

Supplement 7.9. SAS output for the one-slope model

*N. Scott Urquhart, Retired, Department of Statistics, Colorado State University, Fort Collins,
Colorado, USA.*

This supplement provides the SAS listing for analyses conducted for the Chapter 7 examples, using the one-slope model [Equation (7.7)]. 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 11:02:23 AM	Observation Length	416
Last Modified	Saturday, August 29, 2009 11:02:23 AM	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	3
Columns in X	2
Columns in Z	301

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	288	26838320	93189	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	181880	22735	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	2092335	14043	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	6.64	<.0001
YEAR	149	1.62	0.1238
Residual	.	.	.

The current variable is PRICHNLL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	52160
YEAR	501.32
Residual	14043

Fit Statistics

-2 Res Log Likelihood	6046.0
AIC (smaller is better)	6052.0
AICC (smaller is better)	6052.0
BIC (smaller is better)	6063.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	749.96	24.8461	8	30.18	<.0001	0.05	692.67	807.26
TIME	8.2550	3.2022	149	2.58	0.0109	0.05	1.9275	14.5825

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	617.33	-59.9207
2	TIME	-59.9207	10.2538

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	6.65	0.0109

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	3
Columns in X	2
Columns in Z	299
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	286	25197474	88103	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	123361	15420	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	1306590	9973.967729	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	8.83	<.0001
YEAR	131	1.55	0.1474
Residual	.	.	.

The current variable is PRICHNLL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	53585
YEAR	351.19
Residual	9973.97

Fit Statistics

-2 Res Log Likelihood	5742.1
AIC (smaller is better)	5748.1
AICC (smaller is better)	5748.1
BIC (smaller is better)	5759.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	797.92	23.2746	8	34.28	<.0001	0.05	744.25	851.60
TIME	9.3402	2.8640	131	3.26	0.0014	0.05	3.6745	15.0060

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	541.71	-48.9931
2	TIME	-48.9931	8.2027

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	10.64	0.0014

The current variable is PRICHNLL

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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	3
Columns in X	2
Columns in Z	267
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	254	24693347	97218	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	180437	22555	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	2194989	16022	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	6.07	<.0001
YEAR	137	1.41	0.1985
Residual	.	.	.

The current variable is PRICHNLL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	52746
YEAR	408.64
Residual	16022

Fit Statistics

-2 Res Log Likelihood	5447.1
AIC (smaller is better)	5453.1
AICC (smaller is better)	5453.2
BIC (smaller is better)	5463.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	670.45	26.2740	8	25.52	<.0001	0.05	609.86	731.04
TIME	11.4387	3.3176	137	3.45	0.0008	0.05	4.8783	17.9991

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	690.32	-65.8965
2	TIME	-65.8965	11.0068

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	11.89	0.0008

----- 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	3
Columns in X	2
Columns in Z	289
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	276	25406310	92052	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	140960	17620	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	1108742	8274.197109	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	11.13	<.0001
YEAR	134	2.13	0.0371
Residual	.	.	.

The current variable is PRICHNLL

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	56397
YEAR	592.50
Residual	8274.20

Fit Statistics

-2 Res Log Likelihood	5617.7
AIC (smaller is better)	5623.7
AICC (smaller is better)	5623.7
BIC (smaller is better)	5634.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	683.26	25.4138	8	26.89	<.0001	0.05	624.66	741.87
TIME	5.3045	3.1204	134	1.70	0.0915	0.05	-0.8670	11.4760

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	645.86	-59.4602
2	TIME	-59.4602	9.7367

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	2.89	0.0915

The current variable is PRICHNLL

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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	3
Columns in X	2
Columns in Z	259
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	246	21382728	86922	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	19032	2379.054305	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	522289	2637.821689	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	32.95	<.0001
YEAR	198	0.90	0.5159
Residual	.	.	.

The current variable is PRICHNLL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	46698
YEAR	-11.6991

Fit Statistics

-2 Res Log Likelihood	5630.2
AIC (smaller is better)	5636.2
AICC (smaller is better)	5636.2
BIC (smaller is better)	5646.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	612.90	14.8501	8	41.27	<.0001	0.05	578.66	647.15
TIME	-0.7194	0.8341	198	-0.86	0.3895	0.05	-2.3643	0.9255

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	220.52	-4.1515
2	TIME	-4.1515	0.6958

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	0.74	0.3895

The current variable is PRICHNLL
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	3
Columns in X	2
Columns in Z	1371
Subjects	1

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	1358	136789734	100729	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	281774	35222	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	7803380	9940.611410	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	10.13	<.0001
YEAR	785	3.54	0.0005
Residual	.	.	.

The current variable is PRICHNLL
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	57532
YEAR	290.32
Residual	9940.61

Fit Statistics

-2 Res Log Likelihood	28866.7
AIC (smaller is better)	28872.7
AICC (smaller is better)	28872.7
BIC (smaller is better)	28888.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	713.63	14.1614	8	50.39	<.0001	0.05	680.97	746.28
TIME	5.5873	1.8723	785	2.98	0.0029	0.05	1.9119	9.2626

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	200.54	-20.9823
2	TIME	-20.9823	3.5056

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	8.91	0.0029

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	3
Columns in X	2
Columns in Z	301
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	283	5636694	19918	Var(Residual) + 1.4912 Var(ID_NUM)	MS(Residual)
YEAR	8	71657	8957.176814	Var(Residual) + 16.103 Var(YEAR)	MS(Residual)
Residual	139	466057	3352.930718	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	139	0.00	.
ID_NUM	139	5.94	<.0001
YEAR	139	2.67	0.0093
Residual	.	.	.

The current variable is SECCHNLL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	11109
YEAR	348.02
Residual	3352.93

Fit Statistics

-2 Res Log Likelihood	5250.5
AIC (smaller is better)	5256.5
AICC (smaller is better)	5256.6
BIC (smaller is better)	5267.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	93.5115	15.4571	8	6.05	0.0003	0.05	57.8674	129.16
TIME	-1.2350	2.1261	139	-0.58	0.5623	0.05	-5.4387	2.9687

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	238.92	-26.7323
2	TIME	-26.7323	4.5203

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	139	0.34	0.5623

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	3
Columns in X	2
Columns in Z	299
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	284	6504267	22902	Var(Residual) + 1.4542 Var(ID_NUM)	MS(Residual)
YEAR	8	19967	2495.835396	Var(Residual) + 15.259 Var(YEAR)	MS(Residual)
Residual	129	732907	5681.447541	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	129	0.00	.
ID_NUM	129	4.03	<.0001
YEAR	129	0.44	0.8955
Residual	.	.	.

The current variable is SECCHNLL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	11842
YEAR	-208.77
Residual	5681.45

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	93.5192	4.9254	8	18.99	<.0001	0.05	82.1614	104.88
TIME	0.3146	0.2132	129	1.48	0.1425	0.05	-0.1072	0.7365

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	24.2591	0.1940
2	TIME	0.1940	0.04546

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	129	2.18	0.1425

The current variable is SECCHNLL

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	3
Columns in X	2
Columns in Z	267
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	249	2916101	11711	Var(Residual) + 1.5382 Var(ID_NUM)	MS(Residual)
YEAR	8	38452	4806.512042	Var(Residual) + 15.616 Var(YEAR)	MS(Residual)
Residual	134	168347	1256.318356	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	9.32	<.0001
YEAR	134	3.83	0.0004
Residual	.	.	.

The current variable is SECCHNLL

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GCG=3-MS

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	6797.07
YEAR	227.34
Residual	1256.32

Fit Statistics

-2 Res Log Likelihood	4550.1
AIC (smaller is better)	4556.1
AICC (smaller is better)	4556.2
BIC (smaller is better)	4566.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	51.5430	12.2512	8	4.21	0.0030	0.05	23.2917	79.7943
TIME	0.4922	1.6499	134	0.30	0.7659	0.05	-2.7709	3.7554

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	150.09	-16.3350
2	TIME	-16.3350	2.7221

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	0.09	0.7659

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	3
Columns in X	2
Columns in Z	289
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	264	2091220	7921.287101	Var(Residual) + 1.4508 Var(ID_NUM)	MS(Residual)
YEAR	8	15070	1883.802940	Var(Residual) + 13.905 Var(YEAR)	MS(Residual)
Residual	119	164197	1379.806222	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error		
	DF	F Value	Pr > F
TIME	119	0.00	.
ID_NUM	119	5.74	<.0001
YEAR	119	1.37	0.2187
Residual	.	.	.

The current variable is SECCHNLL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	4509.01
YEAR	36.2455
Residual	1379.81

Fit Statistics

-2 Res Log Likelihood	4469.4
AIC (smaller is better)	4475.4
AICC (smaller is better)	4475.5
BIC (smaller is better)	4486.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	30.1534	7.8305	8	3.85	0.0049	0.05	12.0961	48.2107
TIME	2.8448	0.9786	119	2.91	0.0044	0.05	0.9070	4.7826

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	61.3174	-5.9179
2	TIME	-5.9179	0.9577

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	119	8.45	0.0044

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	3
Columns in X	2
Columns in Z	259

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	239	2958728	12380	Var(Residual) + 1.7782 Var(ID_NUM)	MS(Residual)
YEAR	8	78231	9778.899939	Var(Residual) + 20.639 Var(YEAR)	MS(Residual)
Residual	186	655355	3523.415791	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	186	0.00	.
ID_NUM	186	3.51	<.0001
YEAR	186	2.78	0.0064
Residual	.	.	.

The current variable is SECCHNLL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	4980.31
YEAR	303.09
Residual	3523.42

Fit Statistics

-2 Res Log Likelihood	5013.6
AIC (smaller is better)	5019.6
AICC (smaller is better)	5019.6
BIC (smaller is better)	5030.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	55.3706	13.8650	8	3.99	0.0040	0.05	23.3980	87.3432
TIME	-0.6269	1.9233	186	-0.33	0.7448	0.05	-4.4212	3.1674

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	192.24	-22.1499
2	TIME	-22.1499	3.6992

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	186	0.11	0.7448

The current variable is SECCHNLL

ALL REGIONS

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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	3
Columns in X	2
Columns in Z	1371
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	1327	21100088	15901	Var(Residual) + 1.5599 Var(ID_NUM)	MS(Residual)
YEAR	8	58378	7297.187771	Var(Residual) + 81.879 Var(YEAR)	MS(Residual)
Residual	743	2386810	3212.396241	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	743	0.00	.
ID_NUM	743	4.95	<.0001
YEAR	743	2.27	0.0210
Residual	.	.	.

The current variable is SECCHNLL
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	8133.93
YEAR	49.8882
Residual	3212.40

Fit Statistics

-2 Res Log Likelihood	24656.4
AIC (smaller is better)	24662.4
AICC (smaller is better)	24662.4
BIC (smaller is better)	24678.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	57.9275	6.1448	8	9.43	<.0001	0.05	43.7576	72.0975
TIME	0.7892	0.8356	743	0.94	0.3452	0.05	-0.8512	2.4296

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	37.7588	-4.1829

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	743	0.89	0.3452

The current variable is PRICHNAREA

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

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	3
Columns in X	2
Columns in Z	301
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	288	6307728204	21901834	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	10089843	1261230	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	169194760	1135535	Var(Residual)	.

Type 3 Analysis of Variance

Error

Source	DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	19.29	<.0001
YEAR	149	1.11	0.3592
Residual	.	.	.

The current variable is PRICHNAREA

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	13685799
YEAR	7249.14
Residual	1135535

Fit Statistics

-2 Res Log Likelihood	8373.3
AIC (smaller is better)	8379.3
AICC (smaller is better)	8379.4
BIC (smaller is better)	8390.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	4323.64	265.87	8	16.26	<.0001	0.05	3710.55	4936.73
TIME	0.5573	24.2206	149	0.02	0.9817	0.05	-47.3029	48.4175

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	70686	-3377.58
2	TIME	-3377.58	586.64

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	0.00	0.9817

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	3
Columns in X	2
Columns in Z	299
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	286	8345432176	29179833	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	4672989	584124	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	148192310	1131239	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	25.79	<.0001
YEAR	131	0.52	0.8425
Residual	.	.	.

The current variable is PRICHNAREA

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	19237165
YEAR	-35280
Residual	1131239

Fit Statistics

-2 Res Log Likelihood	8059.1
AIC (smaller is better)	8065.1
AICC (smaller is better)	8065.2
BIC (smaller is better)	8076.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	4317.83	278.23	8	15.52	<.0001	0.05	3676.23	4959.42
TIME	-0.1668	16.7643	131	-0.01	0.9921	0.05	-33.3306	32.9970

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	77411	-1721.14
2	TIME	-1721.14	281.04

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	0.00	0.9921

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	3
Columns in X	2
Columns in Z	267
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	254	8953950042	35251772	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	56998368	7124796	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	819145836	5979167	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	5.90	<.0001
YEAR	137	1.19	0.3085
Residual	.	.	.

The current variable is PRICHNAREA

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	19015963
YEAR	71662
Residual	5979167

Fit Statistics

-2 Res Log Likelihood	7765.3
AIC (smaller is better)	7771.3
AICC (smaller is better)	7771.4
BIC (smaller is better)	7781.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	3476.03	468.38	8	7.42	<.0001	0.05	2395.94	4556.13
TIME	15.7783	57.6630	137	0.27	0.7848	0.05	-98.2463	129.80

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	219383	-19893
2	TIME	-19893	3325.02

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	0.07	0.7848

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	3
Columns in X	2
Columns in Z	289
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	276	4625826890	16760242	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	6518638	814830	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	58934918	439813	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	38.11	<.0001
YEAR	134	1.85	0.0727
Residual	.	.	.

The current variable is PRICHNAREA

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	10986435
YEAR	23775
Residual	439813

Fit Statistics

-2 Res Log Likelihood	7656.7
AIC (smaller is better)	7662.7
AICC (smaller is better)	7662.8
BIC (smaller is better)	7673.6

Solution for Fixed Effects

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	246	3930295450	15976811	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	4220640	527580	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	202554934	1023005	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	15.62	<.0001
YEAR	198	0.52	0.8438
Residual	.	.	.

The current variable is PRICHNAREA

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	8285217
YEAR	-22399
Residual	1023005

Fit Statistics

-2 Res Log Likelihood	8143.7
AIC (smaller is better)	8149.7
AICC (smaller is better)	8149.8
BIC (smaller is better)	8160.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	2384.23	194.36	8	12.27	<.0001	0.05	1936.05	2832.42
TIME	2.3650	9.5031	198	0.25	0.8037	0.05	-16.3753	21.1052

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	37775	-536.21
2	TIME	-536.21	90.3085

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	0.06	0.8037

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	3
Columns in X	2
Columns in Z	1371
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	1358	33702613740	24817830	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	11814955	1476869	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	1471483949	1874502	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
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TIME	785	0.00	.
ID_NUM	785	13.24	<.0001
YEAR	785	0.79	0.6135
Residual	.	.	.

The current variable is PRICHNAREA

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	14538983
YEAR	-4566.26
Residual	1874502

Fit Statistics

-2 Res Log Likelihood	40503.1
AIC (smaller is better)	40509.1
AICC (smaller is better)	40509.1
BIC (smaller is better)	40524.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	3513.69	125.34	8	28.03	<.0001	0.05	3224.65	3802.73
TIME	6.4961	10.9368	785	0.59	0.5527	0.05	-14.9728	27.9650

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	15711	-714.29
2	TIME	-714.29	119.61

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	0.35	0.5527

The current variable is SECCHNAREA

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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	3
Columns in X	2
Columns in Z	301
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	283	140390107	496078	Var(Residual) + 1.4912 Var(ID_NUM)	MS(Residual)
YEAR	8	812745	101593	Var(Residual) + 16.103 Var(YEAR)	MS(Residual)
Residual	139	8929771	64243	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	139	0.00	.
ID_NUM	139	7.72	<.0001
YEAR	139	1.58	0.1356
Residual	.	.	.

The current variable is SECCHNAREA

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Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	289596
YEAR	2319.45
Residual	64243

Fit Statistics

-2 Res Log Likelihood	6605.9
AIC (smaller is better)	6611.9
AICC (smaller is better)	6611.9
BIC (smaller is better)	6622.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	284.23	55.3438	8	5.14	0.0009	0.05	156.60	411.85
TIME	-2.1523	6.9321	139	-0.31	0.7567	0.05	-15.8582	11.5536

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3062.94	-280.79
2	TIME	-280.79	48.0534

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	139	0.10	0.7567

The current variable is SECCHNAREA

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----- 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

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	299
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	284	96996568	341537	Var(Residual) + 1.4542 Var(ID_NUM)	MS(Residual)
YEAR	8	286130	35766	Var(Residual) + 15.259 Var(YEAR)	MS(Residual)
Residual	129	8072305	62576	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	129	0.00	.
ID_NUM	129	5.46	<.0001
YEAR	129	0.57	0.7997
Residual	.	.	.

The current variable is SECCHNAREA

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	191828
YEAR	-1756.98
Residual	62576

Fit Statistics

-2 Res Log Likelihood	6208.3
AIC (smaller is better)	6214.3
AICC (smaller is better)	6214.4
BIC (smaller is better)	6225.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	106.52	32.7626	8	3.25	0.0117	0.05	30.9731	182.07
TIME	8.9459	3.2116	129	2.79	0.0062	0.05	2.5917	15.3002

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1073.39	-62.9820
2	TIME	-62.9820	10.3145

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	129	7.76	0.0062

The current variable is SECCHNAREA

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----- 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	3
Columns in X	2
Columns in Z	267
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	249	22824088	91663	Var(Residual) + 1.5382 Var(ID_NUM)	MS(Residual)
YEAR	8	173524	21691	Var(Residual) + 15.616 Var(YEAR)	MS(Residual)
Residual	134	2853381	21294	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	4.30	<.0001
YEAR	134	1.02	0.4251
Residual	.	.	.

The current variable is SECCHNAREA

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	45749
YEAR	25.4005
Residual	21294

Fit Statistics

-2 Res Log Likelihood	5417.8
AIC (smaller is better)	5423.8
AICC (smaller is better)	5423.9
BIC (smaller is better)	5434.5

Solution for Fixed Effects

Standard

Effect	Estimate	Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	106.10	24.0092	8	4.42	0.0022	0.05	50.7343	161.46
TIME	4.8999	2.9936	134	1.64	0.1040	0.05	-1.0209	10.8206

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	576.44	-53.6984
2	TIME	-53.6984	8.9615

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	2.68	0.1040

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
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	289
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	264	36495201	138239	Var(Residual) + 1.4508 Var(ID_NUM)	MS(Residual)
YEAR	8	210524	26315	Var(Residual) + 13.905 Var(YEAR)	MS(Residual)
Residual	119	1600499	13450	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	119	0.00	.
ID_NUM	119	10.28	<.0001
YEAR	119	1.96	0.0578
Residual	.	.	.

The current variable is SECCHNAREA

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	86017
YEAR	925.27
Residual	13450

Fit Statistics

-2 Res Log Likelihood	5538.7
AIC (smaller is better)	5544.7
AICC (smaller is better)	5544.8
BIC (smaller is better)	5555.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	96.3408	32.1553	8	3.00	0.0172	0.05	22.1906	170.49
TIME	5.8747	3.9300	119	1.49	0.1376	0.05	-1.9070	13.6565

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1033.96	-94.7517

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	119	2.23	0.1376

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	3
Columns in X	2
Columns in Z	259
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	239	112629264	471252	Var(Residual) + 1.7782 Var(ID_NUM)	MS(Residual)
YEAR	8	2162010	270251	Var(Residual) + 20.639 Var(YEAR)	MS(Residual)
Residual	186	28783482	154750	Var(Residual)	.

Type 3 Analysis of Variance

Error

Source	DF	F Value	Pr > F
TIME	186	0.00	.
ID_NUM	186	3.05	<.0001
YEAR	186	1.75	0.0903
Residual	.	.	.

The current variable is SECCHNAREA

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	177986
YEAR	5596.27
Residual	154750

Fit Statistics

-2 Res Log Likelihood	6569.9
AIC (smaller is better)	6575.9
AICC (smaller is better)	6576.0
BIC (smaller is better)	6586.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	220.72	70.7024	8	3.12	0.0142	0.05	57.6793	383.76
TIME	-10.2274	9.5445	186	-1.07	0.2853	0.05	-29.0569	8.6021

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	4998.84	-545.04
2	TIME	-545.04	91.0984

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	186	1.15	0.2853

The current variable is SECCHNAREA

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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	3
Columns in X	2
Columns in Z	1371
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	1327	421082477	317319	Var(Residual) + 1.5599 Var(ID_NUM)	MS(Residual)
YEAR	8	1431094	178887	Var(Residual) + 81.879 Var(YEAR)	MS(Residual)
Residual	743	53059231	71412	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	743	0.00	.
ID_NUM	743	4.44	<.0001
YEAR	743	2.50	0.0109
Residual	.	.	.

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	157642
YEAR	1312.60
Residual	71412

Fit Statistics

-2 Res Log Likelihood	30805.2
AIC (smaller is better)	30811.2
AICC (smaller is better)	30811.2
BIC (smaller is better)	30826.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	172.55	30.0367	8	5.74	0.0004	0.05	103.29	241.82
TIME	0.1326	4.1525	743	0.03	0.9745	0.05	-8.0194	8.2845

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	902.21	-103.31
2	TIME	-103.31	17.2430

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	743	0.00	0.9745

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

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	301
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	283	15729	55.578337	Var(Residual) + 1.4912 Var(ID_NUM)	MS(Residual)
YEAR	8	391.685548	48.960693	Var(Residual) + 16.103 Var(YEAR)	MS(Residual)
Residual	139	4879.354851	35.103272	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	139	0.00	.
ID_NUM	139	1.58	0.0012
YEAR	139	1.39	0.2039
Residual	.	.	.

The current variable is PCTSCCHNLA

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	13.7309
YEAR	0.8605
Residual	35.1033

Fit Statistics

-2 Res Log Likelihood	2870.7
AIC (smaller is better)	2876.7
AICC (smaller is better)	2876.7
BIC (smaller is better)	2887.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	5.6625	0.9030	8	6.27	0.0002	0.05	3.5800	7.7449
TIME	-0.1085	0.1314	139	-0.83	0.4102	0.05	-0.3683	0.1513

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.8155	-0.1011
2	TIME	-0.1011	0.01727

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	139	0.68	0.4102

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	3
Columns in X	2
Columns in Z	299
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	284	10971	38.631175	Var(Residual) + 1.4542 Var(ID_NUM)	MS(Residual)
YEAR	8	11.794678	1.474335	Var(Residual) + 15.259 Var(YEAR)	MS(Residual)
Residual	129	1201.547101	9.314319	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	129	0.00	.
ID_NUM	129	4.15	<.0001
YEAR	129	0.16	0.9957
Residual	.	.	.

The current variable is PCTSCCHNLA

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	20.1598
YEAR	-0.5138
Residual	9.3143

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	5.1524	0.3088	8	16.69	<.0001	0.05	4.4404	5.8644
TIME	-0.07363	0.001742	129	-42.27	<.0001	0.05	-0.07707	-0.07018

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.09534	0.000320
2	TIME	0.000320	3.034E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	129	1786.53	<.0001

The current variable is PCTSCCHNLA55

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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	3
Columns in X	2
Columns in Z	267
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

Sum of

Source	DF	Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	249	8764.630637	35.199320	Var(Residual) + 1.5382 Var(ID_NUM)	MS(Residual)
YEAR	8	144.787679	18.098460	Var(Residual) + 15.616 Var(YEAR)	MS(Residual)
Residual	134	1010.781262	7.543144	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	4.67	<.0001
YEAR	134	2.40	0.0189
Residual	.	.	.

The current variable is PCTSCCHNLA

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	17.9801
YEAR	0.6759
Residual	7.5431

Fit Statistics

-2 Res Log Likelihood	2357.6
AIC (smaller is better)	2363.6
AICC (smaller is better)	2363.7
BIC (smaller is better)	2374.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	3.5285	0.7060	8	5.00	0.0011	0.05	1.9006	5.1565
TIME	0.004274	0.09717	134	0.04	0.9650	0.05	-0.1879	0.1965

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.4984	-0.05666
2	TIME	-0.05666	0.009443

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	0.00	0.9650

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	3
Columns in X	2
Columns in Z	289
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	264	6193.623693	23.460696	Var(Residual) + 1.4508 Var(ID_NUM)	MS(Residual)
YEAR	8	59.468859	7.433607	Var(Residual) + 13.905 Var(YEAR)	MS(Residual)
Residual	119	1125.820285	9.460675	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
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TIME	119	0.00	.
ID_NUM	119	2.48	<.0001
YEAR	119	0.79	0.6161
Residual	.	.	.

