNLA	1-NC	Residual	48.8611
101	PCTSCCHNLA	2-MC	ID_NUM	18.6210
102	PCTSCCHNLA	2-MC	YEAR	-0.6702

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Obs	Variable	GCG	CovParm	Estimate
103	PCTSCCHNLA	2-MC	TIME*ID_NUM	0.01095
104	PCTSCCHNLA	2-MC	Residual	9.1869
105	PCTSCCHNLA	3-MS	ID_NUM	10.0374
106	PCTSCCHNLA	3-MS	YEAR	0.5705
107	PCTSCCHNLA	3-MS	TIME*ID_NUM	0.04102
108	PCTSCCHNLA	3-MS	Residual	7.0432
109	PCTSCCHNLA	4-UMP	ID_NUM	1.7519
110	PCTSCCHNLA	4-UMP	YEAR	-0.4329
111	PCTSCCHNLA	4-UMP	TIME*ID_NUM	0.08163
112	PCTSCCHNLA	4-UMP	Residual	8.3938
113	PCTSCCHNLA	5-SC	ID_NUM	31.4062
114	PCTSCCHNLA	5-SC	YEAR	1.3669
115	PCTSCCHNLA	5-SC	TIME*ID_NUM	-0.1348
116	PCTSCCHNLA	5-SC	Residual	16.2155
117	PCTSCCHNLA	ALL	ID_NUM	13.0454
118	PCTSCCHNLA	ALL	YEAR	-0.1190
119	PCTSCCHNLA	ALL	TIME*ID_NUM	-0.2190
120	PCTSCCHNLA	ALL	Residual	18.7237
121	GRADIENT	1-NC	ID_NUM	18.0215
122	GRADIENT	1-NC	YEAR	0.1052
123	GRADIENT	1-NC	TIME*ID_NUM	0.03440
124	GRADIENT	1-NC	Residual	0.8142
125	GRADIENT	2-MC	ID_NUM	12.7999
126	GRADIENT	2-MC	YEAR	-0.00592
127	GRADIENT	2-MC	TIME*ID_NUM	0.03284
128	GRADIENT	2-MC	Residual	0.4502

129	GRADIENT	3-MS	ID_NUM	31.5084
130	GRADIENT	3-MS	YEAR	0.3534
131	GRADIENT	3-MS	TIME*ID_NUM	0.04052
132	GRADIENT	3-MS	Residual	2.1350
133	GRADIENT	4-UMP	ID_NUM	25.6396
134	GRADIENT	4-UMP	YEAR	0.8529
135	GRADIENT	4-UMP	TIME*ID_NUM	0.1285
136	GRADIENT	4-UMP	Residual	1.2821
137	GRADIENT	5-SC	ID_NUM	45.9735
138	GRADIENT	5-SC	YEAR	0.2024
139	GRADIENT	5-SC	TIME*ID_NUM	0.04684
140	GRADIENT	5-SC	Residual	1.0442
141	GRADIENT	ALL	ID_NUM	31.7720
142	GRADIENT	ALL	YEAR	0.04081
143	GRADIENT	ALL	TIME*ID_NUM	0.04853
144	GRADIENT	ALL	Residual	1.3729
145	VWIRCH	1-NC	ID_NUM	3.5967
146	VWIRCH	1-NC	YEAR	1.9590
147	VWIRCH	1-NC	TIME*ID_NUM	-0.9664
148	VWIRCH	1-NC	Residual	41.1002
149	VWIRCH	2-MC	ID_NUM	-36.0204
150	VWIRCH	2-MC	YEAR	-0.2895
151	VWIRCH	2-MC	TIME*ID_NUM	-0.7979
152	VWIRCH	2-MC	Residual	40.0664
153	VWIRCH	3-MS	ID_NUM	26.2246

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Obs	Variable	GCG	CovParm	Estimate
154	VWIRCH	3-MS	YEAR	0.2314
155	VWIRCH	3-MS	TIME*ID_NUM	0.07719
156	VWIRCH	3-MS	Residual	1.8930
157	VWIRCH	4-UMP	ID_NUM	-4.8803
158	VWIRCH	4-UMP	YEAR	-0.9316
159	VWIRCH	4-UMP	TIME*ID_NUM	1.7277
160	VWIRCH	4-UMP	Residual	31.8494
161	VWIRCH	5-SC	ID_NUM	-46.0262
162	VWIRCH	5-SC	YEAR	-0.9947
163	VWIRCH	5-SC	TIME*ID_NUM	-1.5918
164	VWIRCH	5-SC	Residual	110.10
165	VWIRCH	ALL	ID_NUM	-14.1737
166	VWIRCH	ALL	YEAR	-0.2449
167	VWIRCH	ALL	TIME*ID_NUM	-0.5133
168	VWIRCH	ALL	Residual	51.1034
169	WIDTH	1-NC	ID_NUM	3.4785
170	WIDTH	1-NC	YEAR	-0.04631
171	WIDTH	1-NC	TIME*ID_NUM	-0.00535
172	WIDTH	1-NC	Residual	1.6343
173	WIDTH	2-MC	ID_NUM	29.5007
174	WIDTH	2-MC	YEAR	-0.1559
175	WIDTH	2-MC	TIME*ID_NUM	-0.05504
176	WIDTH	2-MC	Residual	3.8052
177	WIDTH	3-MS	ID_NUM	21.4920
178	WIDTH	3-MS	YEAR	0.05431
179	WIDTH	3-MS	TIME*ID_NUM	-0.00253

180	WIDTH	3-MS	Residual	1.4206
181	WIDTH	4-UMP	ID_NUM	5.1813
182	WIDTH	4-UMP	YEAR	0.01706
183	WIDTH	4-UMP	TIME*ID_NUM	-0.00381
184	WIDTH	4-UMP	Residual	0.4189
185	WIDTH	5-SC	ID_NUM	4.3735
186	WIDTH	5-SC	YEAR	-0.01611
187	WIDTH	5-SC	TIME*ID_NUM	0.02573
188	WIDTH	5-SC	Residual	0.5731
189	WIDTH	ALL	ID_NUM	11.7833
190	WIDTH	ALL	YEAR	-0.01252
191	WIDTH	ALL	TIME*ID_NUM	-0.00227
192	WIDTH	ALL	Residual	1.4721
193	ACW	1-NC	ID_NUM	24.3674
194	ACW	1-NC	YEAR	0.8417
195	ACW	1-NC	TIME*ID_NUM	0.2209
196	ACW	1-NC	Residual	6.3084
197	ACW	2-MC	ID_NUM	51.6632
198	ACW	2-MC	YEAR	0.08946
199	ACW	2-MC	TIME*ID_NUM	0.004690
200	ACW	2-MC	Residual	2.1253
201	ACW	3-MS	ID_NUM	159.38
202	ACW	3-MS	YEAR	0.09290
203	ACW	3-MS	TIME*ID_NUM	0.1958
204	ACW	3-MS	Residual	8.9363

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Obs	Variable	GCG	CovParm	Estimate
205	ACW	4-UMP	ID_NUM	13.2008
206	ACW	4-UMP	YEAR	0.08693
207	ACW	4-UMP	TIME*ID_NUM	0.000769
208	ACW	4-UMP	Residual	1.2093
209	ACW	5-SC	ID_NUM	35.9274
210	ACW	5-SC	YEAR	0.3332
211	ACW	5-SC	TIME*ID_NUM	0.06356
212	ACW	5-SC	Residual	4.1017
213	ACW	ALL	ID_NUM	55.4930
214	ACW	ALL	YEAR	0.07351
215	ACW	ALL	TIME*ID_NUM	0.1017
216	ACW	ALL	Residual	4.7517
217	ACH	1-NC	ID_NUM	0.04774
218	ACH	1-NC	YEAR	0.01046
219	ACH	1-NC	TIME*ID_NUM	0.000415
220	ACH	1-NC	Residual	0.02154
221	ACH	2-MC	ID_NUM	0.03183
222	ACH	2-MC	YEAR	0.001578
223	ACH	2-MC	TIME*ID_NUM	-0.00011
224	ACH	2-MC	Residual	0.01897
225	ACH	3-MS	ID_NUM	0.1133
226	ACH	3-MS	YEAR	0.003029
227	ACH	3-MS	TIME*ID_NUM	0.000914
228	ACH	3-MS	Residual	0.03259
229	ACH	4-UMP	ID_NUM	0.008467
230	ACH	4-UMP	YEAR	0.001934

231	ACH	4-UMP	TIME*ID_NUM	-0.00009
232	ACH	4-UMP	Residual	0.01575
233	ACH	5-SC	ID_NUM	0.02779
234	ACH	5-SC	YEAR	0.000031
235	ACH	5-SC	TIME*ID_NUM	0.000125
236	ACH	5-SC	Residual	0.03049
237	ACH	ALL	ID_NUM	0.04714
238	ACH	ALL	YEAR	0.000304
239	ACH	ALL	TIME*ID_NUM	0.000240
240	ACH	ALL	Residual	0.02734
241	NOPPOOLS	1-NC	ID_NUM	59.7758
242	NOPPOOLS	1-NC	YEAR	12.5817
243	NOPPOOLS	1-NC	TIME*ID_NUM	0.3368
244	NOPPOOLS	1-NC	Residual	44.9765
245	NOPPOOLS	2-MC	ID_NUM	44.2681
246	NOPPOOLS	2-MC	YEAR	-2.3009
247	NOPPOOLS	2-MC	TIME*ID_NUM	-0.5090
248	NOPPOOLS	2-MC	Residual	57.8428
249	NOPPOOLS	3-MS	ID_NUM	38.0417
250	NOPPOOLS	3-MS	YEAR	6.3681
251	NOPPOOLS	3-MS	TIME*ID_NUM	-0.4400
252	NOPPOOLS	3-MS	Residual	41.1602
253	NOPPOOLS	4-UMP	ID_NUM	20.1169
254	NOPPOOLS	4-UMP	YEAR	7.1635
255	NOPPOOLS	4-UMP	TIME*ID_NUM	-0.08660

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Obs	Variable	GCG	CovParm	Estimate
256	NOPPOOLS	4-UMP	Residual	30.0859
257	NOPPOOLS	5-SC	ID_NUM	41.4847
258	NOPPOOLS	5-SC	YEAR	4.3211
259	NOPPOOLS	5-SC	TIME*ID_NUM	0.1908
260	NOPPOOLS	5-SC	Residual	24.2100
261	NOPPOOLS	ALL	ID_NUM	46.6905
262	NOPPOOLS	ALL	YEAR	2.0431
263	NOPPOOLS	ALL	TIME*ID_NUM	-0.05626
264	NOPPOOLS	ALL	Residual	41.9791
265	PCTPOOLS	1-NC	ID_NUM	333.25
266	PCTPOOLS	1-NC	YEAR	23.6500
267	PCTPOOLS	1-NC	TIME*ID_NUM	1.6872
268	PCTPOOLS	1-NC	Residual	238.03
269	PCTPOOLS	2-MC	ID_NUM	212.82
270	PCTPOOLS	2-MC	YEAR	-4.8830
271	PCTPOOLS	2-MC	TIME*ID_NUM	0.9919
272	PCTPOOLS	2-MC	Residual	124.76
273	PCTPOOLS	3-MS	ID_NUM	510.70
274	PCTPOOLS	3-MS	YEAR	28.8604
275	PCTPOOLS	3-MS	TIME*ID_NUM	1.2610
276	PCTPOOLS	3-MS	Residual	179.90
277	PCTPOOLS	4-UMP	ID_NUM	265.93
278	PCTPOOLS	4-UMP	YEAR	5.9931
279	PCTPOOLS	4-UMP	TIME*ID_NUM	-0.2973
280	PCTPOOLS	4-UMP	Residual	75.9048
281	PCTPOOLS	5-SC	ID_NUM	133.27

282	PCTPOOLS	5-SC	YEAR	3.3511
283	PCTPOOLS	5-SC	TIME*ID_NUM	1.5813
284	PCTPOOLS	5-SC	Residual	76.5172
285	PCTPOOLS	ALL	ID_NUM	336.68
286	PCTPOOLS	ALL	YEAR	8.2808
287	PCTPOOLS	ALL	TIME*ID_NUM	1.3164
288	PCTPOOLS	ALL	Residual	137.73
289	PCTSCP00L	1-NC	ID_NUM	274.76
290	PCTSCP00L	1-NC	YEAR	26.4067
291	PCTSCP00L	1-NC	TIME*ID_NUM	0.6989
292	PCTSCP00L	1-NC	Residual	133.71
293	PCTSCP00L	2-MC	ID_NUM	239.67
294	PCTSCP00L	2-MC	YEAR	6.1315
295	PCTSCP00L	2-MC	TIME*ID_NUM	2.0308
296	PCTSCP00L	2-MC	Residual	100.76
297	PCTSCP00L	3-MS	ID_NUM	291.10
298	PCTSCP00L	3-MS	YEAR	36.3277
299	PCTSCP00L	3-MS	TIME*ID_NUM	0.4340
300	PCTSCP00L	3-MS	Residual	173.79
301	PCTSCP00L	4-UMP	ID_NUM	125.12
302	PCTSCP00L	4-UMP	YEAR	9.3258
303	PCTSCP00L	4-UMP	TIME*ID_NUM	0.2982
304	PCTSCP00L	4-UMP	Residual	80.4414
305	PCTSCP00L	5-SC	ID_NUM	113.19
306	PCTSCP00L	5-SC	YEAR	0.5517