The current variable is PCTSCCHNLA

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	9.6501
YEAR	-0.1458
Residual	9.4607

Fit Statistics

-2 Res Log Likelihood	2272.9
AIC (smaller is better)	2278.9
AICC (smaller is better)	2279.0
BIC (smaller is better)	2289.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	2.6012	0.3588	8	7.25	<.0001	0.05	1.7737	3.4287
TIME	0.1367	0.04358	119	3.14	0.0022	0.05	0.05042	0.2230

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.1288	-0.01210
2	TIME	-0.01210	0.001899

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	119	9.84	0.0022

The current variable is PCTSCCHNLA

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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	3
Columns in X	2
Columns in Z	259
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	239	13200	55.230588	Var(Residual) + 1.7782 Var(ID_NUM)	MS(Residual)
YEAR	8	408.168886	51.021111	Var(Residual) + 20.639 Var(YEAR)	MS(Residual)
Residual	186	2604.260364	14.001400	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	186	0.00	.
ID_NUM	186	3.94	<.0001
YEAR	186	3.64	0.0006
Residual	.	.	.

The current variable is PCTSCCHNLA

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	23.1854
YEAR	1.7937
Residual	14.0014

Fit Statistics

-2 Res Log Likelihood	2681.5
AIC (smaller is better)	2687.5
AICC (smaller is better)	2687.5
BIC (smaller is better)	2698.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	4.4006	1.0137	8	4.34	0.0025	0.05	2.0630	6.7382
TIME	-0.01574	0.1419	186	-0.11	0.9118	0.05	-0.2957	0.2642

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.0276	-0.1206
2	TIME	-0.1206	0.02014

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	186	0.01	0.9118

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	3
Columns in X	2
Columns in Z	1371
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	1327	57756	43.523722	Var(Residual) + 1.5599 Var(ID_NUM)	MS(Residual)
YEAR	8	210.431306	26.303913	Var(Residual) + 81.879 Var(YEAR)	MS(Residual)
Residual	743	11706	15.755144	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	743	0.00	.
ID_NUM	743	2.76	<.0001
YEAR	743	1.67	0.1022
Residual	.	.	.

The current variable is PCTSCCHNLA
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	17.8014
YEAR	0.1288
Residual	15.7551

Fit Statistics

-2 Res Log Likelihood	12811.8
AIC (smaller is better)	12817.8
AICC (smaller is better)	12817.8
BIC (smaller is better)	12833.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	3.8142	0.3368	8	11.32	<.0001	0.05	3.0374	4.5910
TIME	0.02498	0.04684	743	0.53	0.5940	0.05	-0.06697	0.1169

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.1135	-0.01313
2	TIME	-0.01313	0.002194

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	743	0.28	0.5940

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	3
Columns in X	2
Columns in Z	301
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	288	6939.658343	24.096036	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	21.956445	2.744556	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	186.952226	1.254713	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	19.20	<.0001
YEAR	149	2.19	0.0315
Residual	.	.	.

The current variable is GRADIENT

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	15.0533
YEAR	0.08592
Residual	1.2547

Fit Statistics

-2 Res Log Likelihood	2203.3
AIC (smaller is better)	2209.3
AICC (smaller is better)	2209.4
BIC (smaller is better)	2220.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
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Intercept	4.3268	0.3330	8	12.99	<.0001	0.05	3.5590	5.0947
TIME	-0.03550	0.03704	149	-0.96	0.3393	0.05	-0.1087	0.03768

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.1109	-0.00806
2	TIME	-0.00806	0.001372

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	0.92	0.3393

The current variable is GRADIENT65

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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	3
Columns in X	2
Columns in Z	299
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
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TIME	0	0	0	0	MS(Residual)
ID_NUM	286	7466.744168	26.107497	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	8.094011	1.011751	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	108.358994	0.827168	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	31.56	<.0001
YEAR	131	1.22	0.2904
Residual	.	.	.

The current variable is GRADIENT
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----- GCG=2-MC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	17.3385
YEAR	0.01190
Residual	0.8272

Fit Statistics

-2 Res Log Likelihood	2157.1
AIC (smaller is better)	2163.1
AICC (smaller is better)	2163.2
BIC (smaller is better)	2174.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	4.2688	0.2916	8	14.64	<.0001	0.05	3.5963	4.9412
TIME	-0.02969	0.02434	131	-1.22	0.2248	0.05	-0.07784	0.01846

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.08503	-0.00354
2	TIME	-0.00354	0.000592

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	1.49	0.2248

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	3
Columns in X	2
Columns in Z	267
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	254	12994	51.157453	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	49.845747	6.230718	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	358.793065	2.618927	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F

TIME	137	0.00	.
ID_NUM	137	19.53	<.0001
YEAR	137	2.38	0.0197
Residual	.	.	.

The current variable is GRADIENT

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	31.5314
YEAR	0.2259
Residual	2.6189

Fit Statistics

-2 Res Log Likelihood	2289.9
AIC (smaller is better)	2295.9
AICC (smaller is better)	2295.9
BIC (smaller is better)	2306.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	5.0093	0.5286	8	9.48	<.0001	0.05	3.7902	6.2283
TIME	-0.03186	0.05944	137	-0.54	0.5929	0.05	-0.1494	0.08568

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2795	-0.02118
2	TIME	-0.02118	0.003533

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	0.29	0.5929

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	3
Columns in X	2
Columns in Z	289
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	276	12472	45.189854	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	93.134066	11.641758	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	372.687367	2.781249	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	16.25	<.0001
YEAR	134	4.19	0.0002
Residual	.	.	.

The current variable is GRADIENT

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

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	28.5482
YEAR	0.5617
Residual	2.7812

Fit Statistics

-2 Res Log Likelihood	2396.1
AIC (smaller is better)	2402.1
AICC (smaller is better)	2402.1
BIC (smaller is better)	2413.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	6.4380	0.6391	8	10.07	<.0001	0.05	4.9643	7.9117
TIME	-0.09108	0.08181	134	-1.11	0.2676	0.05	-0.2529	0.07072

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.4084	-0.04056
2	TIME	-0.04056	0.006693

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	1.24	0.2676

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

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	259
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	246	21945	89.205836	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	55.409296	6.926162	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	351.042443	1.772942	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	50.32	<.0001
YEAR	198	3.91	0.0003
Residual	.	.	.

The current variable is GRADIENT

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	48.4425
YEAR	0.2330
Residual	1.7729

Fit Statistics

-2 Res Log Likelihood	2516.4
AIC (smaller is better)	2522.4
AICC (smaller is better)	2522.4
BIC (smaller is better)	2532.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	8.7836	0.5647	8	15.55	<.0001	0.05	7.4813	10.0859
TIME	-0.1027	0.05194	198	-1.98	0.0494	0.05	-0.2051	-0.00028

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.3189	-0.01614
2	TIME	-0.01614	0.002698

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	3.91	0.0494

The current variable is GRADIENT
ALL REGIONS

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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	3
Columns in X	2
Columns in Z	1371
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	1358	68156	50.188249	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	48.854236	6.106780	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	1568.926847	1.998633	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	25.11	<.0001
YEAR	785	3.06	0.0022
Residual	.	.	.

The current variable is GRADIENT
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	30.5373
YEAR	0.04718
Residual	1.9986

Fit Statistics

-2 Res Log Likelihood	11864.2
AIC (smaller is better)	11870.2
AICC (smaller is better)	11870.2
BIC (smaller is better)	11885.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	5.7023	0.2240	8	25.46	<.0001	0.05	5.1857	6.2189

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.05018	-0.00371
2	TIME	-0.00371	0.000619

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	5.79	0.0164

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	3
Columns in X	2
Columns in Z	301
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	288	31209	108.364010	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	540.439790	67.554974	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	4279.955220	28.724532	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	3.77	<.0001
YEAR	149	2.35	0.0207
Residual	.	.	.

The current variable is VWIRCH

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	52.4855
YEAR	2.2394
Residual	28.7245

Fit Statistics

-2 Res Log Likelihood	3174.4
AIC (smaller is better)	3180.4
AICC (smaller is better)	3180.4
BIC (smaller is better)	3191.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	7.7499	1.2401	8	6.25	0.0002	0.05	4.8902	10.6095
TIME	-0.2687	0.1751	149	-1.53	0.1271	0.05	-0.6147	0.07740

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.5378	-0.1811
2	TIME	-0.1811	0.03067

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	2.35	0.1271

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	3
Columns in X	2
Columns in Z	299
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	286	11066	38.693105	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	205.678579	25.709822	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	4048.841112	30.907184	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.

ID_NUM	131	1.25	0.0717
YEAR	131	0.83	0.5761
Residual	.	.	.

The current variable is VWIRCH

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	5.3400
YEAR	-0.3351
Residual	30.9072

Fit Statistics

-2 Res Log Likelihood	2735.5
AIC (smaller is better)	2741.5
AICC (smaller is better)	2741.6
BIC (smaller is better)	2752.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	3.8836	0.4769	8	8.14	<.0001	0.05	2.7838	4.9833
TIME	0.3243	0.06748	131	4.81	<.0001	0.05	0.1908	0.4578

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2274	-0.02692
2	TIME	-0.02692	0.004553

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	23.09	<.0001

The current variable is VWIRCH

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

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	3
Columns in X	2
Columns in Z	267
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	254	14352	56.502016	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	53.973116	6.746640	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	385.621758	2.814757	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	20.07	<.0001
YEAR	137	2.40	0.0189
Residual	.	.	.

The current variable is VWIRCH

Estimates

Cov Parm	Estimate
ID_NUM	34.8761
YEAR	0.2459
Residual	2.8148

Fit Statistics

-2 Res Log Likelihood	2330.2
AIC (smaller is better)	2336.2
AICC (smaller is better)	2336.2
BIC (smaller is better)	2346.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	4.7275	0.5529	8	8.55	<.0001	0.05	3.4525	6.0025
TIME	0.1384	0.06189	137	2.24	0.0269	0.05	0.01604	0.2608

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.3057	-0.02296
2	TIME	-0.02296	0.003831

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	5.00	0.0269

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	3
Columns in X	2
Columns in Z	289
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	276	44475	161.140714	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	631.709647	78.963706	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	6969.142796	52.008528	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	3.10	<.0001
YEAR	134	1.52	0.1565
Residual	.	.	.

The current variable is VWIRCH

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	73.4646
YEAR	1.7089
Residual	52.0085

Fit Statistics

-2 Res Log Likelihood	3164.2
AIC (smaller is better)	3170.2
AICC (smaller is better)	3170.2
BIC (smaller is better)	3181.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	4.3823	1.3735	8	3.19	0.0128	0.05	1.2150	7.5496
TIME	0.3924	0.1871	134	2.10	0.0379	0.05	0.02229	0.7625

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.8865	-0.2142
2	TIME	-0.2142	0.03502

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	4.40	0.0379

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	3
Columns in X	2
Columns in Z	259
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	246	47950	194.920681	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	908.703023	113.587878	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	16896	85.331709	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	2.28	<.0001
YEAR	198	1.33	0.2299
Residual	.	.	.

The current variable is VWIRCH

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	60.7182
YEAR	1.2775
Residual	85.3317

Fit Statistics

-2 Res Log Likelihood	3461.5
AIC (smaller is better)	3467.5
AICC (smaller is better)	3467.6
BIC (smaller is better)	3478.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
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Intercept	4.4118	1.3303	8	3.32	0.0106	0.05	1.3442	7.4795
TIME	0.3199	0.1803	198	1.77	0.0776	0.05	-0.03569	0.6755

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.7697	-0.1940
2	TIME	-0.1940	0.03251

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	3.15	0.0776

The current variable is VWIRCH

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	3
Columns in X	2
Columns in Z	1371
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	1358	153326	112.905696	Var(Residual) + 1.5781	Var(ID_NUM)	MS(Residual)
YEAR	8	502.026907	62.753363	Var(Residual) + 87.081	Var(YEAR)	MS(Residual)
Residual	785	34920	44.484630	Var(Residual)		.

Type 3 Analysis of Variance

Source	Error		
	DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	2.54	<.0001
YEAR	785	1.41	0.1881
Residual	.	.	.

The current variable is VWIRCH
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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	43.3578
YEAR	0.2098
Residual	44.4846

Fit Statistics

-2 Res Log Likelihood	15401.9
AIC (smaller is better)	15407.9
AICC (smaller is better)	15407.9
BIC (smaller is better)	15423.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	5.0114	0.4950	8	10.12	<.0001	0.05	3.8700	6.1528
TIME	0.1842	0.06854	785	2.69	0.0073	0.05	0.04970	0.3188

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2450	-0.02806
2	TIME	-0.02806	0.004698

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	7.23	0.0073

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	3
Columns in X	2
Columns in Z	301
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	288	4524.487267	15.710025	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	9.702183	1.212773	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	233.310961	1.565845	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	10.03	<.0001

YEAR 149 0.77 0.6257
Residual . . .
The current variable is WIDTH

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	9.3216
YEAR	-0.02036
Residual	1.5658

Fit Statistics

-2 Res Log Likelihood	2171.6
AIC (smaller is better)	2177.6
AICC (smaller is better)	2177.6
BIC (smaller is better)	2188.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	4.7115	0.2233	8	21.10	<.0001	0.05	4.1966	5.2264
TIME	-0.02525	0.02174	149	-1.16	0.2473	0.05	-0.06821	0.01771

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.04985	-0.00266
2	TIME	-0.00266	0.000473

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	1.35	0.2473

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	3
Columns in X	2
Columns in Z	299
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	286	7149.610841	24.998639	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	10.016700	1.252088	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	415.715640	3.173402	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	7.88	<.0001
YEAR	131	0.39	0.9219
Residual	.	.	.

The current variable is WIDTH

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	14.9689
YEAR	-0.1239
Residual	3.1734

Fit Statistics

-2 Res Log Likelihood	2260.5
AIC (smaller is better)	2266.5
AICC (smaller is better)	2266.5
BIC (smaller is better)	2277.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	4.4533	0.2427	8	18.35	<.0001	0.05	3.8937	5.0129
TIME	-0.06625	0.01488	131	-4.45	<.0001	0.05	-0.09569	-0.03681

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.05889	-0.00152
2	TIME	-0.00152	0.000221

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	19.82	<.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	3
Columns in X	2
Columns in Z	267
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	254	4374.609303	17.222871	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	17.985116	2.248140	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	190.478383	1.390353	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	12.39	<.0001
YEAR	137	1.62	0.1253
Residual	.	.	.

The current variable is WIDTH

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	10.2851
YEAR	0.05366
Residual	1.3904

Fit Statistics

-2 Res Log Likelihood

1871.8

AIC (smaller is better)	1877.8
AICC (smaller is better)	1877.9
BIC (smaller is better)	1888.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	3.9164	0.3053	8	12.83	<.0001	0.05	3.2123	4.6205
TIME	-0.05042	0.03483	137	-1.45	0.1500	0.05	-0.1193	0.01845

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.09322	-0.00727
2	TIME	-0.00727	0.001213

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	2.10	0.1500

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	3
Columns in X	2
Columns in Z	289
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	276	2402.607199	8.705099	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	6.352607	0.794076	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	50.175156	0.374441	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	23.25	<.0001
YEAR	134	2.12	0.0379
Residual	.	.	.

The current variable is WIDTH

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	5.6080
YEAR	0.02660
Residual	0.3744

Fit Statistics

-2 Res Log Likelihood	1653.2
AIC (smaller is better)	1659.2
AICC (smaller is better)	1659.2
BIC (smaller is better)	1670.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	3.2307	0.2023	8	15.97	<.0001	0.05	2.7643	3.6971

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.04091	-0.00280
2	TIME	-0.00280	0.000458

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	0.13	0.7172

The current variable is WIDTH 95
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----- 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	3
Columns in X	2
Columns in Z	259
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	246	2957.750857	12.023377	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	3.290172	0.411272	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	192.727469	0.973371	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	12.35	<.0001
YEAR	198	0.42	0.9066
Residual	.	.	.

The current variable is WIDTH
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----- GCG=5-SC -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	6.1223
YEAR	-0.02541
Residual	0.9734

Fit Statistics

-2 Res Log Likelihood	1840.5
AIC (smaller is better)	1846.5
AICC (smaller is better)	1846.6
BIC (smaller is better)	1857.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	3.3355	0.1637	8	20.38	<.0001	0.05	2.9581	3.7129
TIME	-0.00469	0.006331	198	-0.74	0.4596	0.05	-0.01717	0.007794

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.02678	-0.00024
2	TIME	-0.00024	0.000040

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	0.55	0.4596

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	3
Columns in X	2
Columns in Z	1371
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	1358	22491	16.561614	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	6.555098	0.819387	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	1132.577826	1.442774	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	11.48	<.0001
YEAR	785	0.57	0.8047

The current variable is WIDTH
ALL REGIONS

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The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	9.5807
YEAR	-0.00716
Residual	1.4428

Fit Statistics

-2 Res Log Likelihood	10017.0
AIC (smaller is better)	10023.0
AICC (smaller is better)	10023.0
BIC (smaller is better)	10038.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	3.9328	0.09603	8	40.95	<.0001	0.05	3.7114	4.1543
TIME	-0.01889	0.007372	785	-2.56	0.0106	0.05	-0.03336	-0.00442

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.009222	-0.00032
2	TIME	-0.00032	0.000054

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	6.56	0.0106

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	3
Columns in X	2
Columns in Z	301
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	288	18450	64.061646	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	220.635965	27.579496	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	1361.435427	9.137151	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	7.01	<.0001
YEAR	149	3.02	0.0036
Residual	.	.	.

The current variable is ACW

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	36.1974
YEAR	1.0636
Residual	9.1372

Fit Statistics

-2 Res Log Likelihood	2830.9
AIC (smaller is better)	2836.9
AICC (smaller is better)	2837.0
BIC (smaller is better)	2847.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	9.6940	0.8488	8	11.42	<.0001	0.05	7.7366	11.6513
TIME	-0.1001	0.1161	149	-0.86	0.3898	0.05	-0.3294	0.1292

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.7205	-0.07969
2	TIME	-0.07969	0.01347

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	0.74	0.3898

The current variable is ACW

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----- 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	3
Columns in X	2
Columns in Z	299
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	286	16251	56.821948	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	32.984184	4.123023	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	285.468604	2.179150	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	26.08	<.0001
YEAR	131	1.89	0.0664
Residual	.	.	.

The current variable is ACW

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	37.4768
YEAR	0.1253
Residual	2.1791

Fit Statistics

-2 Res Log Likelihood	2433.5
AIC (smaller is better)	2439.5

AICC (smaller is better) 2439.5
BIC (smaller is better) 2450.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	8.0871	0.4846	8	16.69	<.0001	0.05	6.9695	9.2047
TIME	-0.08911	0.04926	131	-1.81	0.0728	0.05	-0.1866	0.008341

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2349	-0.01448
2	TIME	-0.01448	0.002427

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	3.27	0.0728

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	3
Columns in X	2
Columns in Z	267
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	254	31783	125.129716	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	115.197744	14.399718	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	1544.662653	11.274910	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	11.10	<.0001
YEAR	137	1.28	0.2603
Residual	.	.	.

The current variable is ACW

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	73.9619
YEAR	0.1955
Residual	11.2749

Fit Statistics

-2 Res Log Likelihood	2658.0
AIC (smaller is better)	2664.0
AICC (smaller is better)	2664.1
BIC (smaller is better)	2674.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	7.8733	0.7820	8	10.07	<.0001	0.05	6.0700	9.6766
TIME	0.03141	0.08638	137	0.36	0.7167	0.05	-0.1394	0.2022

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.6115	-0.04467
2	TIME	-0.04467	0.007462

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	0.13	0.7167

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	3
Columns in X	2
Columns in Z	289
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	276	8243.731813	29.868594	Var(Residual) + 1.4855	Var(ID_NUM)	MS(Residual)
YEAR	8	22.609373	2.826172	Var(Residual) + 15.773	Var(YEAR)	MS(Residual)
Residual	134	163.249395	1.218279	Var(Residual)		.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	24.52	<.0001
YEAR	134	2.32	0.0231
Residual	.	.	.

The current variable is ACW

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	19.2866
YEAR	0.1019
Residual	1.2183

Fit Statistics

-2 Res Log Likelihood	2172.2
AIC (smaller is better)	2178.2
AICC (smaller is better)	2178.3
BIC (smaller is better)	2189.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	6.1157	0.3789	8	16.14	<.0001	0.05	5.2420	6.9894
TIME	0.02183	0.04046	134	0.54	0.5904	0.05	-0.05819	0.1018

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.1435	-0.01000
2	TIME	-0.01000	0.001637

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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TIME	1	134	0.29	0.5904
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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	3
Columns in X	2
Columns in Z	259
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	246	14243	57.897116	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	66.667332	8.333416	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	1007.956032	5.090687	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	11.37	<.0001

YEAR 198 1.64 0.1164
Residual . . .
The current variable is ACW

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	29.2576
YEAR	0.1466
Residual	5.0907

Fit Statistics

-2 Res Log Likelihood	2552.8
AIC (smaller is better)	2558.8
AICC (smaller is better)	2558.9
BIC (smaller is better)	2569.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	7.4017	0.4994	8	14.82	<.0001	0.05	6.2501	8.5532
TIME	-0.1484	0.05337	198	-2.78	0.0060	0.05	-0.2536	-0.04314

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2494	-0.01702
2	TIME	-0.01702	0.002848

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	7.73	0.0060

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	3
Columns in X	2
Columns in Z	1371
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	1358	93336	68.730697	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	99.893836	12.486729	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	4759.263030	6.062755	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	11.34	<.0001
YEAR	785	2.06	0.0374
Residual	.	.	.

The current variable is ACW
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	39.7121
YEAR	0.07377
Residual	6.0628

Fit Statistics

-2 Res Log Likelihood	13015.7
AIC (smaller is better)	13021.7
AICC (smaller is better)	13021.7
BIC (smaller is better)	13037.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	7.9188	0.2875	8	27.54	<.0001	0.05	7.2558	8.5817
TIME	-0.06430	0.03465	785	-1.86	0.0638	0.05	-0.1323	0.003712

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.08265	-0.00718
2	TIME	-0.00718	0.001200

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	3.44	0.0638

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	3
Columns in X	2
Columns in Z	301
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	288	45.103391	0.156609	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	1.346823	0.168353	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	4.002002	0.026859	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	5.83	<.0001
YEAR	149	6.27	<.0001
Residual	.	.	.

The current variable is ACH

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.08551
YEAR	0.008160
Residual	0.02686

Fit Statistics

-2 Res Log Likelihood	224.5
AIC (smaller is better)	230.5
AICC (smaller is better)	230.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.6611	0.06434	8	10.28	<.0001	0.05	0.5127	0.8095
TIME	-0.02140	0.009222	149	-2.32	0.0217	0.05	-0.03962	-0.00318

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.004140	-0.00051
2	TIME	-0.00051	0.000085

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	5.38	0.0217

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	3
Columns in X	2
Columns in Z	299
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	286	15.248587	0.053317	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	0.388378	0.048547	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	2.323517	0.017737	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	3.01	<.0001
YEAR	131	2.74	0.0080
Residual	.	.	.

The current variable is ACH

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.02440
YEAR	0.001987
Residual	0.01774

Fit Statistics

-2 Res Log Likelihood	-177.8
AIC (smaller is better)	-171.8
AICC (smaller is better)	-171.8
BIC (smaller is better)	-160.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.5142	0.03466	8	14.84	<.0001	0.05	0.4343	0.5941
TIME	-0.00565	0.004963	131	-1.14	0.2573	0.05	-0.01546	0.004171

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.001201	-0.00015
2	TIME	-0.00015	0.000025

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	1.29	0.2573

The current variable is ACH

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

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	3
Columns in X	2
Columns in Z	267
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	254	31.053911	0.122259	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)

YEAR	8	0.833472	0.104184	Var(Residual) + 15.987	Var(YEAR)	MS(Residual)
Residual	137	5.960515	0.043507	Var(Residual)		.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	2.81	<.0001
YEAR	137	2.39	0.0190
Residual	.	.	.

The current variable is ACH

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.05116
YEAR	0.003795
Residual	0.04351

Fit Statistics

-2 Res Log Likelihood	142.7
AIC (smaller is better)	148.7
AICC (smaller is better)	148.7
BIC (smaller is better)	159.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.5963	0.05002	8	11.92	<.0001	0.05	0.4809	0.7116
TIME	-0.00529	0.007118	137	-0.74	0.4583	0.05	-0.01937	0.008782

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.002502	-0.00030
2	TIME	-0.00030	0.000051

Type 3 Tests of Fixed Effects

	Num	Den	F Value	Pr > F
Effect	DF	DF		
TIME	1	137	0.55	0.4583

The current variable is ACH

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

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	3
Columns in X	2
Columns in Z	289
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	276	8.997575	0.032600	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	0.561697	0.070212	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	1.976165	0.014747	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	2.21	<.0001
YEAR	134	4.76	<.0001

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.01202
YEAR	0.003516
Residual	0.01475

Fit Statistics

-2 Res Log Likelihood	-346.9
AIC (smaller is better)	-340.9
AICC (smaller is better)	-340.9
BIC (smaller is better)	-330.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.5104	0.04177	8	12.22	<.0001	0.05	0.4141	0.6068
TIME	-0.00524	0.006071	134	-0.86	0.3896	0.05	-0.01725	0.006768

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.001745	-0.00022
2	TIME	-0.00022	0.000037

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	0.74	0.3896

The current variable is ACH

----- 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	3
Columns in X	2
Columns in Z	259
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	246	25.727830	0.104585	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	0.250709	0.031339	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	6.422812	0.032438	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	3.22	<.0001
YEAR	198	0.97	0.4637
Residual	.	.	.

The current variable is ACH

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.03997
YEAR	-0.00005
Residual	0.03244

Fit Statistics

-2 Res Log Likelihood	-5.3
AIC (smaller is better)	0.7
AICC (smaller is better)	0.7
BIC (smaller is better)	11.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.6711	0.02313	8	29.01	<.0001	0.05	0.6177	0.7244
TIME	-0.02057	0.002808	198	-7.33	<.0001	0.05	-0.02611	-0.01504

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000535	-0.00005
2	TIME	-0.00005	7.883E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	53.69	<.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	3
Columns in X	2
Columns in Z	1371
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	1358	135.218892	0.099572	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	0.559704	0.069963	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	23.892294	0.030436	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	3.27	<.0001
YEAR	785	2.30	0.0195
Residual	.	.	.

The current variable is ACH
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.04381
YEAR	0.000454
Residual	0.03044

Fit Statistics

-2 Res Log Likelihood	162.4
AIC (smaller is better)	168.4
AICC (smaller is better)	168.4
BIC (smaller is better)	184.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.5979	0.01771	8	33.75	<.0001	0.05	0.5571	0.6388
TIME	-0.01297	0.002490	785	-5.21	<.0001	0.05	-0.01785	-0.00808

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000314	-0.00004
2	TIME	-0.00004	6.198E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	27.12	<.0001

The current variable is NOP0OLS

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

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	3
Columns in X	2
Columns in Z	301
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	448

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	288	29317	101.795583	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	1606.496485	200.812061	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	7344.235518	49.290171	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	2.07	<.0001
YEAR	149	4.07	0.0002
Residual	.	.	.

The current variable is NOP00LS

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	34.6031
YEAR	8.7386
Residual	49.2902

Fit Statistics

-2 Res Log Likelihood	3244.3
AIC (smaller is better)	3250.3
AICC (smaller is better)	3250.3
BIC (smaller is better)	3261.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	16.4061	2.0955	8	7.83	<.0001	0.05	11.5739	21.2384
TIME	-0.1154	0.3068	149	-0.38	0.7073	0.05	-0.7217	0.4908

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	4.3912	-0.5605
2	TIME	-0.5605	0.09413

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	0.14	0.7073

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	3
Columns in X	2
Columns in Z	299
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	286	56249	196.673694	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	421.735352	52.716919	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	3.78	<.0001
YEAR	131	1.01	0.4289
Residual	.	.	.

The current variable is NOP00LS

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	99.2243
YEAR	0.04620
Residual	52.0005

Fit Statistics

-2 Res Log Likelihood	3279.7
AIC (smaller is better)	3285.7
AICC (smaller is better)	3285.8
BIC (smaller is better)	3296.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	17.9946	1.1181	8	16.09	<.0001	0.05	15.4162	20.5729
TIME	0.2464	0.1445	131	1.71	0.0905	0.05	-0.03940	0.5323

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.2501	-0.1248
2	TIME	-0.1248	0.02088

Type 3 Tests of Fixed Effects

Num Den

Effect DF DF F Value Pr > F

TIME 1 131 2.91 0.0905

The current variable is NOP00LS

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

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	3
Columns in X	2
Columns in Z	267
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	254	31155	122.658887	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	1063.018066	132.877258	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	4919.082943	35.905715	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	3.42	<.0001
YEAR	137	3.70	0.0006
Residual	.	.	.

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	56.3563
YEAR	6.0658
Residual	35.9057

Fit Statistics

-2 Res Log Likelihood	2867.0
AIC (smaller is better)	2873.0
AICC (smaller is better)	2873.0
BIC (smaller is better)	2883.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	13.4536	1.8399	8	7.31	<.0001	0.05	9.2107	17.6965
TIME	0.4377	0.2636	137	1.66	0.0992	0.05	-0.08366	0.9590

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.3854	-0.4166
2	TIME	-0.4166	0.06951

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	2.76	0.0992

The current variable is NOP00LS

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

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	3
Columns in X	2
Columns in Z	289
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	276	35118	127.239041	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	1001.336015	125.167002	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	3896.109951	29.075447	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	4.38	<.0001
YEAR	134	4.30	0.0001
Residual	.	.	.

The current variable is NOP00LS

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
----------	----------

ID_NUM	66.0809
YEAR	6.0920
Residual	29.0754

Fit Statistics

-2 Res Log Likelihood	3039.4
AIC (smaller is better)	3045.4
AICC (smaller is better)	3045.5
BIC (smaller is better)	3056.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	12.2051	1.8319	8	6.66	0.0002	0.05	7.9809	16.4294
TIME	0.3741	0.2604	134	1.44	0.1530	0.05	-0.1408	0.8891

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.3557	-0.4096
2	TIME	-0.4096	0.06779

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	2.06	0.1530

The current variable is NOP0OLS

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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	3
Columns in X	2
Columns in Z	259
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	246	19570	79.552616	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	849.771910	106.221489	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	5381.347850	27.178524	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	2.93	<.0001
YEAR	198	3.91	0.0003
Residual	.	.	.

The current variable is NOP00LS

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	29.0181
YEAR	3.5736
Residual	27.1785

Fit Statistics

-2 Res Log Likelihood	3051.6
AIC (smaller is better)	3057.6
AICC (smaller is better)	3057.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	11.7552	1.3933	8	8.44	<.0001	0.05	8.5422	14.9682
TIME	-0.1589	0.1988	198	-0.80	0.4251	0.05	-0.5510	0.2332

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.9413	-0.2366
2	TIME	-0.2366	0.03953

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	0.64	0.4251

The current variable is NOPPOOLS
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	NOPPOOLS
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	3
Columns in X	2
Columns in Z	1371
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	1358	197042	145.097078	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	1590.507231	198.813404	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	32384	41.253730	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	3.52	<.0001
YEAR	785	4.82	<.0001
Residual	.	.	.

The current variable is NOP00LS
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	65.8046
YEAR	1.8094
Residual	41.2537

Fit Statistics

-2 Res Log Likelihood	15763.4
AIC (smaller is better)	15769.4
AICC (smaller is better)	15769.4
BIC (smaller is better)	15785.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	14.7063	0.9654	8	15.23	<.0001	0.05	12.4801	16.9324
TIME	0.1233	0.1390	785	0.89	0.3756	0.05	-0.1497	0.3962

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.9319	-0.1158
2	TIME	-0.1158	0.01933

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	0.79	0.3756

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	3
Columns in X	2
Columns in Z	301
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	288	290603	1009.039787	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	5483.212574	685.401572	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	38686	259.635510	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	3.89	<.0001
YEAR	149	2.64	0.0098
Residual	.	.	.

The current variable is PCTP00LS

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	493.89
YEAR	24.5549
Residual	259.64

Fit Statistics

-2 Res Log Likelihood	4127.2
AIC (smaller is better)	4133.2
AICC (smaller is better)	4133.2
BIC (smaller is better)	4144.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	32.9525	3.9749	8	8.29	<.0001	0.05	23.7864	42.1186
TIME	0.3089	0.5633	149	0.55	0.5843	0.05	-0.8043	1.4220

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	15.7997	-1.8768
2	TIME	-1.8768	0.3173

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	PCTPOOLS
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	3
Columns in X	2
Columns in Z	299
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	286	269841	943.499751	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	609.615661	76.201958	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	17836	136.149101	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	6.93	<.0001
YEAR	131	0.56	0.8092
Residual	.	.	.

The current variable is PCTPOOLS

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	553.72
YEAR	-3.8656
Residual	136.15

Fit Statistics

-2 Res Log Likelihood	3852.0
AIC (smaller is better)	3858.0
AICC (smaller is better)	3858.1
BIC (smaller is better)	3869.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	31.4285	1.7047	8	18.44	<.0001	0.05	27.4974	35.3596
TIME	1.0562	0.1594	131	6.63	<.0001	0.05	0.7408	1.3716

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.9061	-0.1550
2	TIME	-0.1550	0.02542

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	43.89	<.0001

The current variable is PCTPOOLS

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

The Mixed Procedure

Model Information

Data SetODFW2008.DATA
Dependent VariablePCTP00LS
Covariance StructureVariance Components
Estimation MethodType 3
Residual Variance MethodFactor
Fixed Effects SE MethodModel-Based
Degrees of Freedom MethodContainment

Dimensions

Covariance Parameters3
Columns in X2
Columns in Z267
Subjects1
Max Obs Per Subject402

Number of Observations

Number of Observations Read402
Number of Observations Used402
Number of Observations Not Used0

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	254	243608	959.084915	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	3741.052723	467.631590	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	26709	194.956252	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	4.92	<.0001
YEAR	137	2.40	0.0188
Residual	.	.	.

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	496.39
YEAR	17.0565
Residual	194.96

Fit Statistics

-2 Res Log Likelihood	3643.1
AIC (smaller is better)	3649.1
AICC (smaller is better)	3649.1
BIC (smaller is better)	3659.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	37.2031	3.5770	8	10.40	<.0001	0.05	28.9544	45.4518
TIME	0.5875	0.4913	137	1.20	0.2338	0.05	-0.3839	1.5589

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	12.7952	-1.4460
2	TIME	-1.4460	0.2413

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	1.43	0.2338

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	3
Columns in X	2
Columns in Z	289
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	276	222722	806.963615	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	2022.899106	252.862388	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	9706.381168	72.435680	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	11.14	<.0001
YEAR	134	3.49	0.0011
Residual	.	.	.

The current variable is PCTP00LS

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	494.46
YEAR	11.4387
Residual	72.4357

Fit Statistics

-2 Res Log Likelihood	3643.1
AIC (smaller is better)	3649.1
AICC (smaller is better)	3649.1
BIC (smaller is better)	3659.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	26.1473	2.8811	8	9.08	<.0001	0.05	19.5035	32.7910
TIME	0.1062	0.3778	134	0.28	0.7790	0.05	-0.6410	0.8534

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	8.3006	-0.8659
2	TIME	-0.8659	0.1427

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	0.08	0.7790

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	3
Columns in X	2
Columns in Z	259
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	246	119501	485.776055	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	967.185119	120.898140	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	20022	101.121618	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	4.80	<.0001
YEAR	198	1.20	0.3033
Residual	.	.	.

The current variable is PCTP00LS

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	213.12
YEAR	0.8941
Residual	101.12

Fit Statistics

-2 Res Log Likelihood	3714.9
AIC (smaller is better)	3720.9
AICC (smaller is better)	3721.0
BIC (smaller is better)	3731.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	16.9950	1.5897	8	10.69	<.0001	0.05	13.3292	20.6608
TIME	0.1325	0.1889	198	0.70	0.4839	0.05	-0.2400	0.5050

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.5270	-0.2130
2	TIME	-0.2130	0.03569

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	0.49	0.4839

The current variable is PCTPOOLS
ALL REGIONS

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	PCTPOOLS
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	3
Columns in X	2
Columns in Z	1371
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	1358	1322428	973.805587	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	5129.832681	641.229085	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	121443	154.703898	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	6.29	<.0001
YEAR	785	4.14	<.0001
Residual	.	.	.

The current variable is PCTPOOLS
ALL REGIONS

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The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	519.06
YEAR	5.5871
Residual	154.70

Fit Statistics

-2 Res Log Likelihood	19306.3
AIC (smaller is better)	19312.3
AICC (smaller is better)	19312.3
BIC (smaller is better)	19328.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	29.4676	1.8037	8	16.34	<.0001	0.05	25.3081	33.6270
TIME	0.3917	0.2515	785	1.56	0.1197	0.05	-0.1019	0.8853

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.2535	-0.3786
2	TIME	-0.3786	0.06323

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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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
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	301
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	288	171878	596.797581	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	4798.087560	599.760945	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	21257	142.662952	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	4.18	<.0001
YEAR	149	4.20	0.0001
Residual	.	.	.

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	299.29
YEAR	26.3619
Residual	142.66

Fit Statistics

-2 Res Log Likelihood	3902.9
AIC (smaller is better)	3908.9
AICC (smaller is better)	3909.0
BIC (smaller is better)	3919.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	23.0188	3.7683	8	6.11	0.0003	0.05	14.3291	31.7085
TIME	0.4129	0.5410	149	0.76	0.4466	0.05	-0.6561	1.4819

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	14.2001	-1.7402
2	TIME	-1.7402	0.2927

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	0.58	0.4466

The current variable is PCTSCP00L

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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	3
Columns in X	2
Columns in Z	299
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	286	183987	643.311681	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	1941.329658	242.666207	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	16253	124.066413	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	5.19	<.0001
YEAR	131	1.96	0.0570
Residual	.	.	.

The current variable is PCTSCP00L

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	356.13

YEAR	7.6477
Residual	124.07

Fit Statistics

-2 Res Log Likelihood	3730.3
AIC (smaller is better)	3736.3
AICC (smaller is better)	3736.3
BIC (smaller is better)	3747.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	26.6286	2.6005	8	10.24	<.0001	0.05	20.6319	32.6253
TIME	0.4390	0.3528	131	1.24	0.2156	0.05	-0.2590	1.1370

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	6.7624	-0.7438
2	TIME	-0.7438	0.1245

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	1.55	0.2156

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

Columns in X	2
Columns in Z	267
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	254	200373	788.869556	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	4532.236248	566.529531	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	24519	178.969734	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	4.41	<.0001
YEAR	137	3.17	0.0025
Residual	.	.	.

The current variable is PCTSCP00L

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	396.20
YEAR	24.2428
Residual	178.97

Fit Statistics

-2 Res Log Likelihood	3591.4
AIC (smaller is better)	3597.4
AICC (smaller is better)	3597.4
BIC (smaller is better)	3608.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	30.0175	3.8774	8	7.74	<.0001	0.05	21.0763	38.9587
TIME	0.6526	0.5457	137	1.20	0.2338	0.05	-0.4264	1.7316

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	15.0340	-1.7844
2	TIME	-1.7844	0.2977

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	1.43	0.2338

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	3
Columns in X	2
Columns in Z	289
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	276	172415	624.693109	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	2427.002868	303.375359	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	11245	83.921153	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	7.44	<.0001
YEAR	134	3.62	0.0008
Residual	.	.	.

The current variable is PCTSCP00L

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	364.03
YEAR	13.9130
Residual	83.9212

Fit Statistics

-2 Res Log Likelihood	3601.4
AIC (smaller is better)	3607.4
AICC (smaller is better)	3607.4
BIC (smaller is better)	3618.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	21.7591	2.9999	8	7.25	<.0001	0.05	14.8414	28.6768
TIME	0.3225	0.4097	134	0.79	0.4325	0.05	-0.4877	1.1328

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	8.9991	-1.0169
2	TIME	-1.0169	0.1678

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	0.62	0.4325

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	3
Columns in X	2
Columns in Z	259
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	246	96521	392.362900	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	1112.790443	139.098805	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	13541	68.391401	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	5.74	<.0001
YEAR	198	2.03	0.0443
Residual	.	.	.

The current variable is PCTSCP00L

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	179.50
YEAR	3.1968
Residual	68.3914

Fit Statistics

-2 Res Log Likelihood	3599.3
AIC (smaller is better)	3605.3
AICC (smaller is better)	3605.3
BIC (smaller is better)	3615.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	16.2448	1.7199	8	9.45	<.0001	0.05	12.2787	20.2109
TIME	-0.02917	0.2199	198	-0.13	0.8946	0.05	-0.4628	0.4044

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.9581	-0.2890
2	TIME	-0.2890	0.04835

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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TIME 1 198 0.02 0.8946

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	3
Columns in X	2
Columns in Z	1371
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	1358	918909	676.663257	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	5141.526424	642.690803	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	96722	123.212794	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	5.49	<.0001
YEAR	785	5.22	<.0001
Residual	.	.	.

The current variable is PCTSCP00L

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The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	350.72
YEAR	5.9655
Residual	123.21

Fit Statistics

-2 Res Log Likelihood	18665.5
AIC (smaller is better)	18671.5
AICC (smaller is better)	18671.5
BIC (smaller is better)	18687.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	23.9079	1.7802	8	13.43	<.0001	0.05	19.8027	28.0131
TIME	0.3134	0.2527	785	1.24	0.2153	0.05	-0.1827	0.8095

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.1692	-0.3827
2	TIME	-0.3827	0.06388

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	1.54	0.2153

The current variable is PCTSWPOOL

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

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	3
Columns in X	2
Columns in Z	301
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	288	206915	718.454635	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	2178.265508	272.283189	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	35827	240.448686	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	2.99	<.0001
YEAR	149	1.13	0.3449
Residual	.	.	.

The current variable is PCTSWPOOL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	315.02
YEAR	1.8360

Fit Statistics

-2 Res Log Likelihood	3982.0
AIC (smaller is better)	3988.0
AICC (smaller is better)	3988.1
BIC (smaller is better)	3999.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	9.6098	2.2698	8	4.23	0.0029	0.05	4.3755	14.8440
TIME	-0.04491	0.3103	149	-0.14	0.8851	0.05	-0.6581	0.5682

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	5.1522	-0.5560
2	TIME	-0.5560	0.09628

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	0.02	0.8851

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	3
Columns in X	2

Columns in Z	299
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	286	132711	464.023436	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	935.110209	116.888776	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	18753	143.151064	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	3.24	<.0001
YEAR	131	0.82	0.5893
Residual	.	.	.

The current variable is PCTSWPOOL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	220.07
YEAR	-1.6935
Residual	143.15

Fit Statistics

-2 Res Log Likelihood	3666.4
AIC (smaller is better)	3672.4
AICC (smaller is better)	3672.4
BIC (smaller is better)	3683.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	4.9349	1.5392	8	3.21	0.0125	0.05	1.3854	8.4844
TIME	0.6394	0.1935	131	3.30	0.0012	0.05	0.2565	1.0222

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.3693	-0.2242
2	TIME	-0.2242	0.03745

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	10.92	0.0012

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	3
Columns in X	2
Columns in Z	267
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	254	98683	388.514084	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	557.110734	69.638842	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	12442	90.821120	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	4.28	<.0001
YEAR	137	0.77	0.6326
Residual	.	.	.

The current variable is PCTSWPOOL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	193.39
YEAR	-1.3250
Residual	90.8211

Fit Statistics

-2 Res Log Likelihood	3275.6
AIC (smaller is better)	3281.6
AICC (smaller is better)	3281.6
BIC (smaller is better)	3292.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	7.2016	1.3323	8	5.41	0.0006	0.05	4.1294	10.2739
TIME	-0.05750	0.1548	137	-0.37	0.7109	0.05	-0.3636	0.2486

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	1.7750	-0.1426
2	TIME	-0.1426	0.02396

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	0.14	0.7109

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	3
Columns in X	2
Columns in Z	289
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	276	42610	154.384502	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	239.658956	29.957369	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	4755.842355	35.491361	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	4.35	<.0001
YEAR	134	0.84	0.5656
Residual	.	.	.

The current variable is PCTSWPOOL

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	80.0354
YEAR	-0.3508
Residual	35.4914

Fit Statistics

-2 Res Log Likelihood	3124.9
AIC (smaller is better)	3130.9
AICC (smaller is better)	3130.9
BIC (smaller is better)	3141.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	3.7018	0.8981	8	4.12	0.0033	0.05	1.6308	5.7729
TIME	-0.1006	0.1063	134	-0.95	0.3458	0.05	-0.3109	0.1097

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.8066	-0.07078
2	TIME	-0.07078	0.01130

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	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	3
Columns in X	2
Columns in Z	259
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	246	13133	53.384603	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	192.085760	24.010720	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	6835.556735	34.523014	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	1.55	0.0007
YEAR	198	0.70	0.6953
Residual	.	.	.

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	10.4503
YEAR	-0.4753
Residual	34.5230

Fit Statistics

-2 Res Log Likelihood	2982.5
AIC (smaller is better)	2988.5
AICC (smaller is better)	2988.6
BIC (smaller is better)	2999.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.9248	0.4612	8	2.01	0.0799	0.05	-0.1388	1.9885
TIME	0.1444	0.05857	198	2.46	0.0146	0.05	0.02886	0.2599

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2127	-0.02037
2	TIME	-0.02037	0.003430

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	6.07	0.0146

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	3
Columns in X	2
Columns in Z	1371
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	1358	524021	385.876831	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	554.175655	69.271957	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	83194	105.979756	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	3.64	<.0001
YEAR	785	0.65	0.7326
Residual	.	.	.

The current variable is PCTSWPOOL
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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	177.37
YEAR	-0.4215
Residual	105.98

Fit Statistics

-2 Res Log Likelihood	17731.0
AIC (smaller is better)	17737.0
AICC (smaller is better)	17737.0
BIC (smaller is better)	17752.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	5.2055	0.5244	8	9.93	<.0001	0.05	3.9963	6.4147
TIME	0.1403	0.05801	785	2.42	0.0158	0.05	0.02643	0.2542

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2750	-0.02001
2	TIME	-0.02001	0.003365

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	5.85	0.0158

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	3
Columns in X	2
Columns in Z	301

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	278	37.493023	0.134867	Var(Residual) + 1.4964 Var(ID_NUM)	MS(Residual)
YEAR	8	0.640185	0.080023	Var(Residual) + 16.239 Var(YEAR)	MS(Residual)
Residual	138	2.499622	0.018113	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	138	0.00	.
ID_NUM	138	7.45	<.0001
YEAR	138	4.42	<.0001
Residual	.	.	.

The current variable is SCRPOOLD

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.07802
YEAR	0.003812
Residual	0.01811

Fit Statistics

-2 Res Log Likelihood	77.3
AIC (smaller is better)	83.3
AICC (smaller is better)	83.3
BIC (smaller is better)	94.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.6426	0.04696	8	13.68	<.0001	0.05	0.5343	0.7509
TIME	0.002234	0.006557	138	0.34	0.7339	0.05	-0.01073	0.01520

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.002205	-0.00026
2	TIME	-0.00026	0.000043

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	138	0.12	0.7339

The current variable is SCRPOOLD173

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GCG=2-MC

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	3
Columns in X	2
Columns in Z	299
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	283	34.710196	0.122651	Var(Residual) + 1.4594 Var(ID_NUM)	MS(Residual)
YEAR	8	0.680539	0.085067	Var(Residual) + 15.392 Var(YEAR)	MS(Residual)
Residual	130	5.805032	0.044654	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	130	0.00	.
ID_NUM	130	2.75	<.0001
YEAR	130	1.91	0.0644
Residual	.	.	.

The current variable is SCRPOOLD

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.05345
YEAR	0.002626
Residual	0.04465

Fit Statistics

-2 Res Log Likelihood	165.5
AIC (smaller is better)	171.5
AICC (smaller is better)	171.6
BIC (smaller is better)	182.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.5976	0.04460	8	13.40	<.0001	0.05	0.4948	0.7005
TIME	-0.00156	0.006314	130	-0.25	0.8046	0.05	-0.01406	0.01093

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	0.001989	-0.00024
2	TIME	-0.00024	0.000040

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	130	0.06	0.8046

The current variable is SCRPOOLD

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

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	3
Columns in X	2
Columns in Z	267
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	249	50.225794	0.201710	Var(Residual) + 1.5261 Var(ID_NUM)	MS(Residual)
YEAR	8	2.785908	0.348239	Var(Residual) + 15.34 Var(YEAR)	MS(Residual)
Residual	131	4.936066	0.037680	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	5.35	<.0001
YEAR	131	9.24	<.0001
Residual	.	.	.