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Obs	Variable	GCG	CovParm	Estimate
307	PCTSCP00L	5-SC	TIME*ID_NUM	-0.06973
308	PCTSCP00L	5-SC	Residual	69.4763
309	PCTSCP00L	ALL	ID_NUM	223.08
310	PCTSCP00L	ALL	YEAR	8.0031
311	PCTSCP00L	ALL	TIME*ID_NUM	0.6636
312	PCTSCP00L	ALL	Residual	114.66
313	PCTSWP00L	1-NC	ID_NUM	565.79
314	PCTSWP00L	1-NC	YEAR	-1.2725
315	PCTSWP00L	1-NC	TIME*ID_NUM	6.7200
316	PCTSWP00L	1-NC	Residual	154.39
317	PCTSWP00L	2-MC	ID_NUM	24.1516
318	PCTSWP00L	2-MC	YEAR	3.2001
319	PCTSWP00L	2-MC	TIME*ID_NUM	6.9636
320	PCTSWP00L	2-MC	Residual	63.2188
321	PCTSWP00L	3-MS	ID_NUM	322.91
322	PCTSWP00L	3-MS	YEAR	-2.5250
323	PCTSWP00L	3-MS	TIME*ID_NUM	3.2335
324	PCTSWP00L	3-MS	Residual	52.2057
325	PCTSWP00L	4-UMP	ID_NUM	135.06
326	PCTSWP00L	4-UMP	YEAR	-1.0737
327	PCTSWP00L	4-UMP	TIME*ID_NUM	0.6513
328	PCTSWP00L	4-UMP	Residual	27.8924
329	PCTSWP00L	5-SC	ID_NUM	-6.5570
330	PCTSWP00L	5-SC	YEAR	0.4577
331	PCTSWP00L	5-SC	TIME*ID_NUM	0.9640
332	PCTSWP00L	5-SC	Residual	19.5233

333	PCTSWPOOL	ALL	ID_NUM	214.10
334	PCTSWPOOL	ALL	YEAR	-0.2371
335	PCTSWPOOL	ALL	TIME*ID_NUM	3.4679
336	PCTSWPOOL	ALL	Residual	61.2665
337	SCRPOOLD	1-NC	ID_NUM	0.05102
338	SCRPOOLD	1-NC	YEAR	0.003861
339	SCRPOOLD	1-NC	TIME*ID_NUM	0.000372
340	SCRPOOLD	1-NC	Residual	0.01352
341	SCRPOOLD	2-MC	ID_NUM	0.07249
342	SCRPOOLD	2-MC	YEAR	0.001529
343	SCRPOOLD	2-MC	TIME*ID_NUM	-0.00150
344	SCRPOOLD	2-MC	Residual	0.06193
345	SCRPOOLD	3-MS	ID_NUM	0.1601
346	SCRPOOLD	3-MS	YEAR	0.02836
347	SCRPOOLD	3-MS	TIME*ID_NUM	0.000469
348	SCRPOOLD	3-MS	Residual	0.03205
349	SCRPOOLD	4-UMP	ID_NUM	0.1001
350	SCRPOOLD	4-UMP	YEAR	0.002967
351	SCRPOOLD	4-UMP	TIME*ID_NUM	0.000288
352	SCRPOOLD	4-UMP	Residual	0.02224
353	SCRPOOLD	5-SC	ID_NUM	0.1088
354	SCRPOOLD	5-SC	YEAR	0.002211
355	SCRPOOLD	5-SC	TIME*ID_NUM	-0.00008
356	SCRPOOLD	5-SC	Residual	0.01376
357	SCRPOOLD	ALL	ID_NUM	0.09675

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Obs	Variable	GCG	CovParm	Estimate
358	SCRPOOLD	ALL	YEAR	0.001801
359	SCRPOOLD	ALL	TIME*ID_NUM	-0.00018
360	SCRPOOLD	ALL	Residual	0.03287
361	RIFFLEDEP	1-NC	ID_NUM	0.004719
362	RIFFLEDEP	1-NC	YEAR	0.001720
363	RIFFLEDEP	1-NC	TIME*ID_NUM	0.000031
364	RIFFLEDEP	1-NC	Residual	0.003698
365	RIFFLEDEP	2-MC	ID_NUM	0.003120
366	RIFFLEDEP	2-MC	YEAR	5.988E-6
367	RIFFLEDEP	2-MC	TIME*ID_NUM	-4.2E-6
368	RIFFLEDEP	2-MC	Residual	0.002254
369	RIFFLEDEP	3-MS	ID_NUM	0.005448
370	RIFFLEDEP	3-MS	YEAR	0.001877
371	RIFFLEDEP	3-MS	TIME*ID_NUM	0.000021
372	RIFFLEDEP	3-MS	Residual	0.001451
373	RIFFLEDEP	4-UMP	ID_NUM	0.002762
374	RIFFLEDEP	4-UMP	YEAR	0.000295
375	RIFFLEDEP	4-UMP	TIME*ID_NUM	-1.69E-7
376	RIFFLEDEP	4-UMP	Residual	0.002448
377	RIFFLEDEP	5-SC	ID_NUM	0.004528
378	RIFFLEDEP	5-SC	YEAR	0.000345
379	RIFFLEDEP	5-SC	TIME*ID_NUM	-2.18E-6
380	RIFFLEDEP	5-SC	Residual	0.002638
381	RIFFLEDEP	ALL	ID_NUM	0.004980
382	RIFFLEDEP	ALL	YEAR	0.000464
383	RIFFLEDEP	ALL	TIME*ID_NUM	0.000010

384	RIFFLDEP	ALL	Residual	0.002881
385	LRGBLDR	1-NC	ID_NUM	23821
386	LRGBLDR	1-NC	YEAR	16306
387	LRGBLDR	1-NC	TIME*ID_NUM	2435.79
388	LRGBLDR	1-NC	Residual	58514
389	LRGBLDR	2-MC	ID_NUM	60089
390	LRGBLDR	2-MC	YEAR	-640.36
391	LRGBLDR	2-MC	TIME*ID_NUM	124.05
392	LRGBLDR	2-MC	Residual	11259
393	LRGBLDR	3-MS	ID_NUM	60020
394	LRGBLDR	3-MS	YEAR	2291.85
395	LRGBLDR	3-MS	TIME*ID_NUM	5106.07
396	LRGBLDR	3-MS	Residual	29264
397	LRGBLDR	4-UMP	ID_NUM	67360
398	LRGBLDR	4-UMP	YEAR	1228.87
399	LRGBLDR	4-UMP	TIME*ID_NUM	770.77
400	LRGBLDR	4-UMP	Residual	17206
401	LRGBLDR	5-SC	ID_NUM	-3063144
402	LRGBLDR	5-SC	YEAR	91600
403	LRGBLDR	5-SC	TIME*ID_NUM	-47302
404	LRGBLDR	5-SC	Residual	3147054
405	LRGBLDR	ALL	ID_NUM	-893950
406	LRGBLDR	ALL	YEAR	10334
407	LRGBLDR	ALL	TIME*ID_NUM	-16170
408	LRGBLDR	ALL	Residual	890718

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Obs	Variable	GCG	CovParm	Estimate
409	PCTSNDOR	1-NC	ID_NUM	686.63
410	PCTSNDOR	1-NC	YEAR	31.7166
411	PCTSNDOR	1-NC	TIME*ID_NUM	0.02311
412	PCTSNDOR	1-NC	Residual	57.7976
413	PCTSNDOR	2-MC	ID_NUM	326.80
414	PCTSNDOR	2-MC	YEAR	29.1145
415	PCTSNDOR	2-MC	TIME*ID_NUM	0.1555
416	PCTSNDOR	2-MC	Residual	80.8349
417	PCTSNDOR	3-MS	ID_NUM	734.79
418	PCTSNDOR	3-MS	YEAR	6.6659
419	PCTSNDOR	3-MS	TIME*ID_NUM	-0.01548
420	PCTSNDOR	3-MS	Residual	82.0857
421	PCTSNDOR	4-UMP	ID_NUM	378.14
422	PCTSNDOR	4-UMP	YEAR	4.0924
423	PCTSNDOR	4-UMP	TIME*ID_NUM	0.9713
424	PCTSNDOR	4-UMP	Residual	81.4429
425	PCTSNDOR	5-SC	ID_NUM	298.51
426	PCTSNDOR	5-SC	YEAR	8.2057
427	PCTSNDOR	5-SC	TIME*ID_NUM	-0.1227
428	PCTSNDOR	5-SC	Residual	66.2089
429	PCTSNDOR	ALL	ID_NUM	505.44
430	PCTSNDOR	ALL	YEAR	1.4585
431	PCTSNDOR	ALL	TIME*ID_NUM	0.4290
432	PCTSNDOR	ALL	Residual	86.8480
433	PCTGRAVEL	1-NC	ID_NUM	92.6084
434	PCTGRAVEL	1-NC	YEAR	13.1458

435	PCTGRAVEL	1-NC	TIME*ID_NUM	0.1184
436	PCTGRAVEL	1-NC	Residual	62.9100
437	PCTGRAVEL	2-MC	ID_NUM	279.96
438	PCTGRAVEL	2-MC	YEAR	16.3081
439	PCTGRAVEL	2-MC	TIME*ID_NUM	1.1136
440	PCTGRAVEL	2-MC	Residual	95.7531
441	PCTGRAVEL	3-MS	ID_NUM	199.87
442	PCTGRAVEL	3-MS	YEAR	11.4802
443	PCTGRAVEL	3-MS	TIME*ID_NUM	-0.3043
444	PCTGRAVEL	3-MS	Residual	93.2701
445	PCTGRAVEL	4-UMP	ID_NUM	137.19
446	PCTGRAVEL	4-UMP	YEAR	12.4468
447	PCTGRAVEL	4-UMP	TIME*ID_NUM	0.1280
448	PCTGRAVEL	4-UMP	Residual	48.6354
449	PCTGRAVEL	5-SC	ID_NUM	134.09
450	PCTGRAVEL	5-SC	YEAR	-0.7238
451	PCTGRAVEL	5-SC	TIME*ID_NUM	0.1552
452	PCTGRAVEL	5-SC	Residual	51.3344
453	PCTGRAVEL	ALL	ID_NUM	176.08
454	PCTGRAVEL	ALL	YEAR	2.1814
455	PCTGRAVEL	ALL	TIME*ID_NUM	0.4061
456	PCTGRAVEL	ALL	Residual	75.9592
457	PCTBEDROCK	1-NC	ID_NUM	96.7902
458	PCTBEDROCK	1-NC	YEAR	-0.4979
459	PCTBEDROCK	1-NC	TIME*ID_NUM	0.1755

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Obs	Variable	GCG	CovParm	Estimate
460	PCTBEDROCK	1-NC	Residual	11.2393
461	PCTBEDROCK	2-MC	ID_NUM	302.66
462	PCTBEDROCK	2-MC	YEAR	0.6552
463	PCTBEDROCK	2-MC	TIME*ID_NUM	0.2092
464	PCTBEDROCK	2-MC	Residual	17.2992
465	PCTBEDROCK	3-MS	ID_NUM	237.81
466	PCTBEDROCK	3-MS	YEAR	-0.7078
467	PCTBEDROCK	3-MS	TIME*ID_NUM	-0.02986
468	PCTBEDROCK	3-MS	Residual	21.0421
469	PCTBEDROCK	4-UMP	ID_NUM	252.94
470	PCTBEDROCK	4-UMP	YEAR	0.006188
471	PCTBEDROCK	4-UMP	TIME*ID_NUM	1.0296
472	PCTBEDROCK	4-UMP	Residual	29.3507
473	PCTBEDROCK	5-SC	ID_NUM	108.66
474	PCTBEDROCK	5-SC	YEAR	1.9779
475	PCTBEDROCK	5-SC	TIME*ID_NUM	0.2848
476	PCTBEDROCK	5-SC	Residual	12.1002
477	PCTBEDROCK	ALL	ID_NUM	193.84
478	PCTBEDROCK	ALL	YEAR	0.2099
479	PCTBEDROCK	ALL	TIME*ID_NUM	0.3353
480	PCTBEDROCK	ALL	Residual	17.7175
481	POOL1P_KM	1-NC	ID_NUM	16.6593
482	POOL1P_KM	1-NC	YEAR	0.007754
483	POOL1P_KM	1-NC	TIME*ID_NUM	0.1634
484	POOL1P_KM	1-NC	Residual	3.4766
485	POOL1P_KM	2-MC	ID_NUM	6.4081

486	POOL1P_KM	2-MC	YEAR	0.06352
487	POOL1P_KM	2-MC	TIME*ID_NUM	0.01073
488	POOL1P_KM	2-MC	Residual	1.3707
489	POOL1P_KM	3-MS	ID_NUM	2.6664
490	POOL1P_KM	3-MS	YEAR	-0.1684
491	POOL1P_KM	3-MS	TIME*ID_NUM	-0.05738
492	POOL1P_KM	3-MS	Residual	3.4316
493	POOL1P_KM	4-UMP	ID_NUM	5.4390
494	POOL1P_KM	4-UMP	YEAR	0.05578
495	POOL1P_KM	4-UMP	TIME*ID_NUM	0.005787
496	POOL1P_KM	4-UMP	Residual	0.8167
497	POOL1P_KM	5-SC	ID_NUM	5.6833
498	POOL1P_KM	5-SC	YEAR	-0.01539
499	POOL1P_KM	5-SC	TIME*ID_NUM	0.01324
500	POOL1P_KM	5-SC	Residual	1.3784
501	POOL1P_KM	ALL	ID_NUM	7.6876
502	POOL1P_KM	ALL	YEAR	-0.01107
503	POOL1P_KM	ALL	TIME*ID_NUM	0.03063
504	POOL1P_KM	ALL	Residual	2.0535
505	CWPOOL	1-NC	ID_NUM	-69.4232
506	CWPOOL	1-NC	YEAR	20.4000
507	CWPOOL	1-NC	TIME*ID_NUM	10.4127
508	CWPOOL	1-NC	Residual	246.57
509	CWPOOL	2-MC	ID_NUM	1389.71
510	CWPOOL	2-MC	YEAR	-1.2895

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Obs	Variable	GCG	CovParm	Estimate
511	CWPOOL	2-MC	TIME*ID_NUM	16.4486
512	CWPOOL	2-MC	Residual	85.6465
513	CWPOOL	3-MS	ID_NUM	3280.99
514	CWPOOL	3-MS	YEAR	-9.9799
515	CWPOOL	3-MS	TIME*ID_NUM	44.6493
516	CWPOOL	3-MS	Residual	367.26
517	CWPOOL	4-UMP	ID_NUM	194.23
518	CWPOOL	4-UMP	YEAR	164.16
519	CWPOOL	4-UMP	TIME*ID_NUM	9.2517
520	CWPOOL	4-UMP	Residual	590.15
521	CWPOOL	5-SC	ID_NUM	1902.25
522	CWPOOL	5-SC	YEAR	37.3682
523	CWPOOL	5-SC	TIME*ID_NUM	42.9896
524	CWPOOL	5-SC	Residual	638.58
525	CWPOOL	ALL	ID_NUM	1303.15
526	CWPOOL	ALL	YEAR	17.1658
527	CWPOOL	ALL	TIME*ID_NUM	25.6460
528	CWPOOL	ALL	Residual	426.40
529	PCTSHADE	1-NC	ID_NUM	110.92
530	PCTSHADE	1-NC	YEAR	30.3790
531	PCTSHADE	1-NC	TIME*ID_NUM	-1.1236
532	PCTSHADE	1-NC	Residual	109.03
533	PCTSHADE	2-MC	ID_NUM	86.7637
534	PCTSHADE	2-MC	YEAR	3.7177
535	PCTSHADE	2-MC	TIME*ID_NUM	0.7280
536	PCTSHADE	2-MC	Residual	61.6264

537	PCTSHADE	3-MS	ID_NUM	380.74
538	PCTSHADE	3-MS	YEAR	8.6018
539	PCTSHADE	3-MS	TIME*ID_NUM	0.7147
540	PCTSHADE	3-MS	Residual	60.0560
541	PCTSHADE	4-UMP	ID_NUM	93.7306
542	PCTSHADE	4-UMP	YEAR	17.3307
543	PCTSHADE	4-UMP	TIME*ID_NUM	-0.5765
544	PCTSHADE	4-UMP	Residual	114.85
545	PCTSHADE	5-SC	ID_NUM	286.36
546	PCTSHADE	5-SC	YEAR	14.6926
547	PCTSHADE	5-SC	TIME*ID_NUM	0.1579
548	PCTSHADE	5-SC	Residual	65.7479
549	PCTSHADE	ALL	ID_NUM	203.99
550	PCTSHADE	ALL	YEAR	8.1849
551	PCTSHADE	ALL	TIME*ID_NUM	0.3943
552	PCTSHADE	ALL	Residual	88.1922
553	PCTEROSION	1-NC	ID_NUM	169.04
554	PCTEROSION	1-NC	YEAR	124.58
555	PCTEROSION	1-NC	TIME*ID_NUM	-1.6906
556	PCTEROSION	1-NC	Residual	297.19
557	PCTEROSION	2-MC	ID_NUM	-53.4767
558	PCTEROSION	2-MC	YEAR	19.8288
559	PCTEROSION	2-MC	TIME*ID_NUM	-0.1232
560	PCTEROSION	2-MC	Residual	93.5693
561	PCTEROSION	3-MS	ID_NUM	44.7931

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Obs	Variable	GCG	CovParm	Estimate
562	PCTEROSION	3-MS	YEAR	3.3160
563	PCTEROSION	3-MS	TIME*ID_NUM	1.4678
564	PCTEROSION	3-MS	Residual	49.0242
565	PCTEROSION	4-UMP	ID_NUM	-20.7115
566	PCTEROSION	4-UMP	YEAR	-1.3027
567	PCTEROSION	4-UMP	TIME*ID_NUM	-2.6548
568	PCTEROSION	4-UMP	Residual	122.89
569	PCTEROSION	5-SC	ID_NUM	8.2846
570	PCTEROSION	5-SC	YEAR	27.4430
571	PCTEROSION	5-SC	TIME*ID_NUM	-0.9118
572	PCTEROSION	5-SC	Residual	98.2151
573	PCTEROSION	ALL	ID_NUM	106.21
574	PCTEROSION	ALL	YEAR	6.3327
575	PCTEROSION	ALL	TIME*ID_NUM	-0.1700
576	PCTEROSION	ALL	Residual	163.21
577	PCTUNDERC	1-NC	ID_NUM	27.6120
578	PCTUNDERC	1-NC	YEAR	3.2017
579	PCTUNDERC	1-NC	TIME*ID_NUM	0.3241
580	PCTUNDERC	1-NC	Residual	28.6761
581	PCTUNDERC	2-MC	ID_NUM	-16.7917
582	PCTUNDERC	2-MC	YEAR	6.8780
583	PCTUNDERC	2-MC	TIME*ID_NUM	-0.4819
584	PCTUNDERC	2-MC	Residual	32.0758
585	PCTUNDERC	3-MS	ID_NUM	8.6698
586	PCTUNDERC	3-MS	YEAR	6.4719
587	PCTUNDERC	3-MS	TIME*ID_NUM	-0.1364

588	PCTUNDERC	3-MS	Residual	37.0921
589	PCTUNDERC	4-UMP	ID_NUM	30.2610
590	PCTUNDERC	4-UMP	YEAR	2.1673
591	PCTUNDERC	4-UMP	TIME*ID_NUM	-0.02059
592	PCTUNDERC	4-UMP	Residual	19.4980
593	PCTUNDERC	5-SC	ID_NUM	16.1953
594	PCTUNDERC	5-SC	YEAR	0.7716
595	PCTUNDERC	5-SC	TIME*ID_NUM	-0.04739
596	PCTUNDERC	5-SC	Residual	26.8517
597	PCTUNDERC	ALL	ID_NUM	14.1967
598	PCTUNDERC	ALL	YEAR	0.9495
599	PCTUNDERC	ALL	TIME*ID_NUM	-0.00578
600	PCTUNDERC	ALL	Residual	31.2810
601	LWDPIECE1	1-NC	ID_NUM	148.79
602	LWDPIECE1	1-NC	YEAR	18.2334
603	LWDPIECE1	1-NC	TIME*ID_NUM	-0.9455
604	LWDPIECE1	1-NC	Residual	138.63
605	LWDPIECE1	2-MC	ID_NUM	56.2895
606	LWDPIECE1	2-MC	YEAR	-0.5423
607	LWDPIECE1	2-MC	TIME*ID_NUM	0.1741
608	LWDPIECE1	2-MC	Residual	16.0651
609	LWDPIECE1	3-MS	ID_NUM	100.89
610	LWDPIECE1	3-MS	YEAR	6.9197
611	LWDPIECE1	3-MS	TIME*ID_NUM	0.1535
612	LWDPIECE1	3-MS	Residual	24.0397

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Obs	Variable	GCG	CovParm	Estimate
613	LWDPIECE1	4-UMP	ID_NUM	84.6659
614	LWDPIECE1	4-UMP	YEAR	0.02313
615	LWDPIECE1	4-UMP	TIME*ID_NUM	-0.03425
616	LWDPIECE1	4-UMP	Residual	14.4113
617	LWDPIECE1	5-SC	ID_NUM	98.1253
618	LWDPIECE1	5-SC	YEAR	2.1411
619	LWDPIECE1	5-SC	TIME*ID_NUM	0.2177
620	LWDPIECE1	5-SC	Residual	25.9512
621	LWDPIECE1	ALL	ID_NUM	116.79
622	LWDPIECE1	ALL	YEAR	2.0542
623	LWDPIECE1	ALL	TIME*ID_NUM	-0.09181
624	LWDPIECE1	ALL	Residual	47.3502
625	LWDVOL1	1-NC	ID_NUM	1532.32
626	LWDVOL1	1-NC	YEAR	111.95
627	LWDVOL1	1-NC	TIME*ID_NUM	16.6383
628	LWDVOL1	1-NC	Residual	458.70
629	LWDVOL1	2-MC	ID_NUM	117.61
630	LWDVOL1	2-MC	YEAR	-2.7513
631	LWDVOL1	2-MC	TIME*ID_NUM	-2.2495
632	LWDVOL1	2-MC	Residual	243.47
633	LWDVOL1	3-MS	ID_NUM	1111.57
634	LWDVOL1	3-MS	YEAR	38.3583
635	LWDVOL1	3-MS	TIME*ID_NUM	-1.2097
636	LWDVOL1	3-MS	Residual	330.30
637	LWDVOL1	4-UMP	ID_NUM	329.02
638	LWDVOL1	4-UMP	YEAR	29.2051

639	LWDVOL1	4-UMP	TIME*ID_NUM	-1.8021
640	LWDVOL1	4-UMP	Residual	121.90
641	LWDVOL1	5-SC	ID_NUM	246.73
642	LWDVOL1	5-SC	YEAR	2.6492
643	LWDVOL1	5-SC	TIME*ID_NUM	-2.1962
644	LWDVOL1	5-SC	Residual	188.07
645	LWDVOL1	ALL	ID_NUM	680.58
646	LWDVOL1	ALL	YEAR	2.0025
647	LWDVOL1	ALL	TIME*ID_NUM	1.1935
648	LWDVOL1	ALL	Residual	297.34
649	KEYLWD1	1-NC	ID_NUM	1.4047
650	KEYLWD1	1-NC	YEAR	0.2700
651	KEYLWD1	1-NC	TIME*ID_NUM	0.009699
652	KEYLWD1	1-NC	Residual	1.0430
653	KEYLWD1	2-MC	ID_NUM	0.3602
654	KEYLWD1	2-MC	YEAR	0.02339
655	KEYLWD1	2-MC	TIME*ID_NUM	-0.00159
656	KEYLWD1	2-MC	Residual	0.6193
657	KEYLWD1	3-MS	ID_NUM	2.7325
658	KEYLWD1	3-MS	YEAR	0.1358
659	KEYLWD1	3-MS	TIME*ID_NUM	-0.02617
660	KEYLWD1	3-MS	Residual	1.4033
661	KEYLWD1	4-UMP	ID_NUM	1.0121
662	KEYLWD1	4-UMP	YEAR	0.1388
663	KEYLWD1	4-UMP	TIME*ID_NUM	-0.00638