The current variable is SCRPOOLD

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.1075
YEAR	0.02025
Residual	0.03768

Fit Statistics

-2 Res Log Likelihood	221.6
AIC (smaller is better)	227.6
AICC (smaller is better)	227.6
BIC (smaller is better)	238.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.5491	0.09836	8	5.58	0.0005	0.05	0.3222	0.7759
TIME	0.01023	0.01422	131	0.72	0.4729	0.05	-0.01789	0.03836

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.009675	-0.00121
2	TIME	-0.00121	0.000202

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	0.52	0.4729

----- 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	3
Columns in X	2
Columns in Z	289
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	261	32.885214	0.125997	Var(Residual) + 1.4981 Var(ID_NUM)	MS(Residual)
YEAR	8	0.305525	0.038191	Var(Residual) + 15.331 Var(YEAR)	MS(Residual)
Residual	130	3.330689	0.025621	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	130	0.00	.
ID_NUM	130	4.92	<.0001
YEAR	130	1.49	0.1666
Residual	.	.	.

The current variable is SCRPOOLD

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.06700
YEAR	0.000820
Residual	0.02562

Fit Statistics

-2 Res Log Likelihood	79.8
AIC (smaller is better)	85.8
AICC (smaller is better)	85.8
BIC (smaller is better)	96.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.5707	0.03345	8	17.06	<.0001	0.05	0.4935	0.6478
TIME	-0.00413	0.004355	130	-0.95	0.3451	0.05	-0.01274	0.004489

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.001119	-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	130	0.90	0.3451

The current variable is SCRP00LD

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The Mixed Procedure

Model Information

Data Set	ODFW2008.DATA
Dependent Variable	SCRP00LD

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	3
Columns in X	2
Columns in Z	259
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	224	45.528824	0.203254	Var(Residual) + 1.8125 Var(ID_NUM)	MS(Residual)
YEAR	8	0.420972	0.052622	Var(Residual) + 20.639 Var(YEAR)	MS(Residual)
Residual	182	2.297489	0.012624	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	182	0.00	.
ID_NUM	182	16.10	<.0001
YEAR	182	4.17	0.0001
Residual	.	.	.

The current variable is SCRPOOLD

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.1052
YEAR	0.001938

Fit Statistics

-2 Res Log Likelihood	-29.4
AIC (smaller is better)	-23.4
AICC (smaller is better)	-23.3
BIC (smaller is better)	-12.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.6268	0.03833	8	16.35	<.0001	0.05	0.5384	0.7152
TIME	-0.00430	0.004702	182	-0.92	0.3613	0.05	-0.01358	0.004974

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.001469	-0.00013
2	TIME	-0.00013	0.000022

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	182	0.84	0.3613

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	3
Columns in X	2
Columns in Z	1371
Subjects	1

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	1303	208.681526	0.160155	Var(Residual) + 1.5733 Var(ID_NUM)	MS(Residual)
YEAR	8	1.186728	0.148341	Var(Residual) + 83.187 Var(YEAR)	MS(Residual)
Residual	747	22.827212	0.030559	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	747	0.00	.
ID_NUM	747	5.24	<.0001
YEAR	747	4.85	<.0001
Residual	.	.	.

The current variable is SCRP00LD
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.08237
YEAR	0.001416
Residual	0.03056

Fit Statistics

-2 Res Log Likelihood	641.8
AIC (smaller is better)	647.8
AICC (smaller is better)	647.8
BIC (smaller is better)	663.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.6041	0.02763	8	21.86	<.0001	0.05	0.5404	0.6678
TIME	-0.00072	0.003924	747	-0.18	0.8552	0.05	-0.00842	0.006987

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000763	-0.00009
2	TIME	-0.00009	0.000015

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	747	0.03	0.8552

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	3
Columns in X	2
Columns in Z	301
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	256	2.400974	0.009379	Var(Residual) + 1.4961 Var(ID_NUM)	MS(Residual)
YEAR	8	0.199440	0.024930	Var(Residual) + 15.035 Var(YEAR)	MS(Residual)
Residual	127	0.518415	0.004082	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	127	0.00	.
ID_NUM	127	2.30	<.0001
YEAR	127	6.11	<.0001
Residual	.	.	.

The current variable is RIFFLEDEP

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.003540
YEAR	0.001387
Residual	0.004082

Fit Statistics

-2 Res Log Likelihood	-808.9
AIC (smaller is better)	-802.9
AICC (smaller is better)	-802.8
BIC (smaller is better)	-791.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.2004	0.02559	8	7.83	<.0001	0.05	0.1414	0.2594
TIME	-0.00780	0.003753	127	-2.08	0.0396	0.05	-0.01523	-0.00038

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	0.000655	-0.00008
2	TIME	-0.00008	0.000014

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	127	4.32	0.0396

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	3
Columns in X	2
Columns in Z	299
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	268	2.362865	0.008817	Var(Residual) + 1.4515 Var(ID_NUM)	MS(Residual)
YEAR	8	0.018716	0.002339	Var(Residual) + 14.444 Var(YEAR)	MS(Residual)
Residual	121	0.267053	0.002207	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	121	0.00	.
ID_NUM	121	3.99	<.0001
YEAR	121	1.06	0.3957
Residual	.	.	.

The current variable is RIFFLEDEP

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.004554
YEAR	9.169E-6
Residual	0.002207

Fit Statistics

-2 Res Log Likelihood	-912.0
AIC (smaller is better)	-906.0
AICC (smaller is better)	-905.9
BIC (smaller is better)	-895.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.1325	0.007873	8	16.83	<.0001	0.05	0.1144	0.1507
TIME	0.000683	0.001025	121	0.67	0.5067	0.05	-0.00135	0.002713

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000062	-6.25E-6
2	TIME	-6.25E-6	1.051E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	121	0.44	0.5067

The current variable is RIFFLEDEP

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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	3
Columns in X	2
Columns in Z	267
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	234	1.894837	0.008098	Var(Residual) + 1.4957 Var(ID_NUM)	MS(Residual)
YEAR	8	0.169194	0.021149	Var(Residual) + 13.74 Var(YEAR)	MS(Residual)
Residual	116	0.196130	0.001691	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	116	0.00	.
ID_NUM	116	4.79	<.0001
YEAR	116	12.51	<.0001
Residual	.	.	.

The current variable is RIFFLEDEP

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GCG=3-MS

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.004283
YEAR	0.001416
Residual	0.001691

Fit Statistics

-2 Res Log Likelihood	-877.9
AIC (smaller is better)	-871.9
AICC (smaller is better)	-871.9
BIC (smaller is better)	-861.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.1157	0.02546	8	4.54	0.0019	0.05	0.05695	0.1744
TIME	0.000036	0.003712	116	0.01	0.9924	0.05	-0.00732	0.007387

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000648	-0.00008
2	TIME	-0.00008	0.000014

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	116	0.00	0.9924

The current variable is RIFFLEDEP

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----- 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	3
Columns in X	2
Columns in Z	289
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	240	2.654244	0.011059	Var(Residual) + 1.4625 Var(ID_NUM)	MS(Residual)
YEAR	8	0.098726	0.012341	Var(Residual) + 13.311 Var(YEAR)	MS(Residual)
Residual	111	0.271499	0.002446	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	111	0.00	.
ID_NUM	111	4.52	<.0001
YEAR	111	5.05	<.0001
Residual	.	.	.

The current variable is RIFFLEDEP

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.005890
YEAR	0.000743
Residual	0.002446

Fit Statistics

-2 Res Log Likelihood	-741.5
AIC (smaller is better)	-735.5
AICC (smaller is better)	-735.4
BIC (smaller is better)	-724.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.1437	0.01985	8	7.24	<.0001	0.05	0.09796	0.1895
TIME	-0.00288	0.002846	111	-1.01	0.3135	0.05	-0.00852	0.002758

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000394	-0.00005
2	TIME	-0.00005	8.1E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	111	1.03	0.3135

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	3
Columns in X	2
Columns in Z	259

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	202	3.077881	0.015237	Var(Residual) + 1.7525 Var(ID_NUM)	MS(Residual)
YEAR	8	0.056272	0.007034	Var(Residual) + 17.371 Var(YEAR)	MS(Residual)
Residual	152	0.396249	0.002607	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	152	0.00	.
ID_NUM	152	5.84	<.0001
YEAR	152	2.70	0.0084
Residual	.	.	.

The current variable is RIFFLEDEP

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.007207
YEAR	0.000255
Residual	0.002607

Fit Statistics

-2 Res Log Likelihood	-768.3
AIC (smaller is better)	-762.3
AICC (smaller is better)	-762.2
BIC (smaller is better)	-751.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.1635	0.01370	8	11.94	<.0001	0.05	0.1319	0.1951
TIME	-0.00147	0.001826	152	-0.80	0.4229	0.05	-0.00508	0.002141

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000188	-0.00002
2	TIME	-0.00002	3.336E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	152	0.65	0.4229

The current variable is RIFFLEDEP

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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	3
Columns in X	2
Columns in Z	1371
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	1208	13.582810	0.011244	Var(Residual) + 1.5488 Var(ID_NUM)	MS(Residual)
YEAR	8	0.275274	0.034409	Var(Residual) + 74.242 Var(YEAR)	MS(Residual)
Residual	663	1.994865	0.003009	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	663	0.00	.
ID_NUM	663	3.74	<.0001
YEAR	663	11.44	<.0001
Residual	.	.	.

The current variable is RIFFLEDEP 194
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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.005317
YEAR	0.000423
Residual	0.003009

Fit Statistics

-2 Res Log Likelihood	-4002.1
AIC (smaller is better)	-3996.1
AICC (smaller is better)	-3996.1
BIC (smaller is better)	-3980.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.1525	0.01387	8	10.99	<.0001	0.05	0.1205	0.1844
TIME	-0.00255	0.002026	663	-1.26	0.2087	0.05	-0.00653	0.001429

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000192	-0.00002

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	663	1.58	0.2087

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	3
Columns in X	2
Columns in Z	301
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	286	52799493	184614	Var(Residual) + 1.5175 Var(ID_NUM)	MS(Residual)
YEAR	8	4459152	557394	Var(Residual) + 17.224 Var(YEAR)	MS(Residual)
Residual	148	13297010	89845	Var(Residual)	.

Type 3 Analysis of Variance

Error

Source	DF	F Value	Pr > F
TIME	148	0.00	.
ID_NUM	148	2.05	<.0001
YEAR	148	6.20	<.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	62451
YEAR	27145
Residual	89845

Fit Statistics

-2 Res Log Likelihood	6525.9
AIC (smaller is better)	6531.9
AICC (smaller is better)	6531.9
BIC (smaller is better)	6542.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	146.18	112.71	8	1.30	0.2308	0.05	-113.72	406.08
TIME	17.5571	16.5428	148	1.06	0.2903	0.05	-15.1335	50.2477

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	12703	-1634.30
2	TIME	-1634.30	273.66

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	148	1.13	0.2903

The current variable is LRGBLDR

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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	3
Columns in X	2
Columns in Z	299
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	284	58115994	204634	Var(Residual) + 1.4577 Var(ID_NUM)	MS(Residual)
YEAR	8	53546	6693.231293	Var(Residual) + 15.405 Var(YEAR)	MS(Residual)
Residual	130	1648554	12681	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	130	0.00	.
ID_NUM	130	16.14	<.0001
YEAR	130	0.53	0.8339
Residual	.	.	.

The current variable is LRGBLDR

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	131678
YEAR	-388.71
Residual	12681

Fit Statistics

-2 Res Log Likelihood	6010.0
AIC (smaller is better)	6016.0
AICC (smaller is better)	6016.1
BIC (smaller is better)	6027.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	213.70	23.9075	8	8.94	<.0001	0.05	158.57	268.83
TIME	5.2465	1.7304	130	3.03	0.0029	0.05	1.8232	8.6698

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	571.57	-18.1111
2	TIME	-18.1111	2.9942

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	130	9.19	0.0029

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	3
Columns in X	2
Columns in Z	267
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	251	64109348	255416	Var(Residual) + 1.5378 Var(ID_NUM)	MS(Residual)
YEAR	8	1435743	179468	Var(Residual) + 15.769 Var(YEAR)	MS(Residual)
Residual	135	12167312	90128	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	135	0.00	.
ID_NUM	135	2.83	<.0001
YEAR	135	1.99	0.0520
Residual	.	.	.

The current variable is LRGBLDR
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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	107480
YEAR	5665.41
Residual	90128

Fit Statistics

-2 Res Log Likelihood	5908.7
AIC (smaller is better)	5914.7
AICC (smaller is better)	5914.8
BIC (smaller is better)	5925.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	77.7219	65.4019	8	1.19	0.2688	0.05	-73.0952	228.54
TIME	33.7211	9.2380	135	3.65	0.0004	0.05	15.4512	51.9910

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	4277.41	-509.67
2	TIME	-509.67	85.3408

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	135	13.32	0.0004

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	3
Columns in X	2
Columns in Z	289
Subjects	1

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	270	27948463	103513	Var(Residual) + 1.4889 Var(ID_NUM)	MS(Residual)
YEAR	8	291225	36403	Var(Residual) + 15.562 Var(YEAR)	MS(Residual)
Residual	132	3454826	26173	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	132	0.00	.
ID_NUM	132	3.95	<.0001
YEAR	132	1.39	0.2061
Residual	.	.	.

The current variable is LRGBLDR

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	51945
YEAR	657.39
Residual	26173

Fit Statistics

-2 Res Log Likelihood	5754.9
AIC (smaller is better)	5760.9
AICC (smaller is better)	5760.9
BIC (smaller is better)	5771.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	251.13	31.0611	8	8.08	<.0001	0.05	179.50	322.75
TIME	-1.0143	4.0997	132	-0.25	0.8050	0.05	-9.1238	7.0953

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	964.79	-103.11
2	TIME	-103.11	16.8072

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	132	0.06	0.8050

The current variable is LRGBLDR

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

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	3
Columns in X	2
Columns in Z	259
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	246	221861190	901875	Var(Residual) + 1.7967 Var(ID_NUM)	MS(Residual)
YEAR	8	23279851	2909981	Var(Residual) + 21.885 Var(YEAR)	MS(Residual)
Residual	196	472452803	2410473	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	196	0.00	.
ID_NUM	196	0.37	1.0000
YEAR	196	1.21	0.2965
Residual	.	.	.

The current variable is LRGBLDR

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-839627
YEAR	22824
Residual	2410473

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	457.43	153.25	8	2.98	0.0175	0.05	104.04	810.83
TIME	-14.7549	25.7340	196	-0.57	0.5671	0.05	-65.5059	35.9961

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	23486	-3441.14
2	TIME	-3441.14	662.24

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	196	0.33	0.5671

The current variable is LRGBLDR
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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	3
Columns in X	2
Columns in Z	1371
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	1345	435929482	324111	Var(Residual) + 1.5777 Var(ID_NUM)	MS(Residual)
YEAR	8	4084995	510624	Var(Residual) + 86.199 Var(YEAR)	MS(Residual)
Residual	777	530061895	682190	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
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TIME	777	0.00	.
ID_NUM	777	0.48	1.0000
YEAR	777	0.75	0.6486
Residual	.	.	.

The current variable is LRGBLDR

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-226963
YEAR	-1990.35
Residual	682190

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	153.51	8.5364	8	17.98	<.0001	0.05	133.82	173.19
TIME	16.4845	2.7920	777	5.90	<.0001	0.05	11.0038	21.9652

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	72.8695	-23.8334
2	TIME	-23.8334	7.7952

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	777	34.86	<.0001

The current variable is PCTSNDOR

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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	3
Columns in X	2
Columns in Z	301
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	288	295990	1027.743352	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	4373.428362	546.678545	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	8655.933946	58.093516	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	17.69	<.0001
YEAR	149	9.41	<.0001
Residual	.	.	.

The current variable is PCTSNDOR

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Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	639.04
YEAR	28.1779
Residual	58.0935

Fit Statistics

-2 Res Log Likelihood	3854.8
AIC (smaller is better)	3860.8
AICC (smaller is better)	3860.8
BIC (smaller is better)	3871.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	35.7314	3.8824	8	9.20	<.0001	0.05	26.7786	44.6842
TIME	-0.9703	0.5334	149	-1.82	0.0709	0.05	-2.0243	0.08368

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	15.0729	-1.6974
2	TIME	-1.6974	0.2845

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	3.31	0.0709

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

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	299
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	286	181912	636.055654	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	3016.330310	377.041289	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	10823	82.619789	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	7.70	<.0001
YEAR	131	4.56	<.0001
Residual	.	.	.

The current variable is PCTSNDOR

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	379.57
YEAR	18.9852
Residual	82.6198

Fit Statistics

-2 Res Log Likelihood	3673.9
AIC (smaller is better)	3679.9
AICC (smaller is better)	3680.0
BIC (smaller is better)	3690.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	30.9909	3.3113	8	9.36	<.0001	0.05	23.3550	38.6269
TIME	0.03492	0.4627	131	0.08	0.9399	0.05	-0.8803	0.9502

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	10.9649	-1.2797
2	TIME	-1.2797	0.2140

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	0.01	0.9399

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	3
Columns in X	2
Columns in Z	267
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	254	285464	1123.874581	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	1239.815298	154.976912	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	11220	81.900890	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	13.72	<.0001
YEAR	137	1.89	0.0659
Residual	.	.	.

The current variable is PCTSNDOR

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	676.88
YEAR	4.5711
Residual	81.9009

Fit Statistics

-2 Res Log Likelihood	3541.6
AIC (smaller is better)	3547.6
AICC (smaller is better)	3547.7
BIC (smaller is better)	3558.2

Solution for Fixed Effects

Standard

Effect	Estimate	Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	28.2929	2.5294	8	11.19	<.0001	0.05	22.4602	34.1257
TIME	1.1336	0.2921	137	3.88	0.0002	0.05	0.5560	1.7113

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	6.3978	-0.5114
2	TIME	-0.5114	0.08534

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	15.06	0.0002

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	3
Columns in X	2
Columns in Z	289
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	276	184383	668.052649	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	1477.144319	184.643040	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	12432	92.776379	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	7.20	<.0001
YEAR	134	1.99	0.0522
Residual	.	.	.

The current variable is PCTSNDOR

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	387.26
YEAR	5.8242
Residual	92.7764

Fit Statistics

-2 Res Log Likelihood	3620.7
AIC (smaller is better)	3626.7
AICC (smaller is better)	3626.7
BIC (smaller is better)	3637.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	26.9755	2.4191	8	11.15	<.0001	0.05	21.3971	32.5539
TIME	-0.04478	0.3124	134	-0.14	0.8862	0.05	-0.6628	0.5732

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	5.8519	-0.5961

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	0.02	0.8862

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	3
Columns in X	2
Columns in Z	259
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	246	153255	622.985827	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	2152.140002	269.017500	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	12732	64.300527	Var(Residual)	.

Type 3 Analysis of Variance

Error

Source	DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	9.69	<.0001
YEAR	198	4.18	0.0001
Residual	.	.	.

The current variable is PCTSNDOR

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	309.54
YEAR	9.2555
Residual	64.3005

Fit Statistics

-2 Res Log Likelihood	3731.0
AIC (smaller is better)	3737.0
AICC (smaller is better)	3737.0
BIC (smaller is better)	3747.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	21.9717	2.4512	8	8.96	<.0001	0.05	16.3193	27.6242
TIME	0.2022	0.3219	198	0.63	0.5307	0.05	-0.4325	0.8369

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	6.0084	-0.6200
2	TIME	-0.6200	0.1036

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	0.39	0.5307

The current variable is PCTSNDOR

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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	3
Columns in X	2
Columns in Z	1371
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	1358	1159450	853.792153	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	1272.645530	159.080691	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	72518	92.379581	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	9.24	<.0001
YEAR	785	1.72	0.0897
Residual	.	.	.

The current variable is PCTSNDOR
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Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	482.50
YEAR	0.7660
Residual	92.3796

Fit Statistics

-2 Res Log Likelihood	18643.1
AIC (smaller is better)	18649.1
AICC (smaller is better)	18649.1
BIC (smaller is better)	18664.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	29.1322	1.0052	8	28.98	<.0001	0.05	26.8143	31.4501
TIME	0.03456	0.1215	785	0.28	0.7762	0.05	-0.2040	0.2732

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.0104	-0.08834
2	TIME	-0.08834	0.01477

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	0.08	0.7762

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

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	301
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	288	76384	265.221102	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	2044.784602	255.598075	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	9599.494221	64.426136	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	4.12	<.0001
YEAR	149	3.97	0.0003
Residual	.	.	.

The current variable is PCTGRAVEL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	132.33
YEAR	11.0253
Residual	64.4261

Fit Statistics

-2 Res Log Likelihood	3508.0
AIC (smaller is better)	3514.0
AICC (smaller is better)	3514.1
BIC (smaller is better)	3525.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	24.2171	2.4559	8	9.86	<.0001	0.05	18.5538	29.8805
TIME	0.9377	0.3522	149	2.66	0.0086	0.05	0.2417	1.6337

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	6.0315	-0.7373
2	TIME	-0.7373	0.1241

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	7.09	0.0086

The current variable is PCTGRAVEL

221
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----- 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	3
Columns in X	2
Columns in Z	299
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	286	84394	295.082745	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	1690.840045	211.355006	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	14218	108.536171	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	2.72	<.0001
YEAR	131	1.95	0.0582
Residual	.	.	.

The current variable is PCTGRAVEL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	127.94
YEAR	6.6301
Residual	108.54

Fit Statistics

-2 Res Log Likelihood	3472.2
AIC (smaller is better)	3478.2
AICC (smaller is better)	3478.3
BIC (smaller is better)	3489.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
--------	----------	----------------	----	---------	---------	-------	-------	-------

Intercept	33.3520	2.2145	8	15.06	<.0001	0.05	28.2454	38.4586
TIME	-0.2556	0.3142	131	-0.81	0.4174	0.05	-0.8772	0.3660

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	4.9040	-0.5902
2	TIME	-0.5902	0.09874

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	0.66	0.4174

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	3
Columns in X	2
Columns in Z	267
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	254	88561	348.664123	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	2612.958276	326.619784	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	12280	89.635820	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	3.89	<.0001
YEAR	137	3.64	0.0007
Residual	.	.	.

The current variable is PCTGRAVEL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	168.27
YEAR	14.8239
Residual	89.6358

Fit Statistics

-2 Res Log Likelihood	3281.9
AIC (smaller is better)	3287.9
AICC (smaller is better)	3288.0
BIC (smaller is better)	3298.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	31.0965	2.9126	8	10.68	<.0001	0.05	24.3801	37.8129
TIME	-0.4870	0.4149	137	-1.17	0.2426	0.05	-1.3075	0.3335

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	8.4831	-1.0319
2	TIME	-1.0319	0.1722

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	1.38	0.2426

The current variable is PCTGRAVEL

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11:01 Saturday, August 29, 2009

----- 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	3
Columns in X	2
Columns in Z	289
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	276	67232	243.595197	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	2516.981307	314.622663	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	6717.302393	50.129122	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
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TIME	134	0.00	.
ID_NUM	134	4.86	<.0001
YEAR	134	6.28	<.0001
Residual	.	.	.

The current variable is PCTGRAVEL

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	130.24
YEAR	16.7684
Residual	50.1291

Fit Statistics

-2 Res Log Likelihood	3262.5
AIC (smaller is better)	3268.5
AICC (smaller is better)	3268.6
BIC (smaller is better)	3279.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	26.8434	2.9149	8	9.21	<.0001	0.05	20.1217	33.5652
TIME	0.02313	0.4179	134	0.06	0.9559	0.05	-0.8033	0.8496

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	8.4966	-1.0528
2	TIME	-1.0528	0.1746

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	0.00	0.9559

The current variable is PCTGRAVEL

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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	3
Columns in X	2
Columns in Z	259
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	246	47755	194.125437	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	795.354078	99.419260	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	10642	53.749494	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	3.61	<.0001
YEAR	198	1.85	0.0700
Residual	.	.	.