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Obs	Variable	GCG	CovParm	Estimate
664	KEYLWD1	4-UMP	Residual	0.5749
665	KEYLWD1	5-SC	ID_NUM	0.8867
666	KEYLWD1	5-SC	YEAR	0.008385
667	KEYLWD1	5-SC	TIME*ID_NUM	0.002046
668	KEYLWD1	5-SC	Residual	0.2379
669	KEYLWD1	ALL	ID_NUM	1.1443
670	KEYLWD1	ALL	YEAR	-0.00001
671	KEYLWD1	ALL	TIME*ID_NUM	-0.00516
672	KEYLWD1	ALL	Residual	0.8389
673	RESIDPD	1-NC	ID_NUM	0.02820
674	RESIDPD	1-NC	YEAR	0.000920
675	RESIDPD	1-NC	TIME*ID_NUM	0.000307
676	RESIDPD	1-NC	Residual	0.01184
677	RESIDPD	2-MC	ID_NUM	0.02168
678	RESIDPD	2-MC	YEAR	0.001348
679	RESIDPD	2-MC	TIME*ID_NUM	-0.00008
680	RESIDPD	2-MC	Residual	0.008422
681	RESIDPD	3-MS	ID_NUM	0.1709
682	RESIDPD	3-MS	YEAR	0.004337
683	RESIDPD	3-MS	TIME*ID_NUM	0.000734
684	RESIDPD	3-MS	Residual	0.04325
685	RESIDPD	4-UMP	ID_NUM	0.05729
686	RESIDPD	4-UMP	YEAR	0.003131
687	RESIDPD	4-UMP	TIME*ID_NUM	0.000042
688	RESIDPD	4-UMP	Residual	0.02068
689	RESIDPD	5-SC	ID_NUM	0.07383

690	RESIDPD	5-SC	YEAR	0.001635
691	RESIDPD	5-SC	TIME*ID_NUM	0.000029
692	RESIDPD	5-SC	Residual	0.009466
693	RESIDPD	ALL	ID_NUM	0.06965
694	RESIDPD	ALL	YEAR	0.001220
695	RESIDPD	ALL	TIME*ID_NUM	0.000185
696	RESIDPD	ALL	Residual	0.01878
697	LRGBLDR1	1-NC	ID_NUM	429.93
698	LRGBLDR1	1-NC	YEAR	289.48
699	LRGBLDR1	1-NC	TIME*ID_NUM	23.8799
700	LRGBLDR1	1-NC	Residual	1033.65
701	LRGBLDR1	2-MC	ID_NUM	696.25
702	LRGBLDR1	2-MC	YEAR	-8.1500
703	LRGBLDR1	2-MC	TIME*ID_NUM	2.3656
704	LRGBLDR1	2-MC	Residual	134.49
705	LRGBLDR1	3-MS	ID_NUM	771.13
706	LRGBLDR1	3-MS	YEAR	59.0116
707	LRGBLDR1	3-MS	TIME*ID_NUM	47.9566
708	LRGBLDR1	3-MS	Residual	574.31
709	LRGBLDR1	4-UMP	ID_NUM	904.08
710	LRGBLDR1	4-UMP	YEAR	29.7344
711	LRGBLDR1	4-UMP	TIME*ID_NUM	7.8712
712	LRGBLDR1	4-UMP	Residual	284.19
713	LRGBLDR1	5-SC	ID_NUM	-28829
714	LRGBLDR1	5-SC	YEAR	1276.30

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Obs	Variable	GCG	CovParm	Estimate
715	LRGBLDR1	5-SC	TIME*ID_NUM	-446.68
716	LRGBLDR1	5-SC	Residual	30097
717	LRGBLDR1	ALL	ID_NUM	-8367.55
718	LRGBLDR1	ALL	YEAR	112.70
719	LRGBLDR1	ALL	TIME*ID_NUM	-156.48
720	LRGBLDR1	ALL	Residual	8820.23
721	CON_20PLUS	1-NC	ID_NUM	1900.58
722	CON_20PLUS	1-NC	YEAR	58.4651
723	CON_20PLUS	1-NC	TIME*ID_NUM	30.1560
724	CON_20PLUS	1-NC	Residual	1082.67
725	CON_20PLUS	2-MC	ID_NUM	-838.05
726	CON_20PLUS	2-MC	YEAR	11.9657
727	CON_20PLUS	2-MC	TIME*ID_NUM	-17.1785
728	CON_20PLUS	2-MC	Residual	2342.43
729	CON_20PLUS	3-MS	ID_NUM	3119.53
730	CON_20PLUS	3-MS	YEAR	-61.8575
731	CON_20PLUS	3-MS	TIME*ID_NUM	21.2890
732	CON_20PLUS	3-MS	Residual	1080.19
733	CON_20PLUS	4-UMP	ID_NUM	2953.62
734	CON_20PLUS	4-UMP	YEAR	1075.10
735	CON_20PLUS	4-UMP	TIME*ID_NUM	-117.38
736	CON_20PLUS	4-UMP	Residual	5858.41
737	CON_20PLUS	5-SC	ID_NUM	6674.54
738	CON_20PLUS	5-SC	YEAR	-18.8818
739	CON_20PLUS	5-SC	TIME*ID_NUM	60.9456
740	CON_20PLUS	5-SC	Residual	1495.30

741	CON_20PLUS	ALL	ID_NUM	3850.05
742	CON_20PLUS	ALL	YEAR	44.1762
743	CON_20PLUS	ALL	TIME*ID_NUM	3.4793
744	CON_20PLUS	ALL	Residual	2408.29
745	CON_36PLUS	1-NC	ID_NUM	73.8936
746	CON_36PLUS	1-NC	YEAR	8.3725
747	CON_36PLUS	1-NC	TIME*ID_NUM	-2.9616
748	CON_36PLUS	1-NC	Residual	243.58
749	CON_36PLUS	2-MC	ID_NUM	-193.70
750	CON_36PLUS	2-MC	YEAR	43.8448
751	CON_36PLUS	2-MC	TIME*ID_NUM	-4.2001
752	CON_36PLUS	2-MC	Residual	374.82
753	CON_36PLUS	3-MS	ID_NUM	1099.76
754	CON_36PLUS	3-MS	YEAR	-3.0015
755	CON_36PLUS	3-MS	TIME*ID_NUM	11.7233
756	CON_36PLUS	3-MS	Residual	149.03
757	CON_36PLUS	4-UMP	ID_NUM	1370.04
758	CON_36PLUS	4-UMP	YEAR	70.1661
759	CON_36PLUS	4-UMP	TIME*ID_NUM	0.1262
760	CON_36PLUS	4-UMP	Residual	858.80
761	CON_36PLUS	5-SC	ID_NUM	1790.54
762	CON_36PLUS	5-SC	YEAR	2.6820
763	CON_36PLUS	5-SC	TIME*ID_NUM	11.3988
764	CON_36PLUS	5-SC	Residual	392.62
765	CON_36PLUS	ALL	ID_NUM	988.42

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Obs	Variable	GCG	CovParm	Estimate
766	CON_36PLUS	ALL	YEAR	4.2813
767	CON_36PLUS	ALL	TIME*ID_NUM	4.6970
768	CON_36PLUS	ALL	Residual	417.28
769	BVR_DAM	1-NC	ID_NUM	2.0664
770	BVR_DAM	1-NC	YEAR	0.5518
771	BVR_DAM	1-NC	TIME*ID_NUM	0.02091
772	BVR_DAM	1-NC	Residual	4.0321
773	BVR_DAM	2-MC	ID_NUM	0.3405
774	BVR_DAM	2-MC	YEAR	0.05835
775	BVR_DAM	2-MC	TIME*ID_NUM	0.04102
776	BVR_DAM	2-MC	Residual	0.9499
777	BVR_DAM	3-MS	ID_NUM	-0.7035
778	BVR_DAM	3-MS	YEAR	-0.04719
779	BVR_DAM	3-MS	TIME*ID_NUM	-0.00044
780	BVR_DAM	3-MS	Residual	2.0925
781	BVR_DAM	4-UMP	ID_NUM	-0.03240
782	BVR_DAM	4-UMP	YEAR	0.03509
783	BVR_DAM	4-UMP	TIME*ID_NUM	0.006140
784	BVR_DAM	4-UMP	Residual	0.1383
785	BVR_DAM	5-SC	ID_NUM	-0.04073
786	BVR_DAM	5-SC	YEAR	-0.00042
787	BVR_DAM	5-SC	TIME*ID_NUM	0.000564
788	BVR_DAM	5-SC	Residual	0.06367
789	BVR_DAM	ALL	ID_NUM	0.4523
790	BVR_DAM	ALL	YEAR	0.000362
791	BVR_DAM	ALL	TIME*ID_NUM	0.009662

ESTIMATES OF SLOPES AND ALLIED QUANTITIES

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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
1	PRICHNLL	1-NC	Intercept	740.85	24.5486	8	30.18	<.0001	0.05	684.24	797.45
2	PRICHNLL	1-NC	TIME	9.8871	3.2546	59	3.04	0.0035	0.05	3.3746	16.3995
3	PRICHNLL	2-MC	Intercept	791.14	27.3982	8	28.88	<.0001	0.05	727.96	854.33
4	PRICHNLL	2-MC	TIME	10.3015	3.6165	49	2.85	0.0064	0.05	3.0337	17.5692
5	PRICHNLL	3-MS	Intercept	674.39	28.1792	8	23.93	<.0001	0.05	609.40	739.37
6	PRICHNLL	3-MS	TIME	10.8954	4.0776	57	2.67	0.0098	0.05	2.7302	19.0606
7	PRICHNLL	4-UMP	Intercept	678.35	25.9429	8	26.15	<.0001	0.05	618.52	738.17
8	PRICHNLL	4-UMP	TIME	6.0130	3.3237	54	1.81	0.0760	0.05	-0.6506	12.6767
9	PRICHNLL	5-SC	Intercept	611.70	17.6137	8	34.73	<.0001	0.05	571.09	652.32
10	PRICHNLL	5-SC	TIME	-0.5312	1.2743	72	-0.42	0.6780	0.05	-3.0714	2.0091
11	PRICHNLL	ALL	Intercept	707.67	13.5073	8	52.39	<.0001	0.05	676.52	738.82
12	PRICHNLL	ALL	TIME	6.4917	1.8223	295	3.56	0.0004	0.05	2.9054	10.0780
13	SECCHNLL	1-NC	Intercept	91.6809	16.6781	8	5.50	0.0006	0.05	53.2211	130.14
14	SECCHNLL	1-NC	TIME	-0.8960	2.3231	58	-0.39	0.7011	0.05	-5.5461	3.7541
15	SECCHNLL	2-MC	Intercept	112.21	6.3545	8	17.66	<.0001	0.05	97.5524	126.86
16	SECCHNLL	2-MC	TIME	-5.9638	0.1269	49	-47.01	<.0001	0.05	-6.2187	-5.7088
17	SECCHNLL	3-MS	Intercept	48.0330	9.8050	8	4.90	0.0012	0.05	25.4227	70.6433
18	SECCHNLL	3-MS	TIME	0.9611	1.4440	57	0.67	0.5084	0.05	-1.9305	3.8526
19	SECCHNLL	4-UMP	Intercept	19.2901	4.0754	8	4.73	0.0015	0.05	9.8921	28.6880
20	SECCHNLL	4-UMP	TIME	4.2726	0.6121	54	6.98	<.0001	0.05	3.0454	5.4998
21	SECCHNLL	5-SC	Intercept	54.1971	15.2298	8	3.56	0.0074	0.05	19.0771	89.3171
22	SECCHNLL	5-SC	TIME	-0.5632	1.9893	71	-0.28	0.7779	0.05	-4.5298	3.4033
23	SECCHNLL	ALL	Intercept	57.6962	5.2440	8	11.00	<.0001	0.05	45.6035	69.7889
24	SECCHNLL	ALL	TIME	0.8164	0.7022	293	1.16	0.2459	0.05	-0.5656	2.1984
25	PRICHNAREA	1-NC	Intercept	4305.79	165.39	8	26.03	<.0001	0.05	3924.41	4687.17
26	PRICHNAREA	1-NC	TIME	2.8782	13.0799	59	0.22	0.8266	0.05	-23.2946	29.0511
27	PRICHNAREA	2-MC	Intercept	4059.52	325.16	8	12.48	<.0001	0.05	3309.70	4809.34
28	PRICHNAREA	2-MC	TIME	9.9467	0.4770	49	20.85	<.0001	0.05	8.9881	10.9054
29	PRICHNAREA	3-MS	Intercept	3591.61	594.85	8	6.04	0.0003	0.05	2219.89	4963.33
30	PRICHNAREA	3-MS	TIME	-9.2113	66.4990	57	-0.14	0.8903	0.05	-142.37	123.95
31	PRICHNAREA	4-UMP	Intercept	2698.63	212.91	8	12.67	<.0001	0.05	2207.65	3189.61
32	PRICHNAREA	4-UMP	TIME	48.2258	18.1846	54	2.65	0.0105	0.05	11.7680	84.6837
33	PRICHNAREA	5-SC	Intercept	2407.91	195.67	8	12.31	<.0001	0.05	1956.69	2859.12
34	PRICHNAREA	5-SC	TIME	-0.8310	16.7108	72	-0.05	0.9605	0.05	-34.1434	32.4814
35	PRICHNAREA	ALL	Intercept	3530.19	125.09	8	28.22	<.0001	0.05	3241.72	3818.66
36	PRICHNAREA	ALL	TIME	3.5784	10.0255	295	0.36	0.7214	0.05	-16.1522	23.3090
37	SECCHNAREA	1-NC	Intercept	289.64	56.5313	8	5.12	0.0009	0.05	159.28	420.00
38	SECCHNAREA	1-NC	TIME	-1.3910	8.9582	58	-0.16	0.8771	0.05	-19.3226	16.5407
39	SECCHNAREA	2-MC	Intercept	67.3579	35.9298	8	1.87	0.0977	0.05	-15.4965	150.21
40	SECCHNAREA	2-MC	TIME	13.3121	1.5310	49	8.70	<.0001	0.05	10.2355	16.3887
41	SECCHNAREA	3-MS	Intercept	93.7026	20.3051	8	4.61	0.0017	0.05	46.8790	140.53
42	SECCHNAREA	3-MS	TIME	6.5091	2.9100	57	2.24	0.0292	0.05	0.6819	12.3363
43	SECCHNAREA	4-UMP	Intercept	37.6012	20.7218	8	1.81	0.1071	0.05	-10.1835	85.3858
44	SECCHNAREA	4-UMP	TIME	13.8251	3.1679	54	4.36	<.0001	0.05	7.4738	20.1765
45	SECCHNAREA	5-SC	Intercept	154.97	77.9751	8	1.99	0.0821	0.05	-24.8390	334.78
46	SECCHNAREA	5-SC	TIME	0.1408	7.5533	71	0.02	0.9852	0.05	-14.9200	15.2016
47	SECCHNAREA	ALL	Intercept	149.84	31.9796	8	4.69	0.0016	0.05	76.0970	223.59
48	SECCHNAREA	ALL	TIME	4.2599	4.1634	293	1.02	0.3071	0.05	-3.9340	12.4537
49	PCTSCCHNLA	1-NC	Intercept	6.3442	0.9997	8	6.35	0.0002	0.05	4.0388	8.6496
50	PCTSCCHNLA	1-NC	TIME	-0.4256	0.3010	58	-1.41	0.1628	0.05	-1.0282	0.1771