The current variable is PCTGRAVEL

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Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	77.7759
YEAR	2.0648
Residual	53.7495

Fit Statistics

-2 Res Log Likelihood	3406.7
AIC (smaller is better)	3412.7
AICC (smaller is better)	3412.8
BIC (smaller is better)	3423.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	26.9622	1.3587	8	19.84	<.0001	0.05	23.8291	30.0954
TIME	-0.05444	0.1817	198	-0.30	0.7648	0.05	-0.4128	0.3039

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.8460	-0.1973
2	TIME	-0.1973	0.03302

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	0.09	0.7648

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	3
Columns in X	2
Columns in Z	1371
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	1358	380182	279.957015	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	1824.898024	228.112253	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	63739	81.195857	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	3.45	<.0001
YEAR	785	2.81	0.0045
Residual	.	.	.

The current variable is PCTGRAVEL
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	125.95
YEAR	1.6871
Residual	81.1959

Fit Statistics

-2 Res Log Likelihood	17114.7
AIC (smaller is better)	17120.7
AICC (smaller is better)	17120.7
BIC (smaller is better)	17136.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	28.3565	1.0229	8	27.72	<.0001	0.05	25.9977	30.7152
TIME	0.05271	0.1448	785	0.36	0.7159	0.05	-0.2315	0.3369

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.0463	-0.1254
2	TIME	-0.1254	0.02096

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	0.13	0.7159

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	3
Columns in X	2
Columns in Z	301
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	288	39731	137.954504	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	52.349304	6.543663	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	2009.489339	13.486506	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	10.23	<.0001
YEAR	149	0.49	0.8653
Residual	.	.	.

The current variable is PCTBEDROCK

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	82.0293
YEAR	-0.4004
Residual	13.4865

Fit Statistics

-2 Res Log Likelihood	3092.1
AIC (smaller is better)	3098.1
AICC (smaller is better)	3098.2
BIC (smaller is better)	3109.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
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Intercept	8.0027	0.5770	8	13.87	<.0001	0.05	6.6721	9.3334
TIME	0.006303	0.04232	149	0.15	0.8818	0.05	-0.07732	0.08993

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.3330	-0.00932
2	TIME	-0.00932	0.001791

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	0.02	0.8818

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	3
Columns in X	2
Columns in Z	299
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
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TIME	0	0	0	0	MS(Residual)
ID_NUM	286	85263	298.122106	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	188.829204	23.603650	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	2580.807276	19.700819	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	15.13	<.0001
YEAR	131	1.20	0.3050
Residual	.	.	.

The current variable is PCTBEDROCK

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	190.96
YEAR	0.2517
Residual	19.7008

Fit Statistics

-2 Res Log Likelihood	3157.9
AIC (smaller is better)	3163.9
AICC (smaller is better)	3163.9
BIC (smaller is better)	3174.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	9.9688	1.1006	8	9.06	<.0001	0.05	7.4309	12.5067
TIME	0.04659	0.1140	131	0.41	0.6834	0.05	-0.1789	0.2721

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.2112	-0.07768
2	TIME	-0.07768	0.01299

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	0.17	0.6834

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
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	267
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	254	70339	276.925592	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	77.802706	9.725338	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	2833.901641	20.685413	Var(Residual)	.

Type 3 Analysis of Variance

Error

Source	DF	F Value	Pr > F
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TIME	137	0.00	.
ID_NUM	137	13.39	<.0001
YEAR	137	0.47	0.8755
Residual	.	.	.

The current variable is PCTBEDROCK

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	166.46
YEAR	-0.6856
Residual	20.6854

Fit Statistics

-2 Res Log Likelihood	2948.6
AIC (smaller is better)	2954.6
AICC (smaller is better)	2954.6
BIC (smaller is better)	2965.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	10.2820	0.8588	8	11.97	<.0001	0.05	8.3015	12.2624
TIME	-0.05944	0.04914	137	-1.21	0.2285	0.05	-0.1566	0.03773

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.7376	-0.01408
2	TIME	-0.01408	0.002415

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	1.46	0.2285

The current variable is PCTBEDROCK

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11:01 Saturday, August 29, 2009

----- 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	3
Columns in X	2
Columns in Z	289
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	276	101030	366.049830	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	464.710056	58.088757	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	5542.738315	41.363719	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	8.85	<.0001
YEAR	134	1.40	0.2002
Residual	.	.	.

The current variable is PCTBEDROCK

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

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	218.57
YEAR	1.0603
Residual	41.3637

Fit Statistics

-2 Res Log Likelihood	3323.4
AIC (smaller is better)	3329.4
AICC (smaller is better)	3329.5
BIC (smaller is better)	3340.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	13.5165	1.4674	8	9.21	<.0001	0.05	10.1326	16.9004
TIME	0.09662	0.1736	134	0.56	0.5788	0.05	-0.2468	0.4400

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.1534	-0.1855
2	TIME	-0.1855	0.03014

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	0.31	0.5788

The current variable is PCTBEDROCK

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11:01 Saturday, August 29, 2009

----- 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

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	259
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	246	54355	220.955964	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	462.739972	57.842496	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	3273.241732	16.531524	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	13.37	<.0001
YEAR	198	3.50	0.0008
Residual	.	.	.

The current variable is PCTBEDROCK

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11:01 Saturday, August 29, 2009

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	113.26
YEAR	1.8677
Residual	16.5315

Fit Statistics

-2 Res Log Likelihood	3156.2
AIC (smaller is better)	3162.2
AICC (smaller is better)	3162.3
BIC (smaller is better)	3172.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	8.3550	1.2127	8	6.89	0.0001	0.05	5.5585	11.1515
TIME	0.07892	0.1486	198	0.53	0.5959	0.05	-0.2141	0.3719

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.4706	-0.1321
2	TIME	-0.1321	0.02208

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	0.28	0.5959

The current variable is PCTBEDROCK

ALL REGIONS

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11:01 Saturday, August 29, 2009

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	3
Columns in X	2
Columns in Z	1371
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	1358	366398	269.806872	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	249.557985	31.194748	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	17301	22.040024	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	12.24	<.0001
YEAR	785	1.42	0.1861
Residual	.	.	.

The current variable is PCTBEDROCK
ALL REGIONS

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11:01 Saturday, August 29, 2009

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	157.01
YEAR	0.1051
Residual	22.0400

Fit Statistics

-2 Res Log Likelihood	15834.7
AIC (smaller is better)	15840.7
AICC (smaller is better)	15840.7
BIC (smaller is better)	15856.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	9.9826	0.4916	8	20.31	<.0001	0.05	8.8490	11.1163

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2417	-0.01721
2	TIME	-0.01721	0.002879

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	0.68	0.4096

The current variable is POOL1P_KM

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11:01 Saturday, August 29, 2009

----- 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	3
Columns in X	2
Columns in Z	301
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	288	3812.780472	13.238821	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	43.461405	5.432676	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	829.713562	5.568547	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	2.38	<.0001
YEAR	149	0.98	0.4574
Residual	.	.	.

The current variable is POOL1P_KM

244

11:01 Saturday, August 29, 2009

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	5.0550
YEAR	-0.00784
Residual	5.5685

Fit Statistics

-2 Res Log Likelihood	2295.4
AIC (smaller is better)	2301.4
AICC (smaller is better)	2301.4
BIC (smaller is better)	2312.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	2.7604	0.2931	8	9.42	<.0001	0.05	2.0846	3.4362
TIME	-0.08915	0.04046	149	-2.20	0.0291	0.05	-0.1691	-0.00921

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.08589	-0.00936
2	TIME	-0.00936	0.001637

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	4.86	0.0291

The current variable is POOL1P_KM

245

11:01 Saturday, August 29, 2009

----- 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	3
Columns in X	2
Columns in Z	299
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	286	2459.741185	8.600494	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	12.179577	1.522447	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	195.703537	1.493920	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.

ID_NUM	131	5.76	<.0001
YEAR	131	1.02	0.4249
Residual	.	.	.

The current variable is P00L1P_KM

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11:01 Saturday, August 29, 2009

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	4.8741
YEAR	0.001840
Residual	1.4939

Fit Statistics

-2 Res Log Likelihood	1846.2
AIC (smaller is better)	1852.2
AICC (smaller is better)	1852.3
BIC (smaller is better)	1863.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	1.5987	0.2146	8	7.45	<.0001	0.05	1.1038	2.0936
TIME	0.01649	0.02614	131	0.63	0.5292	0.05	-0.03522	0.06821

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.04606	-0.00409
2	TIME	-0.00409	0.000683

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	0.40	0.5292

The current variable is P00L1P_KM

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11:01 Saturday, August 29, 2009

----- 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	3
Columns in X	2
Columns in Z	267
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	254	4109.444437	16.178915	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	11.288758	1.411095	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	376.242446	2.746295	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	5.89	<.0001
YEAR	137	0.51	0.8445
Residual	.	.	.

The current variable is P00L1P_KM

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

Estimates

Cov Parm	Estimate
ID_NUM	8.7260
YEAR	-0.08352
Residual	2.7463

Fit Statistics

-2 Res Log Likelihood	2021.0
AIC (smaller is better)	2027.0
AICC (smaller is better)	2027.1
BIC (smaller is better)	2037.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	2.5006	0.2116	8	11.82	<.0001	0.05	2.0126	2.9886
TIME	-0.01314	0.01675	137	-0.78	0.4340	0.05	-0.04626	0.01998

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.04478	-0.00163
2	TIME	-0.00163	0.000281

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	0.62	0.4340

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	3
Columns in X	2
Columns in Z	289
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	276	2328.603852	8.436970	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	10.767890	1.345986	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	118.484446	0.884212	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	9.54	<.0001
YEAR	134	1.52	0.1551
Residual	.	.	.

The current variable is POOL1P_KM

250

11:01 Saturday, August 29, 2009

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	5.0843
YEAR	0.02928
Residual	0.8842

Fit Statistics

-2 Res Log Likelihood	1734.5
AIC (smaller is better)	1740.5
AICC (smaller is better)	1740.6
BIC (smaller is better)	1751.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	1.5750	0.2250	8	7.00	0.0001	0.05	1.0562	2.0937
TIME	-0.03741	0.02669	134	-1.40	0.1633	0.05	-0.09020	0.01538

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.05060	-0.00438
2	TIME	-0.00438	0.000712

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	1.96	0.1633

The current variable is POOL1P_KM

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11:01 Saturday, August 29, 2009

----- 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	3
Columns in X	2
Columns in Z	259
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	246	3853.624407	15.665140	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	7.044899	0.880612	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	313.729406	1.584492	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	9.89	<.0001
YEAR	198	0.56	0.8131
Residual	.	.	.

The current variable is POOL1P_KM

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11:01 Saturday, August 29, 2009

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	7.8014
YEAR	-0.03182
Residual	1.5845

Fit Statistics

-2 Res Log Likelihood	2107.2
AIC (smaller is better)	2113.2
AICC (smaller is better)	2113.3
BIC (smaller is better)	2123.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
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Intercept	2.2262	0.1976	8	11.26	<.0001	0.05	1.7704	2.6819
TIME	-0.05308	0.01252	198	-4.24	<.0001	0.05	-0.07777	-0.02840

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.03906	-0.00093
2	TIME	-0.00093	0.000157

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	17.98	<.0001

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	3
Columns in X	2
Columns in Z	1371
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	1358	17139	12.620895	Var(Residual) + 1.5781	Var(ID_NUM)	MS(Residual)
YEAR	8	19.147550	2.393444	Var(Residual) + 87.081	Var(YEAR)	MS(Residual)
Residual	785	1922.012593	2.448424	Var(Residual)		.

Type 3 Analysis of Variance

Source	Error		
	DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	5.15	<.0001
YEAR	785	0.98	0.4521
Residual	.	.	.

The current variable is P00L1P_KM
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ALL REGIONS
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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	6.4462
YEAR	-0.00063
Residual	2.4484

Fit Statistics

-2 Res Log Likelihood	10232.4
AIC (smaller is better)	10238.4
AICC (smaller is better)	10238.4
BIC (smaller is better)	10254.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	2.1443	0.1119	8	19.16	<.0001	0.05	1.8863	2.4023
TIME	-0.03959	0.01333	785	-2.97	0.0031	0.05	-0.06576	-0.01342

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.01252	-0.00106
2	TIME	-0.00106	0.000178

Type 3 Tests of Fixed Effects

	Num	Den		
Effect	DF	DF	F Value	Pr > F

TIME	1	785	8.82	0.0031
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The current variable is CWP00L

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11:01 Saturday, August 29, 2009

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

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	3
Columns in X	2
Columns in Z	301
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

Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term
TIME	0	0	0	0	MS(Residual)
ID_NUM	285	157465	552.507824	Var(Residual) + 1.5088 Var(ID_NUM)	MS(Residual)
YEAR	8	7779.171540	972.396443	Var(Residual) + 16.935 Var(YEAR)	MS(Residual)
Residual	145	54777	377.774931	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	145	0.00	.
ID_NUM	145	1.46	0.0053

YEAR 145 2.57 0.0118
Residual . . .
The current variable is CWP00L

256

11:01 Saturday, August 29, 2009

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	115.81
YEAR	35.1113
Residual	377.77

Fit Statistics

-2 Res Log Likelihood	3986.2
AIC (smaller is better)	3992.2
AICC (smaller is better)	3992.2
BIC (smaller is better)	4003.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	10.5878	4.4033	8	2.40	0.0429	0.05	0.4339	20.7417
TIME	0.5681	0.6483	145	0.88	0.3824	0.05	-0.7133	1.8495

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	19.3887	-2.4912
2	TIME	-2.4912	0.4204

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	145	0.77	0.3824

The current variable is CWP00L

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11:01 Saturday, August 29, 2009

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

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	3
Columns in X	2
Columns in Z	299
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	285	190670	669.017963	Var(Residual) + 1.4596 Var(ID_NUM)	MS(Residual)
YEAR	8	1583.137854	197.892232	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	35953	274.452787	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	2.44	<.0001
YEAR	131	0.72	0.6726
Residual	.	.	.

The current variable is CWPOOL

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11:01 Saturday, August 29, 2009

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	270.32
YEAR	-4.9369
Residual	274.45

Fit Statistics

-2 Res Log Likelihood	3880.5
AIC (smaller is better)	3886.5
AICC (smaller is better)	3886.6
BIC (smaller is better)	3897.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	15.0784	1.6978	8	8.88	<.0001	0.05	11.1633	18.9936
TIME	0.009355	0.2132	131	0.04	0.9651	0.05	-0.4124	0.4311

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.8826	-0.2707
2	TIME	-0.2707	0.04546

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	0.00	0.9651

The current variable is CWP00L

259

11:01 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	3
Columns in X	2
Columns in Z	267
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	253	360677	1425.601459	Var(Residual) + 1.5336 Var(ID_NUM)	MS(Residual)
YEAR	8	4338.607626	542.325953	Var(Residual) + 15.753 Var(YEAR)	MS(Residual)
Residual	135	122221	905.343387	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	135	0.00	.
ID_NUM	135	1.57	0.0018
YEAR	135	0.60	0.7774
Residual	.	.	.

The current variable is CWP00L

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11:01 Saturday, August 29, 2009

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	339.24
YEAR	-23.0450
Residual	905.34

Fit Statistics

-2 Res Log Likelihood

3998.0

AIC (smaller is better)	4004.0
AICC (smaller is better)	4004.1
BIC (smaller is better)	4014.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	20.9360	1.5014	8	13.94	<.0001	0.05	17.4737	24.3983
TIME	-0.6423	0.1443	135	-4.45	<.0001	0.05	-0.9276	-0.3570

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.2543	-0.09672
2	TIME	-0.09672	0.02081

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	135	19.82	<.0001

The current variable is CWP00L

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11:01 Saturday, August 29, 2009

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

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	3
Columns in X	2
Columns in Z	289
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	265	520135	1962.775014	Var(Residual) + 1.4981 Var(ID_NUM)	MS(Residual)
YEAR	8	12605	1575.674149	Var(Residual) + 15.584 Var(YEAR)	MS(Residual)
Residual	132	92050	697.347163	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	132	0.00	.
ID_NUM	132	2.81	<.0001
YEAR	132	2.26	0.0269
Residual	.	.	.

The current variable is CWP00L

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11:01 Saturday, August 29, 2009

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	844.68
YEAR	56.3590
Residual	697.35

Fit Statistics

-2 Res Log Likelihood	4130.9
AIC (smaller is better)	4136.9
AICC (smaller is better)	4136.9
BIC (smaller is better)	4147.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	17.2326	6.2412	8	2.76	0.0246	0.05	2.8402	31.6249

TIME 0.6868 0.8809 132 0.7 0.4370 0.05 -1.0556 2.4292

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	38.9530	-4.7020
2	TIME	-4.7020	0.7759

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	132	0.61	0.4370

The current variable is CWP00L

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11:01 Saturday, August 29, 2009

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

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	3
Columns in X	2
Columns in Z	259
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
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TIME	0	0	0	0	MS(Residual)
ID_NUM	231	1332629	5768.957371	Var(Residual) + 1.8009 Var(ID_NUM)	MS(Residual)
YEAR	8	9867.198255	1233.399782	Var(Residual) + 20.954 Var(YEAR)	MS(Residual)
Residual	185	234863	1269.529032	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	185	0.00	.
ID_NUM	185	4.54	<.0001
YEAR	185	0.97	0.4597
Residual	.	.	.

The current variable is CWP00L

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11:01 Saturday, August 29, 2009

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	2498.48
YEAR	-1.7243
Residual	1269.53

Fit Statistics

-2 Res Log Likelihood	4660.1
AIC (smaller is better)	4666.1
AICC (smaller is better)	4666.2
BIC (smaller is better)	4676.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	19.8430	5.1725	8	3.84	0.0050	0.05	7.9151	31.7709
TIME	1.3865	0.6057	185	2.29	0.0232	0.05	0.1916	2.5814

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	26.7550	-2.0949
2	TIME	-2.0949	0.3668

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	185	5.24	0.0232

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	3
Columns in X	2
Columns in Z	1371
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	1327	2642062	1991.004125	Var(Residual) + 1.5757 Var(ID_NUM)	MS(Residual)
YEAR	8	8337.103114	1042.137889	Var(Residual) + 84.989 Var(YEAR)	MS(Residual)
Residual	764	572803	749.742482	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	764	0.00	.
ID_NUM	764	2.66	<.0001
YEAR	764	1.39	0.1970

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	787.74
YEAR	3.4404
Residual	749.74

Fit Statistics

-2 Res Log Likelihood	21272.3
AIC (smaller is better)	21278.3
AICC (smaller is better)	21278.3
BIC (smaller is better)	21293.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	16.1283	2.0549	8	7.85	<.0001	0.05	11.3897	20.8668
TIME	0.4440	0.2846	764	1.56	0.1192	0.05	-0.1148	1.0027

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	4.2225	-0.4812
2	TIME	-0.4812	0.08102

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	764	2.43	0.1192

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	3
Columns in X	2
Columns in Z	301
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	288	98049	340.447168	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	6177.310102	772.163763	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	14102	94.641825	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	3.60	<.0001
YEAR	149	8.16	<.0001
Residual	.	.	.

The current variable is PCTSHADE

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	162.00
YEAR	39.0743
Residual	94.6418

Fit Statistics

-2 Res Log Likelihood	3685.4
AIC (smaller is better)	3691.4
AICC (smaller is better)	3691.4
BIC (smaller is better)	3702.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	75.7845	4.2751	8	17.73	<.0001	0.05	65.9261	85.6428
TIME	0.5073	0.6238	149	0.81	0.4173	0.05	-0.7253	1.7399

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	18.2762	-2.3243
2	TIME	-2.3243	0.3891

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	0.66	0.4173

The current variable is PCTSHADE

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----- 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	3
Columns in X	2
Columns in Z	299
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	286	60073	210.044823	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	988.583453	123.572932	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	9167.728580	69.982661	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	3.00	<.0001
YEAR	131	1.77	0.0894
Residual	.	.	.

The current variable is PCTSHADE

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11:01 Saturday, August 29, 2009

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	96.0618
YEAR	3.4557
Residual	69.9827

Fit Statistics

-2 Res Log Likelihood	3356.8
AIC (smaller is better)	3362.8

AICC (smaller is better) 3362.9
BIC (smaller is better) 3373.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	80.8270	1.7033	8	47.45	<.0001	0.05	76.8992	84.7548
TIME	0.1439	0.2391	131	0.60	0.5482	0.05	-0.3290	0.6168

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.9012	-0.3415
2	TIME	-0.3415	0.05715

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	0.36	0.5482

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	3
Columns in X	2
Columns in Z	267
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	254	124487	490.107048	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	1682.716429	210.339554	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	9397.027218	68.591440	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	7.15	<.0001
YEAR	137	3.07	0.0033
Residual	.	.	.

The current variable is PCTSHADE

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	273.82
YEAR	8.8667
Residual	68.5914

Fit Statistics

-2 Res Log Likelihood	3326.1
AIC (smaller is better)	3332.1
AICC (smaller is better)	3332.1
BIC (smaller is better)	3342.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	81.6737	2.4909	8	32.79	<.0001	0.05	75.9296	87.4178
TIME	-0.1400	0.3378	137	-0.41	0.6792	0.05	-0.8081	0.5280

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	6.2047	-0.6841
2	TIME	-0.6841	0.1141

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	0.17	0.6792

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	3
Columns in X	2
Columns in Z	289
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	276	67111	243.155909	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	3289.193199	411.149150	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	14488	108.120558	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	2.25	<.0001
YEAR	134	3.80	0.0005
Residual	.	.	.

The current variable is PCTSHADE

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	90.9018
YEAR	19.2114
Residual	108.12

Fit Statistics

-2 Res Log Likelihood	3405.1
AIC (smaller is better)	3411.1
AICC (smaller is better)	3411.1
BIC (smaller is better)	3422.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	76.4608	3.1727	8	24.10	<.0001	0.05	69.1444	83.7771
TIME	0.6417	0.4591	134	1.40	0.1645	0.05	-0.2663	1.5497

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	10.0663	-1.2716
2	TIME	-1.2716	0.2108

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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TIME	1	134	1.95	0.1645
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The current variable is PCTSHADE

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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	3
Columns in X	2
Columns in Z	259
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	246	138100	561.380721	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	2743.073850	342.884231	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	13505	68.205375	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	8.23	<.0001

YEAR 198 5.03 <.0001
Residual . . .
The current variable is PCTSHADE

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	273.25
YEAR	12.4185
Residual	68.2054

Fit Statistics

-2 Res Log Likelihood	3680.4
AIC (smaller is better)	3686.4
AICC (smaller is better)	3686.5
BIC (smaller is better)	3697.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	81.0902	2.6887	8	30.16	<.0001	0.05	74.8902	87.2903
TIME	-0.4620	0.3651	198	-1.27	0.2072	0.05	-1.1820	0.2580

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	7.2289	-0.7980
2	TIME	-0.7980	0.1333

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	1.60	0.2072

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	3
Columns in X	2
Columns in Z	1371
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	1358	511402	376.584749	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	4583.453188	572.931649	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	73222	93.276313	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	4.04	<.0001
YEAR	785	6.14	<.0001
Residual	.	.	.

The current variable is PCTSHADE
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	179.53
YEAR	5.5082
Residual	93.2763

Fit Statistics

-2 Res Log Likelihood	17638.0
AIC (smaller is better)	17644.0
AICC (smaller is better)	17644.0
BIC (smaller is better)	17659.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	79.2811	1.6528	8	47.97	<.0001	0.05	75.4697	83.0924
TIME	0.1245	0.2384	785	0.52	0.6018	0.05	-0.3436	0.5926

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	2.7318	-0.3407
2	TIME	-0.3407	0.05686

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	0.27	0.6018

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	3
Columns in X	2
Columns in Z	301
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	288	82828	287.596558	Var(Residual) + 1.5104 Var(ID_NUM)	MS(Residual)
YEAR	8	15865	1983.128642	Var(Residual) + 17.099 Var(YEAR)	MS(Residual)
Residual	147	40471	275.312215	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	147	0.00	.
ID_NUM	147	1.04	0.3867
YEAR	147	7.20	<.0001
Residual	.	.	.