51	PCTSCCHNLA	2-MC	Intercept	2.3830	0.2233	8	10.67	<.0001	0.05	1.8681	2.8979
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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
52	PCTSCCHNLA	2-MC	TIME	0.2966	0.01311	49	22.63	<.0001	0.05	0.2703	0.3230
53	PCTSCCHNLA	3-MS	Intercept	3.3406	0.6402	8	5.22	0.0008	0.05	1.8645	4.8168
54	PCTSCCHNLA	3-MS	TIME	0.03159	0.09206	57	0.34	0.7327	0.05	-0.1527	0.2159
55	PCTSCCHNLA	4-UMP	Intercept	-2.1468	0.07883	8	-27.23	<.0001	0.05	-2.3286	-1.9650
56	PCTSCCHNLA	4-UMP	TIME	1.4974	0.008500	54	176.16	<.0001	0.05	1.4804	1.5144
57	PCTSCCHNLA	5-SC	Intercept	2.8901	1.0884	8	2.66	0.0290	0.05	0.3802	5.4000
58	PCTSCCHNLA	5-SC	TIME	0.1239	0.02775	71	4.47	<.0001	0.05	0.06860	0.1793
59	PCTSCCHNLA	ALL	Intercept	3.3196	0.3626	8	9.15	<.0001	0.05	2.4834	4.1558
60	PCTSCCHNLA	ALL	TIME	0.2794	0.02531	293	11.04	<.0001	0.05	0.2295	0.3292
61	GRADIENT	1-NC	Intercept	4.3382	0.3739	8	11.60	<.0001	0.05	3.4760	5.2004
62	GRADIENT	1-NC	TIME	-0.03618	0.04514	59	-0.80	0.4261	0.05	-0.1265	0.05415
63	GRADIENT	2-MC	Intercept	4.3124	0.2682	8	16.08	<.0001	0.05	3.6938	4.9309
64	GRADIENT	2-MC	TIME	-0.03365	0.02932	49	-1.15	0.2566	0.05	-0.09256	0.02526
65	GRADIENT	3-MS	Intercept	5.0057	0.5885	8	8.51	<.0001	0.05	3.6485	6.3629
66	GRADIENT	3-MS	TIME	-0.02843	0.07269	57	-0.39	0.6971	0.05	-0.1740	0.1171
67	GRADIENT	4-UMP	Intercept	6.5641	0.7407	8	8.86	<.0001	0.05	4.8560	8.2723
68	GRADIENT	4-UMP	TIME	-0.1021	0.1036	54	-0.99	0.3286	0.05	-0.3098	0.1056
69	GRADIENT	5-SC	Intercept	8.8008	0.5515	8	15.96	<.0001	0.05	7.5290	10.0727
70	GRADIENT	5-SC	TIME	-0.1032	0.05370	72	-1.92	0.0586	0.05	-0.2102	0.003869
71	GRADIENT	ALL	Intercept	5.7317	0.2270	8	25.25	<.0001	0.05	5.2082	6.2552
72	GRADIENT	ALL	TIME	-0.06223	0.02634	295	-2.36	0.0188	0.05	-0.1141	-0.01038
73	VWIRCH	1-NC	Intercept	7.3591	1.5520	8	4.74	0.0015	0.05	3.7801	10.9381
74	VWIRCH	1-NC	TIME	-0.1024	0.3861	59	-0.27	0.7917	0.05	-0.8750	0.6702
75	VWIRCH	2-MC	Intercept	6.4409	0.4008	8	16.07	<.0001	0.05	5.5167	7.3651
76	VWIRCH	2-MC	TIME	-2.5955	0.3786	49	-6.85	<.0001	0.05	-3.3563	-1.8346
77	VWIRCH	3-MS	Intercept	4.5507	0.5301	8	8.59	<.0001	0.05	3.3284	5.7730
78	VWIRCH	3-MS	TIME	0.1659	0.06742	57	2.46	0.0169	0.05	0.03087	0.3009
79	VWIRCH	4-UMP	Intercept	4.2454	0.09293	8	45.69	<.0001	0.05	4.0312	4.4597
80	VWIRCH	4-UMP	TIME	0.5301	0.1110	54	4.78	<.0001	0.05	0.3076	0.7526
81	VWIRCH	5-SC	Intercept	1.5496	0.1053	8	14.72	<.0001	0.05	1.3068	1.7923
82	VWIRCH	5-SC	TIME	0.5352	0.06825	72	7.84	<.0001	0.05	0.3991	0.6712
83	VWIRCH	ALL	Intercept	9.0411	0.02441	8	370.44	<.0001	0.05	8.9848	9.0974
84	VWIRCH	ALL	TIME	-0.5672	0.006254	295	-90.69	<.0001	0.05	-0.5795	-0.5549
85	WIDTH	1-NC	Intercept	4.8594	0.1133	8	42.90	<.0001	0.05	4.5981	5.1206
86	WIDTH	1-NC	TIME	-0.05521	0.005212	59	-10.59	<.0001	0.05	-0.06564	-0.04478
87	WIDTH	2-MC	Intercept	3.5891	0.5378	8	6.67	0.0002	0.05	2.3489	4.8293
88	WIDTH	2-MC	TIME	0.03017	0.004397	49	6.86	<.0001	0.05	0.02133	0.03900
89	WIDTH	3-MS	Intercept	3.9734	0.3715	8	10.70	<.0001	0.05	3.1168	4.8300
90	WIDTH	3-MS	TIME	-0.06027	0.03501	57	-1.72	0.0906	0.05	-0.1304	0.009842
91	WIDTH	4-UMP	Intercept	0.8244	0.1596	8	5.17	0.0009	0.05	0.4565	1.1923
92	WIDTH	4-UMP	TIME	0.3995	0.01003	54	39.85	<.0001	0.05	0.3794	0.4196
93	WIDTH	5-SC	Intercept	3.3651	0.1594	8	21.11	<.0001	0.05	2.9975	3.7327
94	WIDTH	5-SC	TIME	-0.00672	0.01818	72	-0.37	0.7127	0.05	-0.04297	0.02952
95	WIDTH	ALL	Intercept	3.9767	0.09409	8	42.26	<.0001	0.05	3.7597	4.1937
96	WIDTH	ALL	TIME	-0.02620	0.000080	295	-327.74	<.0001	0.05	-0.02636	-0.02605
97	ACW	1-NC	Intercept	9.8298	0.7743	8	12.70	<.0001	0.05	8.0442	11.6153
98	ACW	1-NC	TIME	-0.1142	0.1152	59	-0.99	0.3259	0.05	-0.3448	0.1164
99	ACW	2-MC	Intercept	8.1193	0.5230	8	15.52	<.0001	0.05	6.9133	9.3253
100	ACW	2-MC	TIME	-0.09523	0.04731	49	-2.01	0.0496	0.05	-0.1903	-0.00016
101	ACW	3-MS	Intercept	8.0141	0.9887	8	8.11	<.0001	0.05	5.7341	10.2941

102	ACW	3-MS	TIME	0.001014	0.09792	57	0.01	0.9918	0.05	-0.1951	0.1971
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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
103	ACW	4-UMP	Intercept	6.0884	0.3387	8	17.98	<.0001	0.05	5.3074	6.8693
104	ACW	4-UMP	TIME	0.02575	0.03856	54	0.67	0.5072	0.05	-0.05156	0.1031
105	ACW	5-SC	Intercept	7.4584	0.6046	8	12.34	<.0001	0.05	6.0643	8.8526
106	ACW	5-SC	TIME	-0.1598	0.07231	72	-2.21	0.0303	0.05	-0.3039	-0.01561
107	ACW	ALL	Intercept	7.9184	0.3175	8	24.94	<.0001	0.05	7.1864	8.6505
108	ACW	ALL	TIME	-0.06488	0.03857	295	-1.68	0.0936	0.05	-0.1408	0.01103
109	ACH	1-NC	Intercept	0.6703	0.07050	8	9.51	<.0001	0.05	0.5077	0.8329
110	ACH	1-NC	TIME	-0.02313	0.01043	59	-2.22	0.0305	0.05	-0.04400	-0.00225
111	ACH	2-MC	Intercept	0.5263	0.03196	8	16.47	<.0001	0.05	0.4526	0.6000
112	ACH	2-MC	TIME	-0.00768	0.004381	49	-1.75	0.0858	0.05	-0.01648	0.001123
113	ACH	3-MS	Intercept	0.5957	0.05107	8	11.67	<.0001	0.05	0.4780	0.7135
114	ACH	3-MS	TIME	-0.00573	0.007415	57	-0.77	0.4431	0.05	-0.02058	0.009122
115	ACH	4-UMP	Intercept	0.5138	0.03204	8	16.04	<.0001	0.05	0.4399	0.5876
116	ACH	4-UMP	TIME	-0.00574	0.004533	54	-1.27	0.2105	0.05	-0.01483	0.003344
117	ACH	5-SC	Intercept	0.6762	0.02259	8	29.93	<.0001	0.05	0.6241	0.7283
118	ACH	5-SC	TIME	-0.02134	0.003073	72	-6.94	<.0001	0.05	-0.02747	-0.01521
119	ACH	ALL	Intercept	0.5971	0.01610	8	37.10	<.0001	0.05	0.5600	0.6343
120	ACH	ALL	TIME	-0.01288	0.002310	295	-5.58	<.0001	0.05	-0.01743	-0.00834
121	NOPPOOLS	1-NC	Intercept	16.4727	2.4857	8	6.63	0.0002	0.05	10.7406	22.2047
122	NOPPOOLS	1-NC	TIME	-0.1266	0.3667	59	-0.35	0.7310	0.05	-0.8603	0.6070
123	NOPPOOLS	2-MC	Intercept	19.7107	0.7927	8	24.86	<.0001	0.05	17.8826	21.5387
124	NOPPOOLS	2-MC	TIME	0.1668	0.05032	49	3.31	0.0017	0.05	0.06567	0.2679
125	NOPPOOLS	3-MS	Intercept	13.6673	1.8271	8	7.48	<.0001	0.05	9.4541	17.8805
126	NOPPOOLS	3-MS	TIME	0.3900	0.2564	57	1.52	0.1338	0.05	-0.1234	0.9034
127	NOPPOOLS	4-UMP	Intercept	12.1124	1.8699	8	6.48	0.0002	0.05	7.8005	16.4244
128	NOPPOOLS	4-UMP	TIME	0.3902	0.2709	54	1.44	0.1555	0.05	-0.1529	0.9333
129	NOPPOOLS	5-SC	Intercept	11.5543	1.5249	8	7.58	<.0001	0.05	8.0378	15.0709
130	NOPPOOLS	5-SC	TIME	-0.1258	0.2197	72	-0.57	0.5687	0.05	-0.5638	0.3122
131	NOPPOOLS	ALL	Intercept	14.6947	1.0033	8	14.65	<.0001	0.05	12.3811	17.0083
132	NOPPOOLS	ALL	TIME	0.1263	0.1453	295	0.87	0.3857	0.05	-0.1598	0.4123
133	PCTPOOLS	1-NC	Intercept	33.1876	3.8482	8	8.62	<.0001	0.05	24.3135	42.0616
134	PCTPOOLS	1-NC	TIME	0.2705	0.5660	59	0.48	0.6344	0.05	-0.8621	1.4032
135	PCTPOOLS	2-MC	Intercept	16.1815	0.4502	8	35.94	<.0001	0.05	15.1432	17.2197
136	PCTPOOLS	2-MC	TIME	2.9308	0.06416	49	45.68	<.0001	0.05	2.8018	3.0597
137	PCTPOOLS	3-MS	Intercept	36.9234	4.2454	8	8.70	<.0001	0.05	27.1336	46.7132
138	PCTPOOLS	3-MS	TIME	0.6228	0.6033	57	1.03	0.3063	0.05	-0.5853	1.8309
139	PCTPOOLS	4-UMP	Intercept	26.2618	2.2042	8	11.91	<.0001	0.05	21.1789	31.3446
140	PCTPOOLS	4-UMP	TIME	0.09165	0.2881	54	0.32	0.7516	0.05	-0.4859	0.6692
141	PCTPOOLS	5-SC	Intercept	16.9384	1.7835	8	9.50	<.0001	0.05	12.8258	21.0511
142	PCTPOOLS	5-SC	TIME	0.1568	0.2613	72	0.60	0.5503	0.05	-0.3640	0.6776
143	PCTPOOLS	ALL	Intercept	28.9330	2.0611	8	14.04	<.0001	0.05	24.1801	33.6858
144	PCTPOOLS	ALL	TIME	0.4702	0.2993	295	1.57	0.1173	0.05	-0.1189	1.0592
145	PCTSCPOOL	1-NC	Intercept	23.2799	3.7718	8	6.17	0.0003	0.05	14.5821	31.9777
146	PCTSCPOOL	1-NC	TIME	0.3661	0.5485	59	0.67	0.5070	0.05	-0.7314	1.4637
147	PCTSCPOOL	2-MC	Intercept	26.4784	2.3967	8	11.05	<.0001	0.05	20.9516	32.0053
148	PCTSCPOOL	2-MC	TIME	0.4484	0.3538	49	1.27	0.2110	0.05	-0.2625	1.1593
149	PCTSCPOOL	3-MS	Intercept	29.5480	4.4207	8	6.68	0.0002	0.05	19.3539	39.7421
150	PCTSCPOOL	3-MS	TIME	0.7208	0.6383	57	1.13	0.2635	0.05	-0.5573	1.9989
151	PCTSCPOOL	4-UMP	Intercept	21.2332	2.4266	8	8.75	<.0001	0.05	15.6376	26.8289
152	PCTSCPOOL	4-UMP	TIME	0.3958	0.3466	54	1.14	0.2585	0.05	-0.2991	1.0908

153	PCTSCP00L	5-SC	Intercept	16.3235	1.2384	8	13.18	<.0001	0.05	13.4678	19.1791
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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
154	PCTSCP00L	5-SC	TIME	-0.05097	0.1497	72	-0.34	0.7344	0.05	-0.3493	0.2474
155	PCTSCP00L	ALL	Intercept	23.5587	1.9791	8	11.90	<.0001	0.05	18.9950	28.1224
156	PCTSCP00L	ALL	TIME	0.3632	0.2882	295	1.26	0.2086	0.05	-0.2040	0.9304
157	PCTSWP00L	1-NC	Intercept	8.8330	2.3219	8	3.80	0.0052	0.05	3.4786	14.1874
158	PCTSWP00L	1-NC	TIME	0.09706	0.3630	59	0.27	0.7901	0.05	-0.6292	0.8233
159	PCTSWP00L	2-MC	Intercept	4.7700	1.6238	8	2.94	0.0188	0.05	1.0255	8.5145
160	PCTSWP00L	2-MC	TIME	0.6555	0.3144	49	2.09	0.0423	0.05	0.02377	1.2873
161	PCTSWP00L	3-MS	Intercept	58.5584	0.9617	8	60.89	<.0001	0.05	56.3408	60.7759
162	PCTSWP00L	3-MS	TIME	-7.7310	0.1149	57	-67.31	<.0001	0.05	-7.9610	-7.5010
163	PCTSWP00L	4-UMP	Intercept	4.0091	0.9068	8	4.42	0.0022	0.05	1.9181	6.1001
164	PCTSWP00L	4-UMP	TIME	-0.1700	0.1076	54	-1.58	0.1199	0.05	-0.3857	0.04567
165	PCTSWP00L	5-SC	Intercept	1.3160	0.5154	8	2.55	0.0340	0.05	0.1274	2.5046
166	PCTSWP00L	5-SC	TIME	0.09851	0.1125	72	0.88	0.3840	0.05	-0.1257	0.3227
167	PCTSWP00L	ALL	Intercept	4.9544	0.6321	8	7.84	<.0001	0.05	3.4966	6.4121
168	PCTSWP00L	ALL	TIME	0.1914	0.1005	295	1.90	0.0578	0.05	-0.00637	0.3892
169	SCRPOOLD	1-NC	Intercept	0.6403	0.04641	8	13.80	<.0001	0.05	0.5333	0.7474
170	SCRPOOLD	1-NC	TIME	0.002692	0.006832	56	0.39	0.6951	0.05	-0.01100	0.01638
171	SCRPOOLD	2-MC	Intercept	0.5558	0.04716	8	11.79	<.0001	0.05	0.4471	0.6646
172	SCRPOOLD	2-MC	TIME	0.006121	0.007098	49	0.86	0.3927	0.05	-0.00814	0.02039
173	SCRPOOLD	3-MS	Intercept	0.5473	0.1159	8	4.72	0.0015	0.05	0.2800	0.8145
174	SCRPOOLD	3-MS	TIME	0.01031	0.01682	55	0.61	0.5425	0.05	-0.02341	0.04403
175	SCRPOOLD	4-UMP	Intercept	0.5725	0.04758	8	12.03	<.0001	0.05	0.4628	0.6822
176	SCRPOOLD	4-UMP	TIME	-0.00461	0.006584	54	-0.70	0.4868	0.05	-0.01781	0.008590
177	SCRPOOLD	5-SC	Intercept	0.6319	0.03951	8	15.99	<.0001	0.05	0.5408	0.7230
178	SCRPOOLD	5-SC	TIME	-0.00521	0.004790	63	-1.09	0.2810	0.05	-0.01478	0.004363
179	SCRPOOLD	ALL	Intercept	0.6111	0.03030	8	20.17	<.0001	0.05	0.5412	0.6810
180	SCRPOOLD	ALL	TIME	-0.00183	0.004264	281	-0.43	0.6686	0.05	-0.01022	0.006566
181	RIFFLEDEP	1-NC	Intercept	0.1998	0.02838	8	7.04	0.0001	0.05	0.1343	0.2652
182	RIFFLEDEP	1-NC	TIME	-0.00773	0.004193	53	-1.84	0.0708	0.05	-0.01614	0.000680
183	RIFFLEDEP	2-MC	Intercept	0.1315	0.007139	8	18.42	<.0001	0.05	0.1150	0.1479
184	RIFFLEDEP	2-MC	TIME	0.000834	0.000932	44	0.90	0.3755	0.05	-0.00104	0.002713
185	RIFFLEDEP	3-MS	Intercept	0.1163	0.02919	8	3.98	0.0040	0.05	0.04901	0.1837
186	RIFFLEDEP	3-MS	TIME	-0.00010	0.004277	49	-0.02	0.9807	0.05	-0.00870	0.008491
187	RIFFLEDEP	4-UMP	Intercept	0.1432	0.01357	8	10.55	<.0001	0.05	0.1119	0.1745
188	RIFFLEDEP	4-UMP	TIME	-0.00288	0.001943	53	-1.48	0.1442	0.05	-0.00678	0.001017
189	RIFFLEDEP	5-SC	Intercept	0.1637	0.01450	8	11.29	<.0001	0.05	0.1303	0.1971
190	RIFFLEDEP	5-SC	TIME	-0.00143	0.002020	58	-0.71	0.4826	0.05	-0.00547	0.002616
191	RIFFLEDEP	ALL	Intercept	0.1524	0.01447	8	10.53	<.0001	0.05	0.1191	0.1858
192	RIFFLEDEP	ALL	TIME	-0.00256	0.002122	261	-1.21	0.2291	0.05	-0.00673	0.001620
193	LRGBLDR	1-NC	Intercept	134.84	88.5736	8	1.52	0.1664	0.05	-69.4157	339.09
194	LRGBLDR	1-NC	TIME	19.9363	13.7274	58	1.45	0.1518	0.05	-7.5421	47.4147
195	LRGBLDR	2-MC	Intercept	126.98	13.0655	8	9.72	<.0001	0.05	96.8535	157.11
196	LRGBLDR	2-MC	TIME	10.1339	0.5335	49	18.99	<.0001	0.05	9.0617	11.2060
197	LRGBLDR	3-MS	Intercept	103.27	46.5121	8	2.22	0.0572	0.05	-3.9871	210.53
198	LRGBLDR	3-MS	TIME	29.4351	8.7194	57	3.38	0.0013	0.05	11.9749	46.8953
199	LRGBLDR	4-UMP	Intercept	250.95	36.8135	8	6.82	0.0001	0.05	166.06	335.84
200	LRGBLDR	4-UMP	TIME	-0.8447	5.4127	54	-0.16	0.8766	0.05	-11.6966	10.0071
201	LRGBLDR	5-SC	Intercept	421.95	304.06	8	1.39	0.2026	0.05	-279.20	1123.11
202	LRGBLDR	5-SC	TIME	0	.	.	.	.	.	.	.
203	LRGBLDR	ALL	Intercept	0