The current variable is PCTEROSION

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	8.1331
YEAR	99.8789
Residual	275.31

Fit Statistics

-2 Res Log Likelihood	3789.9
AIC (smaller is better)	3795.9
AICC (smaller is better)	3796.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	25.6416	6.6714	8	3.84	0.0049	0.05	10.2574	41.0258
TIME	-1.9200	0.9853	147	-1.95	0.0533	0.05	-3.8672	0.02725

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	44.5072	-5.8071
2	TIME	-5.8071	0.9709

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	147	3.80	0.0533

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	3
Columns in X	2
Columns in Z	299
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	283	58615	207.120375	Var(Residual) + 1.4629 Var(ID_NUM)	MS(Residual)
YEAR	8	3709.721939	463.715242	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	12072	92.154716	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	2.25	<.0001
YEAR	131	5.03	<.0001
Residual	.	.	.

The current variable is PCTEROSION

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	78.5876
YEAR	23.9594
Residual	92.1547

Fit Statistics

-2 Res Log Likelihood	3383.1
AIC (smaller is better)	3389.1
AICC (smaller is better)	3389.2
BIC (smaller is better)	3400.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	5.0549	3.4115	8	1.48	0.1767	0.05	-2.8119	12.9217
TIME	0.6457	0.4983	131	1.30	0.1974	0.05	-0.3401	1.6316

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	11.6380	-1.4867
2	TIME	-1.4867	0.2483

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	1.68	0.1974

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	3
Columns in X	2
Columns in Z	267
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	249	40881	164.182378	Var(Residual) + 1.5261 Var(ID_NUM)	MS(Residual)

YEAR	8	1356.948888	169.618611	Var(Residual) + 15.35	Var(YEAR)	MS(Residual)
Residual	131	8701.857307	66.426392	Var(Residual)		.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	2.47	<.0001
YEAR	131	2.55	0.0128
Residual	.	.	.

The current variable is PCTEROSION 284
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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	64.0559
YEAR	6.7224
Residual	66.4264

Fit Statistics

-2 Res Log Likelihood	3003.5
AIC (smaller is better)	3009.5
AICC (smaller is better)	3009.6
BIC (smaller is better)	3020.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	7.7205	2.0310	8	3.80	0.0052	0.05	3.0372	12.4039
TIME	0.02219	0.2923	131	0.08	0.9396	0.05	-0.5560	0.6003

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	4.1248	-0.5096
2	TIME	-0.5096	0.08541

Type 3 Tests of Fixed Effects

	Num	Den	F Value	Pr > F
Effect	DF	DF		
TIME	1	131	0.01	0.9396

The current variable is PCTEROSION

285

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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	3
Columns in X	2
Columns in Z	289
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
TIME	0	0	0	0	MS(Residual)
ID_NUM	265	69403	261.899526	Var(Residual) + 1.4906 Var(ID_NUM)	MS(Residual)
YEAR	8	1291.555300	161.444413	Var(Residual) + 15.347 Var(YEAR)	MS(Residual)
Residual	130	11989	92.226813	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	130	0.00	.
ID_NUM	130	2.84	<.0001
YEAR	130	1.75	0.0927

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	113.83
YEAR	4.5102
Residual	92.2268

Fit Statistics

-2 Res Log Likelihood	3271.3
AIC (smaller is better)	3277.3
AICC (smaller is better)	3277.4
BIC (smaller is better)	3288.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	9.2584	1.9717	8	4.70	0.0016	0.05	4.7117	13.8051
TIME	0.2849	0.2750	130	1.04	0.3021	0.05	-0.2592	0.8291

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.8875	-0.4570
2	TIME	-0.4570	0.07565

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	130	1.07	0.3021

The current variable is PCTEROSION

----- 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	3
Columns in X	2
Columns in Z	259
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	243	41185	169.484911	Var(Residual) + 1.8025 Var(ID_NUM)	MS(Residual)
YEAR	8	5254.546333	656.818292	Var(Residual) + 21.824 Var(YEAR)	MS(Residual)
Residual	195	16408	84.141491	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	195	0.00	.
ID_NUM	195	2.01	<.0001
YEAR	195	7.81	<.0001
Residual	.	.	.

The current variable is PCTEROSION

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	47.3481
YEAR	26.2407
Residual	84.1415

Fit Statistics

-2 Res Log Likelihood	3473.5
AIC (smaller is better)	3479.5
AICC (smaller is better)	3479.6
BIC (smaller is better)	3490.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	10.5441	3.4832	8	3.03	0.0164	0.05	2.5118	18.5765
TIME	-0.3413	0.5093	195	-0.67	0.5035	0.05	-1.3457	0.6631

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	12.1329	-1.5532
2	TIME	-1.5532	0.2594

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	195	0.45	0.5035

The current variable is PCTEROSION
ALL REGIONS

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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	3
Columns in X	2
Columns in Z	1371
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	1336	340373	254.770575	Var(Residual) + 1.5763 Var(ID_NUM)	MS(Residual)
YEAR	8	5971.513984	746.439248	Var(Residual) + 85.452 Var(YEAR)	MS(Residual)
Residual	770	123988	161.023830	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	770	0.00	.
ID_NUM	770	1.58	<.0001
YEAR	770	4.64	<.0001
Residual	.	.	.

The current variable is PCTEROSION
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	59.4709
YEAR	6.8508
Residual	161.02

Fit Statistics

-2 Res Log Likelihood	17323.7
AIC (smaller is better)	17329.7
AICC (smaller is better)	17329.7
BIC (smaller is better)	17345.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	11.9525	1.8180	8	6.57	0.0002	0.05	7.7601	16.1449
TIME	-0.3035	0.2666	770	-1.14	0.2553	0.05	-0.8268	0.2198

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.3052	-0.4252
2	TIME	-0.4252	0.07106

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	770	1.30	0.2553

The current variable is PCTUNDERC

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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	3
Columns in X	2
Columns in Z	301
Subjects	1
Max Obs Per Subject	448

Number of Observations

Number of Observations Read	448
Number of Observations Used	442

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	283	13845	48.922294	Var(Residual) + 1.523 Var(ID_NUM)	MS(Residual)
YEAR	8	462.530255	57.816282	Var(Residual) + 17.214 Var(YEAR)	MS(Residual)
Residual	148	4862.166211	32.852474	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	148	0.00	.
ID_NUM	148	1.49	0.0035
YEAR	148	1.76	0.0894
Residual	.	.	.

The current variable is PCTUNDERC

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	10.5516
YEAR	1.4502
Residual	32.8525

Fit Statistics

-2 Res Log Likelihood	2925.2
AIC (smaller is better)	2931.2
AICC (smaller is better)	2931.2
BIC (smaller is better)	2942.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	9.2798	1.0067	8	9.22	<.0001	0.05	6.9583	11.6012
TIME	-0.6104	0.1478	148	-4.13	<.0001	0.05	-0.9025	-0.3182

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.0134	-0.1284
2	TIME	-0.1284	0.02186

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	148	17.05	<.0001

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
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	299
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	282	19167	67.969805	Var(Residual) + 1.4574 Var(ID_NUM)	MS(Residual)
YEAR	8	1024.176757	128.022095	Var(Residual) + 15.3 Var(YEAR)	MS(Residual)

Residual	129	3426.154268	26.559335	Var(Residual)	.
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Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	129	0.00	.
ID_NUM	129	2.56	<.0001
YEAR	129	4.82	<.0001
Residual	.	.	.

The current variable is PCTUNDERC

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	28.4130
YEAR	6.6317
Residual	26.5593

Fit Statistics

-2 Res Log Likelihood	2886.1
AIC (smaller is better)	2892.1
AICC (smaller is better)	2892.1
BIC (smaller is better)	2903.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	6.2329	1.8109	8	3.44	0.0088	0.05	2.0569	10.4090
TIME	0.07750	0.2639	129	0.29	0.7695	0.05	-0.4447	0.5997

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	3.2795	-0.4168
2	TIME	-0.4168	0.06966

Type 3 Tests of Fixed Effects

Num	Den
-----	-----

Effect DF DF F Value Pr > F

TIME 1 129 0.09 0.7695

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	3
Columns in X	2
Columns in Z	267
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	251	15784	62.883219	Var(Residual) + 1.5179 Var(ID_NUM)	MS(Residual)
YEAR	8	627.753579	78.469197	Var(Residual) + 15.193 Var(YEAR)	MS(Residual)
Residual	130	4609.754763	35.459652	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	130	0.00	.
ID_NUM	130	1.77	0.0002
YEAR	130	2.21	0.0304
Residual	.	.	.

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	18.0664
YEAR	2.8309
Residual	35.4597

Fit Statistics

-2 Res Log Likelihood	2614.7
AIC (smaller is better)	2620.7
AICC (smaller is better)	2620.7
BIC (smaller is better)	2631.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	2.9857	1.3264	8	2.25	0.0545	0.05	-0.07309	6.0444
TIME	0.4727	0.1927	130	2.45	0.0155	0.05	0.09144	0.8540

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.7594	-0.2214
2	TIME	-0.2214	0.03715

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	130	6.02	0.0155

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	3
Columns in X	2
Columns in Z	289
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	268	19403	72.398117	Var(Residual) + 1.4851 Var(ID_NUM)	MS(Residual)
YEAR	8	303.908290	37.988536	Var(Residual) + 15.332 Var(YEAR)	MS(Residual)
Residual	130	2503.320978	19.256315	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	130	0.00	.
ID_NUM	130	3.76	<.0001
YEAR	130	1.97	0.0548
Residual	.	.	.

The current variable is PCTUNDERC

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	35.7839
YEAR	1.2218
Residual	19.2563

Fit Statistics

-2 Res Log Likelihood	2736.9
AIC (smaller is better)	2742.9
AICC (smaller is better)	2742.9
BIC (smaller is better)	2753.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	6.3811	1.0007	8	6.38	0.0002	0.05	4.0734	8.6888
TIME	-0.1042	0.1378	130	-0.76	0.4510	0.05	-0.3767	0.1684

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.0015	-0.1150
2	TIME	-0.1150	0.01898

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	130	0.57	0.4510

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	3
Columns in X	2
Columns in Z	259
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	244	6199.071231	25.406030	Var(Residual) + 1.7869 Var(ID_NUM)	MS(Residual)
YEAR	8	185.694749	23.211844	Var(Residual) + 21.514 Var(YEAR)	MS(Residual)
Residual	192	5015.799352	26.123955	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	192	0.00	.
ID_NUM	192	0.97	0.5830
YEAR	192	0.89	0.5272
Residual	.	.	.

The current variable is PCTUNDERC

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-0.4018
YEAR	-0.1354
Residual	26.1240

Fit Statistics

-2 Res Log Likelihood	2747.2
AIC (smaller is better)	2753.2
AICC (smaller is better)	2753.2

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	5.2882	0.4340	8	12.19	<.0001	0.05	4.2875	6.2889
TIME	-0.3769	0.06505	192	-5.79	<.0001	0.05	-0.5052	-0.2486

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.1883	-0.02488
2	TIME	-0.02488	0.004232

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	192	33.57	<.0001

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	3
Columns in X	2
Columns in Z	1371
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	1336	81989	61.369241	Var(Residual) + 1.5726 Var(ID_NUM)	MS(Residual)
YEAR	8	791.152202	98.894025	Var(Residual) + 84.887 Var(YEAR)	MS(Residual)
Residual	765	23873	31.206612	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	765	0.00	.
ID_NUM	765	1.97	<.0001
YEAR	765	3.17	0.0015
Residual	.	.	.

The current variable is PCTUNDERC
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	19.1800
YEAR	0.7974
Residual	31.2066

Fit Statistics

-2 Res Log Likelihood	14140.5
AIC (smaller is better)	14146.5
AICC (smaller is better)	14146.5
BIC (smaller is better)	14162.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	6.1707	0.6559	8	9.41	<.0001	0.05	4.6582	7.6832
TIME	-0.1257	0.09537	765	-1.32	0.1878	0.05	-0.3130	0.06148

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.4302	-0.05435
2	TIME	-0.05435	0.009096

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	765	1.74	0.1878

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	3
Columns in X	2
Columns in Z	301
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	288	72822	252.853352	Var(Residual) + 1.5139 Var(ID_NUM)	MS(Residual)
YEAR	8	2574.513384	321.814173	Var(Residual) + 17.214 Var(YEAR)	MS(Residual)
Residual	148	18714	126.445796	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	148	0.00	.
ID_NUM	148	2.00	<.0001
YEAR	148	2.55	0.0126
Residual	.	.	.

The current variable is LWDPIECE1

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	83.4986
YEAR	11.3495
Residual	126.45

Fit Statistics

-2 Res Log Likelihood	3588.5
AIC (smaller is better)	3594.5
AICC (smaller is better)	3594.5
BIC (smaller is better)	3605.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	20.9229	2.5696	8	8.14	<.0001	0.05	14.9975	26.8483
TIME	-0.5238	0.3748	148	-1.40	0.1644	0.05	-1.2644	0.2169

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	6.6026	-0.8319
2	TIME	-0.8319	0.1405

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	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	3
Columns in X	2
Columns in Z	299
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	286	33631	117.591587	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	79.961767	9.995221	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	2366.287508	18.063263	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	6.51	<.0001
YEAR	131	0.55	0.8142
Residual	.	.	.

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	68.2616
YEAR	-0.5203
Residual	18.0633

Fit Statistics

-2 Res Log Likelihood	2994.1
AIC (smaller is better)	3000.1
AICC (smaller is better)	3000.2
BIC (smaller is better)	3011.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	14.4576	0.5996	8	24.11	<.0001	0.05	13.0748	15.8403
TIME	-0.00553	0.05634	131	-0.10	0.9220	0.05	-0.1170	0.1059

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.3595	-0.01938
2	TIME	-0.01938	0.003175

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	0.01	0.9220

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 3
Columns in X 2
Columns in Z 267
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	254	67884	267.259607	Var(Residual) + 1.5354 Var(ID_NUM)	MS(Residual)
YEAR	8	1093.889206	136.736151	Var(Residual) + 15.879 Var(YEAR)	MS(Residual)
Residual	136	3518.472523	25.871121	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	136	0.00	.
ID_NUM	136	10.33	<.0001
YEAR	136	5.29	<.0001
Residual	.	.	.

The current variable is LWDPIECE1 308
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----- GCG=3-MS -----

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm Estimate

ID_NUM	157.21
YEAR	6.9820
Residual	25.8711

Fit Statistics

-2 Res Log Likelihood	3074.0
AIC (smaller is better)	3080.0
AICC (smaller is better)	3080.1
BIC (smaller is better)	3090.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	15.7634	2.0292	8	7.77	<.0001	0.05	11.0841	20.4427
TIME	0.08887	0.2782	136	0.32	0.7499	0.05	-0.4614	0.6391

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	4.1176	-0.4640
2	TIME	-0.4640	0.07742

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	136	0.10	0.7499

The current variable is LWDPIECE1

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----- 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	3
Columns in X	2
Columns in Z	289
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	275	32805	119.290375	Var(Residual) + 1.4836 Var(ID_NUM)	MS(Residual)
YEAR	8	286.750955	35.843869	Var(Residual) + 15.674 Var(YEAR)	MS(Residual)
Residual	133	1863.604437	14.012063	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	133	0.00	.
ID_NUM	133	8.51	<.0001
YEAR	133	2.56	0.0126
Residual	.	.	.

The current variable is LWDPIECE1

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	70.9596
YEAR	1.3929
Residual	14.0121

Fit Statistics

-2 Res Log Likelihood	2862.4
AIC (smaller is better)	2868.4
AICC (smaller is better)	2868.5
BIC (smaller is better)	2879.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	15.4327	1.0757	8	14.35	<.0001	0.05	12.9521	17.9133
TIME	-0.2776	0.1405	133	-1.98	0.0503	0.05	-0.5555	0.000391

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.1572	-0.1201
2	TIME	-0.1201	0.01975

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	133	3.90	0.0503

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	3
Columns in X	2
Columns in Z	259
Subjects	1
Max Obs Per Subject	455

Number of Observations

Number of Observations Read	455
Number of Observations Used	451

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	244	28355	116.208138	Var(Residual) + 1.8033 Var(ID_NUM)	MS(Residual)
YEAR	8	545.117077	68.139635	Var(Residual) + 21.88 Var(YEAR)	MS(Residual)
Residual	196	5753.124037	29.352674	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	196	0.00	.
ID_NUM	196	3.96	<.0001
YEAR	196	2.32	0.0211
Residual	.	.	.

The current variable is LWDPIECE1

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	48.1653
YEAR	1.7727
Residual	29.3527

Fit Statistics

-2 Res Log Likelihood	3083.1
AIC (smaller is better)	3089.1
AICC (smaller is better)	3089.1
BIC (smaller is better)	3099.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	11.8753	1.1432	8	10.39	<.0001	0.05	9.2390	14.5115
TIME	-0.2919	0.1552	196	-1.88	0.0615	0.05	-0.5979	0.01419

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.3069	-0.1437
2	TIME	-0.1437	0.02408

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	196	3.54	0.0615

The current variable is LWDPIECE1
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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	3
Columns in X	2
Columns in Z	1371
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	1355	255148	188.300831	Var(Residual) + 1.5756 Var(ID_NUM)	MS(Residual)
YEAR	8	1531.885255	191.485657	Var(Residual) + 86.515 Var(YEAR)	MS(Residual)
Residual	780	36008	46.164277	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	780	0.00	.
ID_NUM	780	4.08	<.0001
YEAR	780	4.15	<.0001
Residual	.	.	.

The current variable is LWDPIECE1
ALL REGIONS

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The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	90.2084
YEAR	1.6797
Residual	46.1643

Fit Statistics

-2 Res Log Likelihood	16075.8
AIC (smaller is better)	16081.8
AICC (smaller is better)	16081.9
BIC (smaller is better)	16097.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	15.9430	0.9570	8	16.66	<.0001	0.05	13.7362	18.1498
TIME	-0.2382	0.1365	780	-1.75	0.0814	0.05	-0.5062	0.02976

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.9158	-0.1116
2	TIME	-0.1116	0.01864

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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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	3
Columns in X	2
Columns in Z	301
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	288	304137	1056.032723	Var(Residual) + 1.5139 Var(ID_NUM)	MS(Residual)
YEAR	8	14859	1857.370426	Var(Residual) + 17.214 Var(YEAR)	MS(Residual)
Residual	148	99619	673.102908	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	148	0.00	.
ID_NUM	148	1.57	0.0012
YEAR	148	2.76	0.0072
Residual	.	.	.

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	252.94
YEAR	68.7976
Residual	673.10

Fit Statistics

-2 Res Log Likelihood	4291.7
AIC (smaller is better)	4297.7
AICC (smaller is better)	4297.8
BIC (smaller is better)	4308.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	36.4288	6.1137	8	5.96	0.0003	0.05	22.3305	50.5271
TIME	-1.8730	0.8983	148	-2.09	0.0388	0.05	-3.6482	-0.09786

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	37.3777	-4.7880
2	TIME	-4.7880	0.8069

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	148	4.35	0.0388

The current variable is LWDVOL1

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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	3
Columns in X	2
Columns in Z	299
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	286	137156	479.565305	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	2424.372156	303.046520	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	28511	217.644119	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	2.20	<.0001
YEAR	131	1.39	0.2056
Residual	.	.	.

The current variable is LWDVOL1

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
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ID_NUM	179.64
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YEAR 5.5070
Residual 217.64

Fit Statistics

-2 Res Log Likelihood	3725.5
AIC (smaller is better)	3731.5
AICC (smaller is better)	3731.5
BIC (smaller is better)	3742.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	23.4466	2.4623	8	9.52	<.0001	0.05	17.7686	29.1246
TIME	-0.3138	0.3471	131	-0.90	0.3675	0.05	-1.0004	0.3728

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	6.0627	-0.7195
2	TIME	-0.7195	0.1205

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	0.82	0.3675

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

3

Columns in X	2
Columns in Z	267
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	254	369967	1456.561297	Var(Residual) + 1.5354 Var(ID_NUM)	MS(Residual)
YEAR	8	4379.535494	547.441937	Var(Residual) + 15.879 Var(YEAR)	MS(Residual)
Residual	136	42958	315.866506	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	136	0.00	.
ID_NUM	136	4.61	<.0001
YEAR	136	1.73	0.0961
Residual	.	.	.

The current variable is LWDVOL1

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	742.91
YEAR	14.5840
Residual	315.87

Fit Statistics

-2 Res Log Likelihood	3823.1
AIC (smaller is better)	3829.1
AICC (smaller is better)	3829.2
BIC (smaller is better)	3839.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	30.8274	3.8603	8	7.99	<.0001	0.05	21.9255	39.7294
TIME	-1.1970	0.5187	136	-2.31	0.0225	0.05	-2.2229	-0.1712

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	14.9022	-1.6107
2	TIME	-1.6107	0.2691

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	136	5.32	0.0225

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	3
Columns in X	2
Columns in Z	289
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	275	157229	571.743227	Var(Residual) + 1.4836 Var(ID_NUM)	MS(Residual)
YEAR	8	3706.603642	463.325455	Var(Residual) + 15.674 Var(YEAR)	MS(Residual)
Residual	133	13419	100.897287	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	133	0.00	.
ID_NUM	133	5.67	<.0001
YEAR	133	4.59	<.0001
Residual	.	.	.

The current variable is LWDVOL1

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	317.36
YEAR	23.1230
Residual	100.90

Fit Statistics

-2 Res Log Likelihood	3582.9
AIC (smaller is better)	3588.9
AICC (smaller is better)	3589.0
BIC (smaller is better)	3599.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	24.7594	3.5971	8	6.88	0.0001	0.05	16.4646	33.0543
TIME	-0.6353	0.5069	133	-1.25	0.2123	0.05	-1.6379	0.3674

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	12.9389	-1.5520
2	TIME	-1.5520	0.2569

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	133	1.57	0.2123

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
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	259
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	244	148211	607.420402	Var(Residual) + 1.8033 Var(ID_NUM)	MS(Residual)
YEAR	8	1780.082935	222.510367	Var(Residual) + 21.88 Var(YEAR)	MS(Residual)
Residual	196	30135	153.750227	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	196	0.00	.
ID_NUM	196	3.95	<.0001
YEAR	196	1.45	0.1791
Residual	.	.	.

The current variable is LWDVOL1

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	251.58
YEAR	3.1426
Residual	153.75

Fit Statistics

-2 Res Log Likelihood	3865.9
AIC (smaller is better)	3871.9
AICC (smaller is better)	3871.9
BIC (smaller is better)	3882.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	19.3319	2.0650	8	9.36	<.0001	0.05	14.5700	24.0937
TIME	-0.6784	0.2644	196	-2.57	0.0110	0.05	-1.1998	-0.1570

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	4.2641	-0.4160
2	TIME	-0.4160	0.06990

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
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TIME 1 196 6.58 0.0110

The current variable is LWDVOL1

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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	3
Columns in X	2
Columns in Z	1371
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	1355	1158914	855.286849	Var(Residual) + 1.5756 Var(ID_NUM)	MS(Residual)
YEAR	8	3154.105509	394.263189	Var(Residual) + 86.515 Var(YEAR)	MS(Residual)
Residual	780	243948	312.753444	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	780	0.00	.
ID_NUM	780	2.73	<.0001
YEAR	780	1.26	0.2609
Residual	.	.	.

The current variable is LWDVOL1

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The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	344.32
YEAR	0.9421
Residual	312.75

Fit Statistics

-2 Res Log Likelihood	19662.6
AIC (smaller is better)	19668.6
AICC (smaller is better)	19668.6
BIC (smaller is better)	19684.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	27.2109	1.2436	8	21.88	<.0001	0.05	24.3433	30.0786
TIME	-0.9688	0.1694	780	-5.72	<.0001	0.05	-1.3012	-0.6363

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	1.5464	-0.1710
2	TIME	-0.1710	0.02868

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	780	32.72	<.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	3
Columns in X	2
Columns in Z	301
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	288	949.557062	3.297073	Var(Residual) + 1.5139 Var(ID_NUM)	MS(Residual)
YEAR	8	31.467538	3.933442	Var(Residual) + 17.214 Var(YEAR)	MS(Residual)
Residual	148	172.854578	1.167936	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	148	0.00	.
ID_NUM	148	2.82	<.0001
YEAR	148	3.37	0.0014
Residual	.	.	.

The current variable is KEYLWD1

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1.4064
YEAR	0.1607

Fit Statistics

-2 Res Log Likelihood	1693.8
AIC (smaller is better)	1699.8
AICC (smaller is better)	1699.8
BIC (smaller is better)	1710.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	1.5635	0.2967	8	5.27	0.0008	0.05	0.8794	2.2476
TIME	-0.1138	0.04299	148	-2.65	0.0090	0.05	-0.1988	-0.02885

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.08801	-0.01097
2	TIME	-0.01097	0.001848

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	148	7.01	0.0090

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	3
Columns in X	2

Columns in Z	299
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	286	337.663054	1.180640	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	7.083410	0.885426	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	78.734991	0.601030	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	1.96	<.0001
YEAR	131	1.47	0.1729
Residual	.	.	.

The current variable is KEYLWD1

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.3975
YEAR	0.01834
Residual	0.6010

Fit Statistics

-2 Res Log Likelihood	1167.9
AIC (smaller is better)	1173.9
AICC (smaller is better)	1174.0
BIC (smaller is better)	1184.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.9619	0.1318	8	7.30	<.0001	0.05	0.6580	1.2657
TIME	-0.02092	0.01876	131	-1.12	0.2668	0.05	-0.05804	0.01619

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.01736	-0.00210
2	TIME	-0.00210	0.000352

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	1.24	0.2668

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	3
Columns in X	2
Columns in Z	267
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	254	692.998675	2.728341	Var(Residual) + 1.5354 Var(ID_NUM)	MS(Residual)
YEAR	8	15.603793	1.950474	Var(Residual) + 15.879 Var(YEAR)	MS(Residual)
Residual	136	148.375961	1.091000	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	136	0.00	.
ID_NUM	136	2.50	<.0001
YEAR	136	1.79	0.0845
Residual	.	.	.

The current variable is KEYLWD1

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1.0664
YEAR	0.05413
Residual	1.0910

Fit Statistics

-2 Res Log Likelihood	1363.6
AIC (smaller is better)	1369.6
AICC (smaller is better)	1369.7
BIC (smaller is better)	1380.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	1.1122	0.2099	8	5.30	0.0007	0.05	0.6282	1.5962
TIME	-0.05705	0.02967	136	-1.92	0.0566	0.05	-0.1157	0.001628

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	0.04405	-0.00527
2	TIME	-0.00527	0.000880

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	136	3.70	0.0566

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	3
Columns in X	2
Columns in Z	289
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	275	495.656084	1.802386	Var(Residual) + 1.4836 Var(ID_NUM)	MS(Residual)
YEAR	8	17.692709	2.211589	Var(Residual) + 15.674 Var(YEAR)	MS(Residual)
Residual	133	66.575178	0.500565	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	133	0.00	.
ID_NUM	133	3.60	<.0001
YEAR	133	4.42	<.0001
Residual	.	.	.

The current variable is KEYLWD1

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.8775
YEAR	0.1092
Residual	0.5006

Fit Statistics

-2 Res Log Likelihood	1242.9
AIC (smaller is better)	1248.9
AICC (smaller is better)	1249.0
BIC (smaller is better)	1259.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	1.1038	0.2410	8	4.58	0.0018	0.05	0.5480	1.6596
TIME	-0.03282	0.03455	133	-0.95	0.3438	0.05	-0.1012	0.03551

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.05810	-0.00720
2	TIME	-0.00720	0.001193

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	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	3
Columns in X	2
Columns in Z	259
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	244	431.012998	1.766447	Var(Residual) + 1.8033 Var(ID_NUM)	MS(Residual)
YEAR	8	3.194200	0.399275	Var(Residual) + 21.88 Var(YEAR)	MS(Residual)
Residual	196	52.897036	0.269883	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	196	0.00	.
ID_NUM	196	6.55	<.0001
YEAR	196	1.48	0.1667
Residual	.	.	.

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.8299
YEAR	0.005914
Residual	0.2699

Fit Statistics

-2 Res Log Likelihood	1178.5
AIC (smaller is better)	1184.5
AICC (smaller is better)	1184.5
BIC (smaller is better)	1195.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.8357	0.09700	8	8.62	<.0001	0.05	0.6120	1.0593
TIME	-0.03064	0.01144	196	-2.68	0.0080	0.05	-0.05319	-0.00808

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.009408	-0.00078
2	TIME	-0.00078	0.000131

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	196	7.18	0.0080

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
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	1371
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	1355	2998.218490	2.212707	Var(Residual) + 1.5756 Var(ID_NUM)	MS(Residual)
YEAR	8	6.087854	0.760982	Var(Residual) + 86.515 Var(YEAR)	MS(Residual)
Residual	780	602.408945	0.772319	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	780	0.00	.
ID_NUM	780	2.87	<.0001
YEAR	780	0.99	0.4460
Residual	.	.	.

The current variable is KEYLWD1
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.9142
YEAR	-0.00013
Residual	0.7723

Fit Statistics

-2 Res Log Likelihood	6908.1
AIC (smaller is better)	6914.1
AICC (smaller is better)	6914.1
BIC (smaller is better)	6929.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	1.1223	0.05346	8	20.99	<.0001	0.05	0.9990	1.2455
TIME	-0.05112	0.006996	780	-7.31	<.0001	0.05	-0.06486	-0.03739

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.002858	-0.00029
2	TIME	-0.00029	0.000049

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	780	53.41	<.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	3
Columns in X	2
Columns in Z	301

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	281	24.661027	0.087762	Var(Residual) + 1.5053 Var(ID_NUM)	MS(Residual)
YEAR	8	0.167170	0.020896	Var(Residual) + 16.654 Var(YEAR)	MS(Residual)
Residual	142	2.224547	0.015666	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	142	0.00	.
ID_NUM	142	5.60	<.0001
YEAR	142	1.33	0.2314
Residual	.	.	.

The current variable is RESIDPD

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.04789
YEAR	0.000314
Residual	0.01567

Fit Statistics

-2 Res Log Likelihood	-68.7
AIC (smaller is better)	-62.7
AICC (smaller is better)	-62.6
BIC (smaller is better)	-51.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.5017	0.02373	8	21.14	<.0001	0.05	0.4470	0.5564
TIME	0.007083	0.003059	142	2.32	0.0220	0.05	0.001037	0.01313

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000563	-0.00005
2	TIME	-0.00005	9.355E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	142	5.36	0.0220

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	3
Columns in X	2
Columns in Z	299
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	283	18.263054	0.064534	Var(Residual) + 1.4629 Var(ID_NUM)	MS(Residual)
YEAR	8	0.226283	0.028285	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	0.976972	0.007458	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	8.65	<.0001
YEAR	131	3.79	0.0005
Residual	.	.	.

The current variable is RESIDPD

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.03902
YEAR	0.001343
Residual	0.007458

Fit Statistics

-2 Res Log Likelihood	-238.7
AIC (smaller is better)	-232.7
AICC (smaller is better)	-232.7
BIC (smaller is better)	-221.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.4872	0.02927	8	16.64	<.0001	0.05	0.4197	0.5547
TIME	0.001006	0.004006	131	0.25	0.8022	0.05	-0.00692	0.008931

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
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1	Intercept	0.000857	-0.00010
2	TIME	-0.00010	0.000016

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	0.06	0.8022

The current variable is RESIDPD

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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	3
Columns in X	2
Columns in Z	267
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	252	40.902428	0.162311	Var(Residual) + 1.5317 Var(ID_NUM)	MS(Residual)
YEAR	8	0.592510	0.074064	Var(Residual) + 15.643 Var(YEAR)	MS(Residual)
Residual	134	6.980952	0.052097	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	3.12	<.0001
YEAR	134	1.42	0.1929
Residual	.	.	.

The current variable is RESIDPD

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.07195
YEAR	0.001404
Residual	0.05210

Fit Statistics

-2 Res Log Likelihood	195.9
AIC (smaller is better)	201.9
AICC (smaller is better)	201.9
BIC (smaller is better)	212.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.5257	0.04196	8	12.53	<.0001	0.05	0.4289	0.6225
TIME	0.006817	0.005728	134	1.19	0.2361	0.05	-0.00451	0.01815

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.001761	-0.00020
2	TIME	-0.00020	0.000033

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	1.42	0.2361

----- 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	3
Columns in X	2
Columns in Z	289
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	260	20.022560	0.077010	Var(Residual) + 1.4962 Var(ID_NUM)	MS(Residual)
YEAR	8	0.329739	0.041217	Var(Residual) + 15.236 Var(YEAR)	MS(Residual)
Residual	129	2.731648	0.021176	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	129	0.00	.
ID_NUM	129	3.64	<.0001
YEAR	129	1.95	0.0584
Residual	.	.	.

The current variable is RESIDPD

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	0.03732
YEAR	0.001315
Residual	0.02118

Fit Statistics

-2 Res Log Likelihood	-76.3
AIC (smaller is better)	-70.3
AICC (smaller is better)	-70.3
BIC (smaller is better)	-59.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.4879	0.03321	8	14.69	<.0001	0.05	0.4113	0.5644
TIME	-0.00374	0.004565	129	-0.82	0.4139	0.05	-0.01277	0.005290

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.001103	-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	129	0.67	0.4139

The current variable is RESIDPD

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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	3
Columns in X	2
Columns in Z	259
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	225	29.283446	0.130149	Var(Residual) + 1.8133 Var(ID_NUM)	MS(Residual)
YEAR	8	0.360195	0.045024	Var(Residual) + 20.717 Var(YEAR)	MS(Residual)
Residual	183	1.809193	0.009886	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	183	0.00	.
ID_NUM	183	13.16	<.0001
YEAR	183	4.55	<.0001
Residual	.	.	.

The current variable is RESIDPD

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.06632
YEAR	0.001696

Fit Statistics

-2 Res Log Likelihood	-172.1
AIC (smaller is better)	-166.1
AICC (smaller is better)	-166.0
BIC (smaller is better)	-155.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.5059	0.03393	8	14.91	<.0001	0.05	0.4277	0.5842
TIME	-0.00159	0.004342	183	-0.37	0.7143	0.05	-0.01016	0.006975

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.001151	-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	183	0.13	0.7143

The current variable is RESIDPD
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	3
Columns in X	2
Columns in Z	1371
Subjects	1

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	1309	138.290257	0.105646	Var(Residual) + 1.5768 Var(ID_NUM)	MS(Residual)
YEAR	8	0.712524	0.089065	Var(Residual) + 84.032 Var(YEAR)	MS(Residual)
Residual	755	15.935047	0.021106	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	755	0.00	.
ID_NUM	755	5.01	<.0001
YEAR	755	4.22	<.0001
Residual	.	.	.

The current variable is RESIDPD
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.05362
YEAR	0.000809
Residual	0.02111

Fit Statistics

-2 Res Log Likelihood	-186.7
AIC (smaller is better)	-180.7
AICC (smaller is better)	-180.7
BIC (smaller is better)	-165.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.5027	0.02127	8	23.63	<.0001	0.05	0.4537	0.5518
TIME	0.001615	0.003010	755	0.54	0.5917	0.05	-0.00429	0.007524

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000453	-0.00005
2	TIME	-0.00005	9.06E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	755	0.29	0.5917

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	3
Columns in X	2
Columns in Z	301
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	286	929692	3250.672714	Var(Residual) + 1.5175 Var(ID_NUM)	MS(Residual)
YEAR	8	64384	8047.946355	Var(Residual) + 17.224 Var(YEAR)	MS(Residual)
Residual	148	198438	1340.798903	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	148	0.00	.
ID_NUM	148	2.42	<.0001
YEAR	148	6.00	<.0001
Residual	.	.	.

The current variable is LRGBLDR1

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1258.58
YEAR	389.40
Residual	1340.80

Fit Statistics

-2 Res Log Likelihood	4711.8
AIC (smaller is better)	4717.8
AICC (smaller is better)	4717.8
BIC (smaller is better)	4728.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	23.1821	13.6001	8	1.70	0.1267	0.05	-8.1797	54.5439
TIME	1.2127	1.9913	148	0.61	0.5435	0.05	-2.7223	5.1477

Covariance Matrix for Fixed Effects

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

1	Intercept	184.96	-23.6687
2	TIME	-23.6687	3.9652

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	148	0.37	0.5435

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	3
Columns in X	2
Columns in Z	299
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	284	797613	2808.494930	Var(Residual) + 1.4577 Var(ID_NUM)	MS(Residual)
YEAR	8	586.713554	73.339194	Var(Residual) + 15.405 Var(YEAR)	MS(Residual)
Residual	130	21009	161.609879	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	130	0.00	.
ID_NUM	130	17.38	<.0001
YEAR	130	0.45	0.8862
Residual	.	.	.

The current variable is LRGBLDR1

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	1815.74
YEAR	-5.7301
Residual	161.61

Fit Statistics

-2 Res Log Likelihood	4202.2
AIC (smaller is better)	4208.2
AICC (smaller is better)	4208.2
BIC (smaller is better)	4219.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	25.8087	2.7221	8	9.48	<.0001	0.05	19.5315	32.0860
TIME	0.4216	0.1728	130	2.44	0.0161	0.05	0.07964	0.7636

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	7.4100	-0.1831
2	TIME	-0.1831	0.02988

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	130	5.95	0.0161

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	3
Columns in X	2
Columns in Z	267
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	251	873854	3481.488997	Var(Residual) + 1.5378 Var(ID_NUM)	MS(Residual)
YEAR	8	26376	3296.982271	Var(Residual) + 15.769 Var(YEAR)	MS(Residual)
Residual	135	154703	1145.946025	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	135	0.00	.
ID_NUM	135	3.04	<.0001
YEAR	135	2.88	0.0055
Residual	.	.	.

The current variable is LRGBLDR1

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	1518.71
YEAR	136.41
Residual	1145.95

Fit Statistics

-2 Res Log Likelihood	4202.8
AIC (smaller is better)	4208.8
AICC (smaller is better)	4208.9
BIC (smaller is better)	4219.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	14.4466	9.0781	8	1.59	0.1502	0.05	-6.4875	35.3807
TIME	3.4813	1.2977	135	2.68	0.0082	0.05	0.9149	6.0478

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	82.4117	-10.0713
2	TIME	-10.0713	1.6840

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	135	7.20	0.0082

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	3
Columns in X	2
Columns in Z	289
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	270	616365	2282.834751	Var(Residual) + 1.4889 Var(ID_NUM)	MS(Residual)
YEAR	8	5821.285286	727.660661	Var(Residual) + 15.562 Var(YEAR)	MS(Residual)
Residual	132	49601	375.766186	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	132	0.00	.
ID_NUM	132	6.08	<.0001
YEAR	132	1.94	0.0596
Residual	.	.	.

The current variable is LRGBLDR1

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1280.87
YEAR	22.6126
Residual	375.77

Fit Statistics

-2 Res Log Likelihood	4157.2
AIC (smaller is better)	4163.2
AICC (smaller is better)	4163.2
BIC (smaller is better)	4174.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	37.1309	4.7122	8	7.88	<.0001	0.05	26.2646	47.9973
TIME	-0.6321	0.6184	132	-1.02	0.3086	0.05	-1.8554	0.5911

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	22.2048	-2.3341
2	TIME	-2.3341	0.3824

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	132	1.04	0.3086

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	3
Columns in X	2
Columns in Z	259

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	246	2572731	10458	Var(Residual) + 1.7967 Var(ID_NUM)	MS(Residual)
YEAR	8	261625	32703	Var(Residual) + 21.885 Var(YEAR)	MS(Residual)
Residual	196	4535670	23141	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	196	0.00	.
ID_NUM	196	0.45	1.0000
YEAR	196	1.41	0.1929
Residual	.	.	.

The current variable is LRGBLDR1

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-7058.82
YEAR	436.92
Residual	23141

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	61.9449	16.3193	8	3.80	0.0053	0.05	24.3124	99.5774
TIME	-2.1339	2.6264	196	-0.81	0.4175	0.05	-7.3134	3.0457

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	266.32	-38.1247
2	TIME	-38.1247	6.8977

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	196	0.66	0.4175

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	3
Columns in X	2
Columns in Z	1371
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	1345	6110961	4543.465271	Var(Residual) + 1.5777 Var(ID_NUM)	MS(Residual)
YEAR	8	51814	6476.807912	Var(Residual) + 86.199 Var(YEAR)	MS(Residual)
Residual	777	5285346	6802.247248	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	777	0.00	.
ID_NUM	777	0.67	1.0000
YEAR	777	0.95	0.4725
Residual	.	.	.

The current variable is LRGBLDR1
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	-1431.70
YEAR	-3.7754
Residual	6802.25

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	28.3441	2.2752	8	12.46	<.0001	0.05	23.0974	33.5908
TIME	1.2524	0.4114	777	3.04	0.0024	0.05	0.4450	2.0599

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	5.1767	-0.8329

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	777	9.27	0.0024

The current variable is CON_20PLUS

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

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	3
Columns in X	2
Columns in Z	301
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	288	1003624	3484.805127	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	12397	1549.663981	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	218860	1468.856537	Var(Residual)	.

Type 3 Analysis of Variance

Error

Source	DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	2.37	<.0001
YEAR	149	1.06	0.3979
Residual	.	.	.

The current variable is CON_20PLUS

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	1328.59
YEAR	4.6604
Residual	1468.86

Fit Statistics

-2 Res Log Likelihood	4766.9
AIC (smaller is better)	4772.9
AICC (smaller is better)	4772.9
BIC (smaller is better)	4783.9

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	29.5542	5.0476	8	5.86	0.0004	0.05	17.9145	41.1939
TIME	0.5890	0.7027	149	0.84	0.4033	0.05	-0.7996	1.9776

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	25.4779	-2.8409
2	TIME	-2.8409	0.4938

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	0.70	0.4033

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	3
Columns in X	2
Columns in Z	299
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	286	1034375	3616.694812	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	14285	1785.605876	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	281027	2145.246182	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	1.69	0.0004
YEAR	131	0.83	0.5757
Residual	.	.	.

The current variable is CON_20PLUS

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1009.19
YEAR	-23.1907
Residual	2145.25

Fit Statistics

-2 Res Log Likelihood	4622.8
AIC (smaller is better)	4628.8
AICC (smaller is better)	4628.8
BIC (smaller is better)	4639.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	34.1901	4.6230	8	7.40	<.0001	0.05	23.5295	44.8508
TIME	0.9076	0.6299	131	1.44	0.1520	0.05	-0.3385	2.1538

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	21.3720	-2.3608
2	TIME	-2.3608	0.3968

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	2.08	0.1520

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	3
Columns in X	2
Columns in Z	267
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	254	833193	3280.287729	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	12937	1617.139079	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	182818	1334.437161	Var(Residual)	.

Type 3 Analysis of Variance

	Error		
Source	DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	2.46	<.0001
YEAR	137	1.21	0.2965
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	1264.06
YEAR	17.6837
Residual	1334.44

Fit Statistics

-2 Res Log Likelihood	4243.4
AIC (smaller is better)	4249.4
AICC (smaller is better)	4249.4
BIC (smaller is better)	4260.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	33.3310	5.7494	8	5.80	0.0004	0.05	20.0730	46.5890
TIME	-0.5740	0.7906	137	-0.73	0.4691	0.05	-2.1373	0.9894

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	33.0551	-3.7349
2	TIME	-3.7349	0.6251

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	0.53	0.4691

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	3
Columns in X	2
Columns in Z	289
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	276	2920310	10581	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	128539	16067	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	601504	4488.835177	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	2.36	<.0001
YEAR	134	3.58	0.0009
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	4100.96
YEAR	734.06
Residual	4488.84

Fit Statistics

-2 Res Log Likelihood	4920.6
AIC (smaller is better)	4926.6
AICC (smaller is better)	4926.6
BIC (smaller is better)	4937.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	73.9396	19.8430	8	3.73	0.0058	0.05	28.1816	119.70
TIME	-1.0319	2.8639	134	-0.36	0.7192	0.05	-6.6961	4.6323

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	393.74	-49.5111
2	TIME	-49.5111	8.2016

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	0.13	0.7192

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	3
Columns in X	2
Columns in Z	259
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	246	2195901	8926.428405	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	53722	6715.299243	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	483828	2443.575008	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	3.65	<.0001
YEAR	198	2.75	0.0067
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	3591.85
YEAR	193.13
Residual	2443.58

Fit Statistics

-2 Res Log Likelihood	5136.2
AIC (smaller is better)	5142.2
AICC (smaller is better)	5142.3
BIC (smaller is better)	5152.8

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	67.8121	11.2158	8	6.05	0.0003	0.05	41.9483	93.6759
TIME	-0.9971	1.5520	198	-0.64	0.5213	0.05	-4.0578	2.0636

Covariance Matrix for Fixed Effects

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

1	Intercept	125.80	-14.4076
2	TIME	-14.4076	2.4089

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	0.41	0.5213

The current variable is CON_20PLUS
ALL REGIONS

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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	3
Columns in X	2
Columns in Z	1371
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	1358	8865520	6528.365331	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	81636	10205	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	1925725	2453.153367	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
--------	-------------	---------	--------

TIME	785	0.00	.
ID_NUM	785	2.66	<.0001
YEAR	785	4.16	<.0001
Residual	.	.	.

The current variable is CON_20PLUS

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ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	2582.43
YEAR	89.0139
Residual	2453.15

Fit Statistics

-2 Res Log Likelihood	24043.7
AIC (smaller is better)	24049.7
AICC (smaller is better)	24049.7
BIC (smaller is better)	24065.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	47.1748	6.7937	8	6.94	0.0001	0.05	31.5086	62.8410
TIME	-0.1630	0.9833	785	-0.17	0.8684	0.05	-2.0931	1.7671

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	46.1538	-5.7910
2	TIME	-5.7910	0.9668

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	0.03	0.8684

The current variable is CON_36PLUS

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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	3
Columns in X	2
Columns in Z	301
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	288	101305	351.753479	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	2186.607377	273.325922	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	30642	205.650718	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	1.71	0.0001
YEAR	149	1.33	0.2333
Residual	.	.	.

The current variable is CON_36PLUS

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Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	96.2874
YEAR	3.9030
Residual	205.65

Fit Statistics

-2 Res Log Likelihood	3790.1
AIC (smaller is better)	3796.1
AICC (smaller is better)	3796.1
BIC (smaller is better)	3807.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	6.4007	2.0932	8	3.06	0.0156	0.05	1.5737	11.2277
TIME	-0.09831	0.3035	149	-0.32	0.7465	0.05	-0.6981	0.5015

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	4.3816	-0.5372
2	TIME	-0.5372	0.09213

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	0.10	0.7465

The current variable is CON_36PLUS

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----- 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

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	299
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	286	126706	443.029569	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	5782.802224	722.850278	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	42786	326.610094	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	1.36	0.0238
YEAR	131	2.21	0.0303
Residual	.	.	.

The current variable is CON_36PLUS

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	79.8465
YEAR	25.5508
Residual	326.61

Fit Statistics

-2 Res Log Likelihood	3780.7
AIC (smaller is better)	3786.7
AICC (smaller is better)	3786.7
BIC (smaller is better)	3797.6

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	8.1784	3.8553	8	2.12	0.0667	0.05	-0.7120	17.0688
TIME	0.3550	0.5635	131	0.63	0.5298	0.05	-0.7598	1.4699

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	14.8635	-1.8986
2	TIME	-1.8986	0.3176

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	0.40	0.5298

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	3
Columns in X	2
Columns in Z	267
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	254	196458	773.455787	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	1838.730651	229.841331	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	39597	289.029944	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	2.68	<.0001
YEAR	137	0.80	0.6077
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	314.69
YEAR	-3.7024
Residual	289.03

Fit Statistics

-2 Res Log Likelihood	3637.1
AIC (smaller is better)	3643.1
AICC (smaller is better)	3643.2
BIC (smaller is better)	3653.8

Solution for Fixed Effects

Standard

Effect	Estimate	Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	8.5030	2.0399	8	4.17	0.0031	0.05	3.7991	13.2070
TIME	0.07384	0.2586	137	0.29	0.7757	0.05	-0.4376	0.5853

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	4.1611	-0.3976
2	TIME	-0.3976	0.06690

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	0.08	0.7757

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
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	289
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	276	362650	1313.947941	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	19846	2480.723204	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	115276	860.269094	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	134	0.00	.
ID_NUM	134	1.53	0.0030
YEAR	134	2.88	0.0054
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	305.40
YEAR	102.73
Residual	860.27

Fit Statistics

-2 Res Log Likelihood	4143.4
AIC (smaller is better)	4149.4
AICC (smaller is better)	4149.5
BIC (smaller is better)	4160.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	23.2121	7.4608	8	3.11	0.0144	0.05	6.0075	40.4168
TIME	-0.8551	1.0846	134	-0.79	0.4318	0.05	-3.0003	1.2900

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	55.6635	-7.0956

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	0.62	0.4318

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	3
Columns in X	2
Columns in Z	259
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	246	458999	1865.851090	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	8677.431718	1084.678965	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	112855	569.974066	Var(Residual)	.