204	LRGBLDR	ALL	TIME	ESTIMATES OF SLOPES AND ALLIED QUANTITIES						425	
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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
205	PCTSNDOR	1-NC	Intercept	35.7471	4.0911	8	8.74	<.0001	0.05	26.3130	45.1813
206	PCTSNDOR	1-NC	TIME	-0.9730	0.5634	59	-1.73	0.0894	0.05	-2.1004	0.1544
207	PCTSNDOR	2-MC	Intercept	30.8262	3.8774	8	7.95	<.0001	0.05	21.8849	39.7675
208	PCTSNDOR	2-MC	TIME	0.05931	0.5546	49	0.11	0.9153	0.05	-1.0552	1.1738
209	PCTSNDOR	3-MS	Intercept	28.2824	2.7439	8	10.31	<.0001	0.05	21.9549	34.6099
210	PCTSNDOR	3-MS	TIME	1.1358	0.3242	57	3.50	0.0009	0.05	0.4867	1.7850
211	PCTSNDOR	4-UMP	Intercept	27.0056	2.3092	8	11.69	<.0001	0.05	21.6807	32.3306
212	PCTSNDOR	4-UMP	TIME	-0.04824	0.3060	54	-0.16	0.8753	0.05	-0.6617	0.5652
213	PCTSNDOR	5-SC	Intercept	21.9570	2.3428	8	9.37	<.0001	0.05	16.5545	27.3596
214	PCTSNDOR	5-SC	TIME	0.2073	0.3038	72	0.68	0.4972	0.05	-0.3983	0.8128
215	PCTSNDOR	ALL	Intercept	29.1596	1.1610	8	25.12	<.0001	0.05	26.4824	31.8369
216	PCTSNDOR	ALL	TIME	0.02846	0.1498	295	0.19	0.8494	0.05	-0.2663	0.3232
217	PCTGRAVEL	1-NC	Intercept	24.0763	2.5973	8	9.27	<.0001	0.05	18.0870	30.0656
218	PCTGRAVEL	1-NC	TIME	0.9575	0.3784	59	2.53	0.0141	0.05	0.2004	1.7147
219	PCTGRAVEL	2-MC	Intercept	33.5965	3.1628	8	10.62	<.0001	0.05	26.3031	40.8898
220	PCTGRAVEL	2-MC	TIME	-0.2982	0.4568	49	-0.65	0.5170	0.05	-1.2162	0.6199
221	PCTGRAVEL	3-MS	Intercept	31.1609	2.6808	8	11.62	<.0001	0.05	24.9791	37.3427
222	PCTGRAVEL	3-MS	TIME	-0.4980	0.3727	57	-1.34	0.1868	0.05	-1.2444	0.2484
223	PCTGRAVEL	4-UMP	Intercept	26.7570	2.5997	8	10.29	<.0001	0.05	20.7621	32.7520
224	PCTGRAVEL	4-UMP	TIME	0.03563	0.3705	54	0.10	0.9237	0.05	-0.7071	0.7784
225	PCTGRAVEL	5-SC	Intercept	26.9074	0.9736	8	27.64	<.0001	0.05	24.6623	29.1525
226	PCTGRAVEL	5-SC	TIME	-0.05833	0.09842	72	-0.59	0.5552	0.05	-0.2545	0.1379
227	PCTGRAVEL	ALL	Intercept	28.3051	1.1479	8	24.66	<.0001	0.05	25.6580	30.9523
228	PCTGRAVEL	ALL	TIME	0.06368	0.1636	295	0.39	0.6974	0.05	-0.2584	0.3857
229	PCTBEDROCK	1-NC	Intercept	4.0961	0.5385	8	7.61	<.0001	0.05	2.8544	5.3378
230	PCTBEDROCK	1-NC	TIME	0.6662	0.01441	59	46.24	<.0001	0.05	0.6374	0.6950
231	PCTBEDROCK	2-MC	Intercept	9.9498	1.3806	8	7.21	<.0001	0.05	6.7661	13.1335
232	PCTBEDROCK	2-MC	TIME	0.05032	0.1465	49	0.34	0.7328	0.05	-0.2442	0.3448
233	PCTBEDROCK	3-MS	Intercept	10.3160	1.0001	8	10.31	<.0001	0.05	8.0097	12.6223
234	PCTBEDROCK	3-MS	TIME	-0.06734	0.04332	57	-1.55	0.1256	0.05	-0.1541	0.01940
235	PCTBEDROCK	4-UMP	Intercept	13.1771	1.4432	8	9.13	<.0001	0.05	9.8490	16.5052
236	PCTBEDROCK	4-UMP	TIME	0.1521	0.1800	54	0.85	0.4018	0.05	-0.2088	0.5130
237	PCTBEDROCK	5-SC	Intercept	8.3043	1.2382	8	6.71	0.0002	0.05	5.4489	11.1597
238	PCTBEDROCK	5-SC	TIME	0.08916	0.1604	72	0.56	0.5800	0.05	-0.2306	0.4089
239	PCTBEDROCK	ALL	Intercept	9.9673	0.5783	8	17.24	<.0001	0.05	8.6337	11.3008
240	PCTBEDROCK	ALL	TIME	0.04527	0.06922	295	0.65	0.5136	0.05	-0.09095	0.1815
241	POOL1P_KM	1-NC	Intercept	2.9312	0.4007	8	7.32	<.0001	0.05	2.0073	3.8551
242	POOL1P_KM	1-NC	TIME	-0.1311	0.06038	59	-2.17	0.0339	0.05	-0.2519	-0.01030
243	POOL1P_KM	2-MC	Intercept	1.6131	0.2870	8	5.62	0.0005	0.05	0.9513	2.2749
244	POOL1P_KM	2-MC	TIME	0.01352	0.03814	49	0.35	0.7245	0.05	-0.06312	0.09016
245	POOL1P_KM	3-MS	Intercept	1.7905	0.1769	8	10.12	<.0001	0.05	1.3825	2.1986
246	POOL1P_KM	3-MS	TIME	-0.03046	0.01680	57	-1.81	0.0751	0.05	-0.06410	0.003182
247	POOL1P_KM	4-UMP	Intercept	1.5465	0.2564	8	6.03	0.0003	0.05	0.9553	2.1376
248	POOL1P_KM	4-UMP	TIME	-0.03291	0.03245	54	-1.01	0.3150	0.05	-0.09796	0.03214
249	POOL1P_KM	5-SC	Intercept	2.1845	0.1977	8	11.05	<.0001	0.05	1.7287	2.6403
250	POOL1P_KM	5-SC	TIME	-0.04690	0.02091	72	-2.24	0.0280	0.05	-0.08859	-0.00521
251	POOL1P_KM	ALL	Intercept	2.1566	0.09985	8	21.60	<.0001	0.05	1.9263	2.3868
252	POOL1P_KM	ALL	TIME	-0.04317	0.01206	295	-3.58	0.0004	0.05	-0.06690	-0.01944
253	CWPOOL	1-NC	Intercept	7.6120	3.2398	8	2.35	0.0467	0.05	0.1410	15.0831
254	CWPOOL	1-NC	TIME	1.1020	0.5590	58	1.97	0.0535	0.05	-0.01696	2.2210

255	CWPOOL	2-MC	Intercept	14.6260	3.3472	8	4.37	0.0024	0.05	6.9073	22.3446
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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
256	CWPOOL	2-MC	TIME	0.06940	0.5002	49	0.14	0.8902	0.05	-0.9358	1.0746
257	CWPOOL	3-MS	Intercept	22.9771	5.1903	8	4.43	0.0022	0.05	11.0081	34.9460
258	CWPOOL	3-MS	TIME	-0.8277	0.7854	55	-1.05	0.2965	0.05	-2.4016	0.7461
259	CWPOOL	4-UMP	Intercept	17.4942	8.8804	8	1.97	0.0843	0.05	-2.9840	37.9725
260	CWPOOL	4-UMP	TIME	0.6750	1.3296	54	0.51	0.6137	0.05	-1.9907	3.3406
261	CWPOOL	5-SC	Intercept	17.8559	6.2600	8	2.85	0.0214	0.05	3.4204	32.2914
262	CWPOOL	5-SC	TIME	1.6965	1.0057	64	1.69	0.0965	0.05	-0.3128	3.7057
263	CWPOOL	ALL	Intercept	15.8475	3.2620	8	4.86	0.0013	0.05	8.3253	23.3697
264	CWPOOL	ALL	TIME	0.5338	0.4997	284	1.07	0.2863	0.05	-0.4497	1.5174
265	PCTSHADE	1-NC	Intercept	67.9652	3.1343	8	21.68	<.0001	0.05	60.7375	75.1929
266	PCTSHADE	1-NC	TIME	1.8999	0.1689	59	11.25	<.0001	0.05	1.5620	2.2379
267	PCTSHADE	2-MC	Intercept	80.9420	1.7363	8	46.62	<.0001	0.05	76.9382	84.9458
268	PCTSHADE	2-MC	TIME	0.1334	0.2567	49	0.52	0.6057	0.05	-0.3825	0.6493
269	PCTSHADE	3-MS	Intercept	81.6028	2.5984	8	31.41	<.0001	0.05	75.6110	87.5946
270	PCTSHADE	3-MS	TIME	-0.1264	0.3502	57	-0.36	0.7195	0.05	-0.8277	0.5749
271	PCTSHADE	4-UMP	Intercept	75.9038	3.0228	8	25.11	<.0001	0.05	68.9333	82.8743
272	PCTSHADE	4-UMP	TIME	0.7300	0.4301	54	1.70	0.0954	0.05	-0.1322	1.5923
273	PCTSHADE	5-SC	Intercept	81.1023	2.8753	8	28.21	<.0001	0.05	74.4719	87.7328
274	PCTSHADE	5-SC	TIME	-0.4616	0.3949	72	-1.17	0.2463	0.05	-1.2488	0.3256
275	PCTSHADE	ALL	Intercept	79.2759	1.9722	8	40.20	<.0001	0.05	74.7280	83.8239
276	PCTSHADE	ALL	TIME	0.1271	0.2869	295	0.44	0.6580	0.05	-0.4375	0.6917
277	PCTEROSION	1-NC	Intercept	23.8176	7.4339	8	3.20	0.0125	0.05	6.6749	40.9603
278	PCTEROSION	1-NC	TIME	-1.7071	1.0816	57	-1.58	0.1200	0.05	-3.8730	0.4588
279	PCTEROSION	2-MC	Intercept	20.2989	1.6423	8	12.36	<.0001	0.05	16.5117	24.0861
280	PCTEROSION	2-MC	TIME	-1.0737	0.3453	49	-3.11	0.0031	0.05	-1.7676	-0.3799
281	PCTEROSION	3-MS	Intercept	7.1083	1.5919	8	4.47	0.0021	0.05	3.4374	10.7792
282	PCTEROSION	3-MS	TIME	0.1458	0.2531	55	0.58	0.5670	0.05	-0.3614	0.6529
283	PCTEROSION	4-UMP	Intercept	9.1680	0.2258	8	40.61	<.0001	0.05	8.6474	9.6886
284	PCTEROSION	4-UMP	TIME	-0.5212	0.05911	54	-8.82	<.0001	0.05	-0.6397	-0.4027
285	PCTEROSION	5-SC	Intercept	180.02	2.6866	8	67.01	<.0001	0.05	173.82	186.21
286	PCTEROSION	5-SC	TIME	-10.7037	0.5026	71	-21.30	<.0001	0.05	-11.7059	-9.7016
287	PCTEROSION	ALL	Intercept	12.1188	1.7758	8	6.82	0.0001	0.05	8.0238	16.2139
288	PCTEROSION	ALL	TIME	-0.3251	0.2585	290	-1.26	0.2095	0.05	-0.8338	0.1836
289	PCTUNDERC	1-NC	Intercept	9.3613	1.3697	8	6.83	0.0001	0.05	6.2028	12.5198
290	PCTUNDERC	1-NC	TIME	-0.6302	0.2060	58	-3.06	0.0034	0.05	-1.0426	-0.2178
291	PCTUNDERC	2-MC	Intercept	-0.8000	0.7016	8	-1.14	0.2872	0.05	-2.4179	0.8179
292	PCTUNDERC	2-MC	TIME	2.0652	0.3899	49	5.30	<.0001	0.05	1.2817	2.8488
293	PCTUNDERC	3-MS	Intercept	3.1433	1.7839	8	1.76	0.1161	0.05	-0.9703	7.2569
294	PCTUNDERC	3-MS	TIME	0.4806	0.2592	56	1.85	0.0689	0.05	-0.03854	0.9998
295	PCTUNDERC	4-UMP	Intercept	6.3833	1.1665	8	5.47	0.0006	0.05	3.6933	9.0732
296	PCTUNDERC	4-UMP	TIME	-0.1048	0.1644	54	-0.64	0.5266	0.05	-0.4343	0.2248
297	PCTUNDERC	5-SC	Intercept	5.2377	0.8299	8	6.31	0.0002	0.05	3.3239	7.1515
298	PCTUNDERC	5-SC	TIME	-0.3885	0.1140	70	-3.41	0.0011	0.05	-0.6158	-0.1611
299	PCTUNDERC	ALL	Intercept	6.1527	0.6975	8	8.82	<.0001	0.05	4.5442	7.7612
300	PCTUNDERC	ALL	TIME	-0.1228	0.1019	291	-1.21	0.2291	0.05	-0.3233	0.07773
301	LWDPIECE1	1-NC	Intercept	20.8316	3.0284	8	6.88	0.0001	0.05	13.8481	27.8151
302	LWDPIECE1	1-NC	TIME	-0.5214	0.4225	58	-1.23	0.2222	0.05	-1.3671	0.3244
303	LWDPIECE1	2-MC	Intercept	14.5796	0.5692	8	25.61	<.0001	0.05	13.2670	15.8922
304	LWDPIECE1	2-MC	TIME	-0.02252	0.06696	49	-0.34	0.7381	0.05	-0.1571	0.1121
305	LWDPIECE1	3-MS	Intercept	15.8043	1.9659	8	8.04	<.0001	0.05	11.2709	20.3377

306	LWDPIECE1	3-MS	TIME	0.08484	0.2787	57	0.30	0.7619	0.05	-0.4732	0.6429
ESTIMATES OF SLOPES AND ALLIED QUANTITIES											
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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
307	LWDPIECE1	4-UMP	Intercept	15.4348	0.7805	8	19.78	<.0001	0.05	13.6350	17.2346
308	LWDPIECE1	4-UMP	TIME	-0.2800	0.08091	54	-3.46	0.0011	0.05	-0.4422	-0.1177
309	LWDPIECE1	5-SC	Intercept	11.6988	1.3091	8	8.94	<.0001	0.05	8.6800	14.7177
310	LWDPIECE1	5-SC	TIME	-0.2621	0.1738	71	-1.51	0.1361	0.05	-0.6087	0.08452
311	LWDPIECE1	ALL	Intercept	15.9432	1.0453	8	15.25	<.0001	0.05	13.5326	18.3537
312	LWDPIECE1	ALL	TIME	-0.2390	0.1481	293	-1.61	0.1077	0.05	-0.5305	0.05253
313	LWDVOL1	1-NC	Intercept	36.2359	7.9786	8	4.54	0.0019	0.05	17.8373	54.6345
314	LWDVOL1	1-NC	TIME	-1.8517	1.1931	58	-1.55	0.1261	0.05	-4.2400	0.5366
315	LWDVOL1	2-MC	Intercept	23.9825	1.4253	8	16.83	<.0001	0.05	20.6957	27.2693
316	LWDVOL1	2-MC	TIME	-0.4149	0.1231	49	-3.37	0.0015	0.05	-0.6623	-0.1676
317	LWDVOL1	3-MS	Intercept	30.3920	5.1404	8	5.91	0.0004	0.05	18.5381	42.2459
318	LWDVOL1	3-MS	TIME	-1.1331	0.6935	57	-1.63	0.1078	0.05	-2.5219	0.2557
319	LWDVOL1	4-UMP	Intercept	24.3310	3.8689	8	6.29	0.0002	0.05	15.4092	33.2528
320	LWDVOL1	4-UMP	TIME	-0.5928	0.5368	54	-1.10	0.2743	0.05	-1.6689	0.4834
321	LWDVOL1	5-SC	Intercept	18.2271	1.9872	8	9.17	<.0001	0.05	13.6446	22.8095
322	LWDVOL1	5-SC	TIME	-0.5210	0.2175	71	-2.40	0.0192	0.05	-0.9546	-0.08734
323	LWDVOL1	ALL	Intercept	27.0020	1.5453	8	17.47	<.0001	0.05	23.4384	30.5656
324	LWDVOL1	ALL	TIME	-0.9317	0.2099	293	-4.44	<.0001	0.05	-1.3448	-0.5187
325	KEYLWD1	1-NC	Intercept	1.5671	0.3670	8	4.27	0.0027	0.05	0.7209	2.4133
326	KEYLWD1	1-NC	TIME	-0.1135	0.05427	58	-2.09	0.0409	0.05	-0.2222	-0.00488
327	KEYLWD1	2-MC	Intercept	0.9470	0.1378	8	6.87	0.0001	0.05	0.6293	1.2647
328	KEYLWD1	2-MC	TIME	-0.01771	0.01934	49	-0.92	0.3643	0.05	-0.05657	0.02116
329	KEYLWD1	3-MS	Intercept	2.2045	0.2408	8	9.16	<.0001	0.05	1.6493	2.7598
330	KEYLWD1	3-MS	TIME	-0.1947	0.008156	57	-23.87	<.0001	0.05	-0.2110	-0.1783
331	KEYLWD1	4-UMP	Intercept	1.1561	0.2641	8	4.38	0.0024	0.05	0.5471	1.7651
332	KEYLWD1	4-UMP	TIME	-0.04151	0.03729	54	-1.11	0.2705	0.05	-0.1163	0.03324
333	KEYLWD1	5-SC	Intercept	0.8442	0.1046	8	8.07	<.0001	0.05	0.6030	1.0855
334	KEYLWD1	5-SC	TIME	-0.03207	0.01321	71	-2.43	0.0177	0.05	-0.05841	-0.00573
335	KEYLWD1	ALL	Intercept	1.0865	0.05164	8	21.04	<.0001	0.05	0.9675	1.2056
336	KEYLWD1	ALL	TIME	-0.04552	0.005512	293	-8.26	<.0001	0.05	-0.05637	-0.03468
337	RESIDPD	1-NC	Intercept	0.4989	0.02737	8	18.23	<.0001	0.05	0.4358	0.5620
338	RESIDPD	1-NC	TIME	0.007431	0.004140	58	1.80	0.0779	0.05	-0.00086	0.01572
339	RESIDPD	2-MC	Intercept	0.4723	0.02573	8	18.36	<.0001	0.05	0.4130	0.5317
340	RESIDPD	2-MC	TIME	0.003618	0.003441	49	1.05	0.2983	0.05	-0.00330	0.01053
341	RESIDPD	3-MS	Intercept	0.5240	0.06038	8	8.68	<.0001	0.05	0.3848	0.6633
342	RESIDPD	3-MS	TIME	0.006717	0.008467	55	0.79	0.4310	0.05	-0.01025	0.02368
343	RESIDPD	4-UMP	Intercept	0.4892	0.04463	8	10.96	<.0001	0.05	0.3863	0.5921
344	RESIDPD	4-UMP	TIME	-0.00402	0.006239	54	-0.64	0.5220	0.05	-0.01653	0.008488
345	RESIDPD	5-SC	Intercept	0.5051	0.03416	8	14.79	<.0001	0.05	0.4264	0.5839
346	RESIDPD	5-SC	TIME	-0.00145	0.004330	64	-0.33	0.7395	0.05	-0.01010	0.007204
347	RESIDPD	ALL	Intercept	0.5020	0.02545	8	19.72	<.0001	0.05	0.4433	0.5607
348	RESIDPD	ALL	TIME	0.001691	0.003654	284	0.46	0.6438	0.05	-0.00550	0.008884
349	LRGBLDR1	1-NC	Intercept	23.2851	11.7380	8	1.98	0.0826	0.05	-3.7828	50.3529
350	LRGBLDR1	1-NC	TIME	1.2418	1.7831	58	0.70	0.4889	0.05	-2.3275	4.8112
351	LRGBLDR1	2-MC	Intercept	24.6645	1.8168	8	13.58	<.0001	0.05	20.4748	28.8541
352	LRGBLDR1	2-MC	TIME	-0.3471	0.02340	49	-14.84	<.0001	0.05	-0.3941	-0.3001
353	LRGBLDR1	3-MS	Intercept	16.8318	6.5175	8	2.58	0.0325	0.05	1.8025	31.8611
354	LRGBLDR1	3-MS	TIME	3.0886	1.1001	57	2.81	0.0068	0.05	0.8858	5.2915
355	LRGBLDR1	4-UMP	Intercept	37.2249	4.9136	8	7.58	<.0001	0.05	25.8942	48.5557
356	LRGBLDR1	4-UMP	TIME	-0.6621	0.7125	54	-0.93	0.3569	0.05	-2.0907	0.7664

357	LRGBLDR1	5-SC	Intercept	101.09	77.0659	8	1.31	0.2260	0.05	-76.6284	278.80
ESTIMATES OF SLOPES AND ALLIED QUANTITIES											
15:55 Saturday, August 29, 2009											
Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
358	LRGBLDR1	5-SC	TIME	-45.4429	45.3094	71	-1.00	0.3193	0.05	-135.79	44.9016
359	LRGBLDR1	ALL	Intercept	35.2984	10.6826	8	3.30	0.0108	0.05	10.6642	59.9325
360	LRGBLDR1	ALL	TIME	0	.	.	.	.	.	.	.
361	CON_20PLUS	1-NC	Intercept	29.3353	7.2405	8	4.05	0.0037	0.05	12.6386	46.0320
362	CON_20PLUS	1-NC	TIME	0.6141	1.1293	59	0.54	0.5886	0.05	-1.6456	2.8738
363	CON_20PLUS	2-MC	Intercept	34.8999	3.9985	8	8.73	<.0001	0.05	25.6794	44.1203
364	CON_20PLUS	2-MC	TIME	1.3003	0.6692	49	1.94	0.0578	0.05	-0.04454	2.6452
365	CON_20PLUS	3-MS	Intercept	133.51	0.2578	8	517.80	<.0001	0.05	132.91	134.10
366	CON_20PLUS	3-MS	TIME	-7.7698	0.4028	57	-19.29	<.0001	0.05	-8.5765	-6.9632
367	CON_20PLUS	4-UMP	Intercept	91.3379	24.7098	8	3.70	0.0061	0.05	34.3569	148.32
368	CON_20PLUS	4-UMP	TIME	-5.9104	3.7755	54	-1.57	0.1233	0.05	-13.4799	1.6590
369	CON_20PLUS	5-SC	Intercept	66.5412	7.2283	8	9.21	<.0001	0.05	49.8728	83.2096
370	CON_20PLUS	5-SC	TIME	-0.6326	0.9701	72	-0.65	0.5164	0.05	-2.5665	1.3013
371	CON_20PLUS	ALL	Intercept	47.5349	5.3783	8	8.84	<.0001	0.05	35.1324	59.9373
372	CON_20PLUS	ALL	TIME	-0.2429	0.7615	295	-0.32	0.7499	0.05	-1.7416	1.2557
373	CON_36PLUS	1-NC	Intercept	4.7212	2.5947	8	1.82	0.1063	0.05	-1.2621	10.7045
374	CON_36PLUS	1-NC	TIME	0.2265	0.3826	59	0.59	0.5561	0.05	-0.5390	0.9920
375	CON_36PLUS	2-MC	Intercept	11.2390	5.5636	8	2.02	0.0780	0.05	-1.5908	24.0687
376	CON_36PLUS	2-MC	TIME	-0.8068	1.1065	49	-0.73	0.4694	0.05	-3.0304	1.4169
377	CON_36PLUS	3-MS	Intercept	9.1811	3.0141	8	3.05	0.0159	0.05	2.2306	16.1316
378	CON_36PLUS	3-MS	TIME	-0.05237	0.4344	57	-0.12	0.9045	0.05	-0.9222	0.8175
379	CON_36PLUS	4-UMP	Intercept	24.8988	7.0570	8	3.53	0.0078	0.05	8.6253	41.1723
380	CON_36PLUS	4-UMP	TIME	-1.1769	0.9866	54	-1.19	0.2381	0.05	-3.1549	0.8012
381	CON_36PLUS	5-SC	Intercept	25.6008	4.0583	8	6.31	0.0002	0.05	16.2423	34.9592
382	CON_36PLUS	5-SC	TIME	-1.1804	0.5250	72	-2.25	0.0276	0.05	-2.2269	-0.1339
383	CON_36PLUS	ALL	Intercept	14.7840	2.0385	8	7.25	<.0001	0.05	10.0831	19.4848
384	CON_36PLUS	ALL	TIME	-0.4614	0.2885	295	-1.60	0.1109	0.05	-1.0292	0.1064
385	BVR_DAM	1-NC	Intercept	0.9760	0.5385	8	1.81	0.1075	0.05	-0.2658	2.2177
386	BVR_DAM	1-NC	TIME	-0.01813	0.08020	59	-0.23	0.8219	0.05	-0.1786	0.1424
387	BVR_DAM	2-MC	Intercept	0.5970	0.2031	8	2.94	0.0187	0.05	0.1285	1.0654
388	BVR_DAM	2-MC	TIME	0.03995	0.03414	49	1.17	0.2476	0.05	-0.02866	0.1086
389	BVR_DAM	3-MS	Intercept	1.1494	0.04166	8	27.59	<.0001	0.05	1.0533	1.2455
390	BVR_DAM	3-MS	TIME	-0.1358	0.01339	57	-10.14	<.0001	0.05	-0.1626	-0.1089
391	BVR_DAM	4-UMP	Intercept	-0.1085	0.1272	8	-0.85	0.4186	0.05	-0.4018	0.1849
392	BVR_DAM	4-UMP	TIME	0.05889	0.01989	54	2.96	0.0045	0.05	0.01903	0.09876
393	BVR_DAM	5-SC	Intercept	0.1157	0.008033	8	14.41	<.0001	0.05	0.09721	0.1343
394	BVR_DAM	5-SC	TIME	-0.01933	0.002017	72	-9.58	<.0001	0.05	-0.02335	-0.01531
395	BVR_DAM	ALL	Intercept	0.4256	0.06548	8	6.50	0.0002	0.05	0.2746	0.5766
396	BVR_DAM	ALL	TIME	0.01525	0.01013	295	1.50	0.1335	0.05	-0.00470	0.03520