Type 3 Analysis of Variance

Error

Source	DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	3.27	<.0001
YEAR	198	1.90	0.0614
Residual	.	.	.

The current variable is CON_36PLUS

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

The Mixed Procedure

Covariance Parameter
Estimates

Cov Parm	Estimate
ID_NUM	717.99
YEAR	23.2703
Residual	569.97

Fit Statistics

-2 Res Log Likelihood	4467.5
AIC (smaller is better)	4473.5
AICC (smaller is better)	4473.5
BIC (smaller is better)	4484.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	25.4183	4.4306	8	5.74	0.0004	0.05	15.2013	35.6353
TIME	-1.1773	0.6004	198	-1.96	0.0513	0.05	-2.3614	0.006785

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	19.6301	-2.1542
2	TIME	-2.1542	0.3605

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	3.84	0.0513

The current variable is CON_36PLUS

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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	3
Columns in X	2
Columns in Z	1371
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	1358	1320306	972.242682	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	13324	1665.518536	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	375108	477.844525	Var(Residual)	.

Type 3 Analysis of Variance

Source	DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	2.03	<.0001
YEAR	785	3.49	0.0006
Residual	.	.	.

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	313.30
YEAR	13.6388
Residual	477.84

Fit Statistics

-2 Res Log Likelihood	20258.8
AIC (smaller is better)	20264.8
AICC (smaller is better)	20264.8
BIC (smaller is better)	20280.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	14.1858	2.6837	8	5.29	0.0007	0.05	7.9971	20.3745
TIME	-0.3425	0.3899	785	-0.88	0.3799	0.05	-1.1080	0.4229

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	7.2025	-0.9105
2	TIME	-0.9105	0.1520

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	0.77	0.3799

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

Dimensions

Covariance Parameters	3
Columns in X	2
Columns in Z	301
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	288	1931.830061	6.707743	Var(Residual) + 1.5174 Var(ID_NUM)	MS(Residual)
YEAR	8	101.202953	12.650369	Var(Residual) + 17.339 Var(YEAR)	MS(Residual)
Residual	149	640.680713	4.299871	Var(Residual)	.

Type 3 Analysis of Variance

Error			
Source	DF	F Value	Pr > F
TIME	149	0.00	.
ID_NUM	149	1.56	0.0013
YEAR	149	2.94	0.0044
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	1.5869
YEAR	0.4816
Residual	4.2999

Fit Statistics

-2 Res Log Likelihood	2042.4
AIC (smaller is better)	2048.4
AICC (smaller is better)	2048.4
BIC (smaller is better)	2059.4

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.9669	0.5061	8	1.91	0.0925	0.05	-0.2002	2.1339
TIME	-0.01460	0.07436	149	-0.20	0.8446	0.05	-0.1615	0.1323

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.2561	-0.03285
2	TIME	-0.03285	0.005530

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	149	0.04	0.8446

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	3
Columns in X	2
Columns in Z	299
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	286	1378.617301	4.820340	Var(Residual) + 1.458 Var(ID_NUM)	MS(Residual)
YEAR	8	13.392971	1.674121	Var(Residual) + 15.508 Var(YEAR)	MS(Residual)
Residual	131	186.118294	1.420750	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	131	0.00	.
ID_NUM	131	3.39	<.0001
YEAR	131	1.18	0.3169
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	2.3316
YEAR	0.01634
Residual	1.4208

Fit Statistics

-2 Res Log Likelihood	1727.4
AIC (smaller is better)	1733.4
AICC (smaller is better)	1733.4
BIC (smaller is better)	1744.3

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
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Intercept	0.6557	0.1961	8	3.34	0.0102	0.05	0.2034	1.1080
TIME	0.03057	0.02626	131	1.16	0.2466	0.05	-0.02139	0.08252

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.03847	-0.00412
2	TIME	-0.00412	0.000690

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	131	1.35	0.2466

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	3
Columns in X	2
Columns in Z	267
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	254	957.380267	3.769214	Var(Residual) + 1.5394 Var(ID_NUM)	MS(Residual)
YEAR	8	12.990006	1.623751	Var(Residual) + 15.987 Var(YEAR)	MS(Residual)
Residual	137	285.953709	2.087253	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	137	0.00	.
ID_NUM	137	1.81	<.0001
YEAR	137	0.78	0.6228
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	1.0926
YEAR	-0.02899
Residual	2.0873

Fit Statistics

-2 Res Log Likelihood	1588.1
AIC (smaller is better)	1594.1
AICC (smaller is better)	1594.1
BIC (smaller is better)	1604.7

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.4618	0.1441	8	3.20	0.0125	0.05	0.1294	0.7941
TIME	0.008405	0.01917	137	0.44	0.6618	0.05	-0.02951	0.04632

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.02077	-0.00218
2	TIME	-0.00218	0.000368

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	137	0.19	0.6618

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	3
Columns in X	2
Columns in Z	289
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	276	424.178332	1.536878	Var(Residual) + 1.4855 Var(ID_NUM)	MS(Residual)
YEAR	8	3.683569	0.460446	Var(Residual) + 15.773 Var(YEAR)	MS(Residual)
Residual	134	28.130765	0.209931	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
--------	-------------	---------	--------

TIME	134	0.00	.
ID_NUM	134	7.32	<.0001
YEAR	134	2.19	0.0317
Residual	.	.	.

The current variable is BVR_DAM

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

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.8933
YEAR	0.01588
Residual	0.2099

Fit Statistics

-2 Res Log Likelihood	1176.1
AIC (smaller is better)	1182.1
AICC (smaller is better)	1182.2
BIC (smaller is better)	1193.0

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.008848	0.1203	8	0.07	0.9432	0.05	-0.2685	0.2862
TIME	0.04244	0.01569	134	2.71	0.0077	0.05	0.01141	0.07347

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.01446	-0.00150
2	TIME	-0.00150	0.000246

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	134	7.32	0.0077

The current variable is BVR_DAM

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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	3
Columns in X	2
Columns in Z	259
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	246	26.505381	0.107745	Var(Residual) + 1.8049 Var(ID_NUM)	MS(Residual)
YEAR	8	0.381381	0.047673	Var(Residual) + 22.119 Var(YEAR)	MS(Residual)
Residual	198	14.344332	0.072446	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	198	0.00	.
ID_NUM	198	1.49	0.0019
YEAR	198	0.66	0.7280
Residual	.	.	.

The current variable is BVR_DAM

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Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	0.01956
YEAR	-0.00112
Residual	0.07245

Fit Statistics

-2 Res Log Likelihood	223.9
AIC (smaller is better)	229.9
AICC (smaller is better)	230.0
BIC (smaller is better)	240.5

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.02255	0.01943	8	1.16	0.2794	0.05	-0.02226	0.06735
TIME	0.003550	0.002433	198	1.46	0.1461	0.05	-0.00125	0.008348

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.000378	-0.00004
2	TIME	-0.00004	5.919E-6

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	198	2.13	0.1461

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	3
Columns in X	2
Columns in Z	1371
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	1358	5084.824450	3.744348	Var(Residual) + 1.5781 Var(ID_NUM)	MS(Residual)
YEAR	8	19.165218	2.395652	Var(Residual) + 87.081 Var(YEAR)	MS(Residual)
Residual	785	1269.786349	1.617562	Var(Residual)	.

Type 3 Analysis of Variance

Source	Error DF	F Value	Pr > F
TIME	785	0.00	.
ID_NUM	785	2.31	<.0001
YEAR	785	1.48	0.1601
Residual	.	.	.

The current variable is BVR_DAM
ALL REGIONS

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The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
ID_NUM	1.3477
YEAR	0.008935
Residual	1.6176

Fit Statistics

-2 Res Log Likelihood	8245.5
AIC (smaller is better)	8251.5
AICC (smaller is better)	8251.5
BIC (smaller is better)	8267.1

Solution for Fixed Effects

Effect	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept	0.4309	0.09578	8	4.50	0.0020	0.05	0.2100	0.6518
TIME	0.01379	0.01341	785	1.03	0.3041	0.05	-0.01253	0.04011

Covariance Matrix for Fixed Effects

Row	Effect	Col1	Col2
1	Intercept	0.009175	-0.00107
2	TIME	-0.00107	0.000180

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
TIME	1	785	1.06	0.3041

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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
NOPOOLS	NOPOOLS	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
PCTSNDOR	PCTSNDOR	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
PCTSCPOOL	PCTSCPOOL	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

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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The MEANS Procedure

Variable	Label	Variance
WIDTH	WIDTH	18.2373457
ACW	ACW	40.2287746
ACH	ACH	0.0446779
NOPOOLS	NOPOOLS	154.3957353
PCTPOOLS	PCTPOOLS	703.7243968
PCTSCPPOOL	PCTSCPPOOL	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

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
PCTSCP00L	PCTSCP00L	452.8145935
PCTSWP00L	PCTSWP00L	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

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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
PCTSCP00L	PCTSCP00L	249.0255841
PCTSWP00L	PCTSWP00L	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	52160
2	PRICHNLL	1-NC	YEAR	501.32
3	PRICHNLL	1-NC	Residual	14043
4	PRICHNLL	2-MC	ID_NUM	53585
5	PRICHNLL	2-MC	YEAR	351.19
6	PRICHNLL	2-MC	Residual	9973.97
7	PRICHNLL	3-MS	ID_NUM	52746
8	PRICHNLL	3-MS	YEAR	408.64
9	PRICHNLL	3-MS	Residual	16022
10	PRICHNLL	4-UMP	ID_NUM	56397
11	PRICHNLL	4-UMP	YEAR	592.50
12	PRICHNLL	4-UMP	Residual	8274.20
13	PRICHNLL	5-SC	ID_NUM	46698
14	PRICHNLL	5-SC	YEAR	-11.6991
15	PRICHNLL	5-SC	Residual	2637.82
16	PRICHNLL	ALL	ID_NUM	57532
17	PRICHNLL	ALL	YEAR	290.32
18	PRICHNLL	ALL	Residual	9940.61
19	SECCHNLL	1-NC	ID_NUM	11109
20	SECCHNLL	1-NC	YEAR	348.02
21	SECCHNLL	1-NC	Residual	3352.93
22	SECCHNLL	2-MC	ID_NUM	11842
23	SECCHNLL	2-MC	YEAR	-208.77
24	SECCHNLL	2-MC	Residual	5681.45

25	SECCHNLL	3-MS	ID_NUM	6797.07
26	SECCHNLL	3-MS	YEAR	227.34
27	SECCHNLL	3-MS	Residual	1256.32
28	SECCHNLL	4-UMP	ID_NUM	4509.01
29	SECCHNLL	4-UMP	YEAR	36.2455
30	SECCHNLL	4-UMP	Residual	1379.81
31	SECCHNLL	5-SC	ID_NUM	4980.31
32	SECCHNLL	5-SC	YEAR	303.09
33	SECCHNLL	5-SC	Residual	3523.42
34	SECCHNLL	ALL	ID_NUM	8133.93
35	SECCHNLL	ALL	YEAR	49.8882
36	SECCHNLL	ALL	Residual	3212.40
37	PRICHNAREA	1-NC	ID_NUM	13685799
38	PRICHNAREA	1-NC	YEAR	7249.14
39	PRICHNAREA	1-NC	Residual	1135535
40	PRICHNAREA	2-MC	ID_NUM	19237165
41	PRICHNAREA	2-MC	YEAR	-35280
42	PRICHNAREA	2-MC	Residual	1131239
43	PRICHNAREA	3-MS	ID_NUM	19015963
44	PRICHNAREA	3-MS	YEAR	71662
45	PRICHNAREA	3-MS	Residual	5979167
46	PRICHNAREA	4-UMP	ID_NUM	10986435
47	PRICHNAREA	4-UMP	YEAR	23775
48	PRICHNAREA	4-UMP	Residual	439813
49	PRICHNAREA	5-SC	ID_NUM	8285217
50	PRICHNAREA	5-SC	YEAR	-22399
51	PRICHNAREA	5-SC	Residual	1023005

ESTIMATES OF VARIANCE COMPONENTS

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Obs	Variable	GCG	CovParm	Estimate
52	PRICHNAREA	ALL	ID_NUM	14538983
53	PRICHNAREA	ALL	YEAR	-4566.26
54	PRICHNAREA	ALL	Residual	1874502
55	SECCHNAREA	1-NC	ID_NUM	289596
56	SECCHNAREA	1-NC	YEAR	2319.45
57	SECCHNAREA	1-NC	Residual	64243
58	SECCHNAREA	2-MC	ID_NUM	191828
59	SECCHNAREA	2-MC	YEAR	-1756.98
60	SECCHNAREA	2-MC	Residual	62576
61	SECCHNAREA	3-MS	ID_NUM	45749
62	SECCHNAREA	3-MS	YEAR	25.4005
63	SECCHNAREA	3-MS	Residual	21294
64	SECCHNAREA	4-UMP	ID_NUM	86017
65	SECCHNAREA	4-UMP	YEAR	925.27
66	SECCHNAREA	4-UMP	Residual	13450
67	SECCHNAREA	5-SC	ID_NUM	177986
68	SECCHNAREA	5-SC	YEAR	5596.27
69	SECCHNAREA	5-SC	Residual	154750
70	SECCHNAREA	ALL	ID_NUM	157642
71	SECCHNAREA	ALL	YEAR	1312.60
72	SECCHNAREA	ALL	Residual	71412
73	PCTSCCHNLA	1-NC	ID_NUM	13.7309
74	PCTSCCHNLA	1-NC	YEAR	0.8605
75	PCTSCCHNLA	1-NC	Residual	35.1033

76	PCTSCCHNLA	2-MC	ID_NUM	20.1598
77	PCTSCCHNLA	2-MC	YEAR	-0.5138
78	PCTSCCHNLA	2-MC	Residual	9.3143
79	PCTSCCHNLA	3-MS	ID_NUM	17.9801
80	PCTSCCHNLA	3-MS	YEAR	0.6759
81	PCTSCCHNLA	3-MS	Residual	7.5431
82	PCTSCCHNLA	4-UMP	ID_NUM	9.6501
83	PCTSCCHNLA	4-UMP	YEAR	-0.1458
84	PCTSCCHNLA	4-UMP	Residual	9.4607
85	PCTSCCHNLA	5-SC	ID_NUM	23.1854
86	PCTSCCHNLA	5-SC	YEAR	1.7937
87	PCTSCCHNLA	5-SC	Residual	14.0014
88	PCTSCCHNLA	ALL	ID_NUM	17.8014
89	PCTSCCHNLA	ALL	YEAR	0.1288
90	PCTSCCHNLA	ALL	Residual	15.7551
91	GRADIENT	1-NC	ID_NUM	15.0533
92	GRADIENT	1-NC	YEAR	0.08592
93	GRADIENT	1-NC	Residual	1.2547
94	GRADIENT	2-MC	ID_NUM	17.3385
95	GRADIENT	2-MC	YEAR	0.01190
96	GRADIENT	2-MC	Residual	0.8272
97	GRADIENT	3-MS	ID_NUM	31.5314
98	GRADIENT	3-MS	YEAR	0.2259
99	GRADIENT	3-MS	Residual	2.6189
100	GRADIENT	4-UMP	ID_NUM	28.5482
101	GRADIENT	4-UMP	YEAR	0.5617
102	GRADIENT	4-UMP	Residual	2.7812

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Obs	Variable	GCG	CovParm	Estimate
103	GRADIENT	5-SC	ID_NUM	48.4425
104	GRADIENT	5-SC	YEAR	0.2330
105	GRADIENT	5-SC	Residual	1.7729
106	GRADIENT	ALL	ID_NUM	30.5373
107	GRADIENT	ALL	YEAR	0.04718
108	GRADIENT	ALL	Residual	1.9986
109	VWIRCH	1-NC	ID_NUM	52.4855
110	VWIRCH	1-NC	YEAR	2.2394
111	VWIRCH	1-NC	Residual	28.7245
112	VWIRCH	2-MC	ID_NUM	5.3400
113	VWIRCH	2-MC	YEAR	-0.3351
114	VWIRCH	2-MC	Residual	30.9072
115	VWIRCH	3-MS	ID_NUM	34.8761
116	VWIRCH	3-MS	YEAR	0.2459
117	VWIRCH	3-MS	Residual	2.8148
118	VWIRCH	4-UMP	ID_NUM	73.4646
119	VWIRCH	4-UMP	YEAR	1.7089
120	VWIRCH	4-UMP	Residual	52.0085
121	VWIRCH	5-SC	ID_NUM	60.7182
122	VWIRCH	5-SC	YEAR	1.2775
123	VWIRCH	5-SC	Residual	85.3317
124	VWIRCH	ALL	ID_NUM	43.3578
125	VWIRCH	ALL	YEAR	0.2098
126	VWIRCH	ALL	Residual	44.4846

127	WIDTH	1-NC	ID_NUM	9.3216
128	WIDTH	1-NC	YEAR	-0.02036
129	WIDTH	1-NC	Residual	1.5658
130	WIDTH	2-MC	ID_NUM	14.9689
131	WIDTH	2-MC	YEAR	-0.1239
132	WIDTH	2-MC	Residual	3.1734
133	WIDTH	3-MS	ID_NUM	10.2851
134	WIDTH	3-MS	YEAR	0.05366
135	WIDTH	3-MS	Residual	1.3904
136	WIDTH	4-UMP	ID_NUM	5.6080
137	WIDTH	4-UMP	YEAR	0.02660
138	WIDTH	4-UMP	Residual	0.3744
139	WIDTH	5-SC	ID_NUM	6.1223
140	WIDTH	5-SC	YEAR	-0.02541
141	WIDTH	5-SC	Residual	0.9734
142	WIDTH	ALL	ID_NUM	9.5807
143	WIDTH	ALL	YEAR	-0.00716
144	WIDTH	ALL	Residual	1.4428
145	ACW	1-NC	ID_NUM	36.1974
146	ACW	1-NC	YEAR	1.0636
147	ACW	1-NC	Residual	9.1372
148	ACW	2-MC	ID_NUM	37.4768
149	ACW	2-MC	YEAR	0.1253
150	ACW	2-MC	Residual	2.1791
151	ACW	3-MS	ID_NUM	73.9619
152	ACW	3-MS	YEAR	0.1955
153	ACW	3-MS	Residual	11.2749

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Obs	Variable	GCG	CovParm	Estimate
154	ACW	4-UMP	ID_NUM	19.2866
155	ACW	4-UMP	YEAR	0.1019
156	ACW	4-UMP	Residual	1.2183
157	ACW	5-SC	ID_NUM	29.2576
158	ACW	5-SC	YEAR	0.1466
159	ACW	5-SC	Residual	5.0907
160	ACW	ALL	ID_NUM	39.7121
161	ACW	ALL	YEAR	0.07377
162	ACW	ALL	Residual	6.0628
163	ACH	1-NC	ID_NUM	0.08551
164	ACH	1-NC	YEAR	0.008160
165	ACH	1-NC	Residual	0.02686
166	ACH	2-MC	ID_NUM	0.02440
167	ACH	2-MC	YEAR	0.001987
168	ACH	2-MC	Residual	0.01774
169	ACH	3-MS	ID_NUM	0.05116
170	ACH	3-MS	YEAR	0.003795
171	ACH	3-MS	Residual	0.04351
172	ACH	4-UMP	ID_NUM	0.01202
173	ACH	4-UMP	YEAR	0.003516
174	ACH	4-UMP	Residual	0.01475
175	ACH	5-SC	ID_NUM	0.03997
176	ACH	5-SC	YEAR	-0.00005
177	ACH	5-SC	Residual	0.03244

178	ACH	ALL	ID_NUM	0.04381
179	ACH	ALL	YEAR	0.000454
180	ACH	ALL	Residual	0.03044
181	NOPPOOLS	1-NC	ID_NUM	34.6031
182	NOPPOOLS	1-NC	YEAR	8.7386
183	NOPPOOLS	1-NC	Residual	49.2902
184	NOPPOOLS	2-MC	ID_NUM	99.2243
185	NOPPOOLS	2-MC	YEAR	0.04620
186	NOPPOOLS	2-MC	Residual	52.0005
187	NOPPOOLS	3-MS	ID_NUM	56.3563
188	NOPPOOLS	3-MS	YEAR	6.0658
189	NOPPOOLS	3-MS	Residual	35.9057
190	NOPPOOLS	4-UMP	ID_NUM	66.0809
191	NOPPOOLS	4-UMP	YEAR	6.0920
192	NOPPOOLS	4-UMP	Residual	29.0754
193	NOPPOOLS	5-SC	ID_NUM	29.0181
194	NOPPOOLS	5-SC	YEAR	3.5736
195	NOPPOOLS	5-SC	Residual	27.1785
196	NOPPOOLS	ALL	ID_NUM	65.8046
197	NOPPOOLS	ALL	YEAR	1.8094
198	NOPPOOLS	ALL	Residual	41.2537
199	PCTPOOLS	1-NC	ID_NUM	493.89
200	PCTPOOLS	1-NC	YEAR	24.5549
201	PCTPOOLS	1-NC	Residual	259.64
202	PCTPOOLS	2-MC	ID_NUM	553.72
203	PCTPOOLS	2-MC	YEAR	-3.8656
204	PCTPOOLS	2-MC	Residual	136.15

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Obs	Variable	GCG	CovParm	Estimate
205	PCTPOOLS	3-MS	ID_NUM	496.39
206	PCTPOOLS	3-MS	YEAR	17.0565
207	PCTPOOLS	3-MS	Residual	194.96
208	PCTPOOLS	4-UMP	ID_NUM	494.46
209	PCTPOOLS	4-UMP	YEAR	11.4387
210	PCTPOOLS	4-UMP	Residual	72.4357
211	PCTPOOLS	5-SC	ID_NUM	213.12
212	PCTPOOLS	5-SC	YEAR	0.8941
213	PCTPOOLS	5-SC	Residual	101.12
214	PCTPOOLS	ALL	ID_NUM	519.06
215	PCTPOOLS	ALL	YEAR	5.5871
216	PCTPOOLS	ALL	Residual	154.70
217	PCTSCP00L	1-NC	ID_NUM	299.29
218	PCTSCP00L	1-NC	YEAR	26.3619
219	PCTSCP00L	1-NC	Residual	142.66
220	PCTSCP00L	2-MC	ID_NUM	356.13
221	PCTSCP00L	2-MC	YEAR	7.6477
222	PCTSCP00L	2-MC	Residual	124.07
223	PCTSCP00L	3-MS	ID_NUM	396.20
224	PCTSCP00L	3-MS	YEAR	24.2428
225	PCTSCP00L	3-MS	Residual	178.97
226	PCTSCP00L	4-UMP	ID_NUM	364.03
227	PCTSCP00L	4-UMP	YEAR	13.9130
228	PCTSCP00L	4-UMP	Residual	83.9212

229	PCTSCP00L	5-SC	ID_NUM	179.50
230	PCTSCP00L	5-SC	YEAR	3.1968
231	PCTSCP00L	5-SC	Residual	68.3914
232	PCTSCP00L	ALL	ID_NUM	350.72
233	PCTSCP00L	ALL	YEAR	5.9655
234	PCTSCP00L	ALL	Residual	123.21
235	PCTSWP00L	1-NC	ID_NUM	315.02
236	PCTSWP00L	1-NC	YEAR	1.8360
237	PCTSWP00L	1-NC	Residual	240.45
238	PCTSWP00L	2-MC	ID_NUM	220.07
239	PCTSWP00L	2-MC	YEAR	-1.6935
240	PCTSWP00L	2-MC	Residual	143.15
241	PCTSWP00L	3-MS	ID_NUM	193.39
242	PCTSWP00L	3-MS	YEAR	-1.3250
243	PCTSWP00L	3-MS	Residual	90.8211
244	PCTSWP00L	4-UMP	ID_NUM	80.0354
245	PCTSWP00L	4-UMP	YEAR	-0.3508
246	PCTSWP00L	4-UMP	Residual	35.4914
247	PCTSWP00L	5-SC	ID_NUM	10.4503
248	PCTSWP00L	5-SC	YEAR	-0.4753
249	PCTSWP00L	5-SC	Residual	34.5230
250	PCTSWP00L	ALL	ID_NUM	177.37
251	PCTSWP00L	ALL	YEAR	-0.4215
252	PCTSWP00L	ALL	Residual	105.98
253	SCRPOOLD	1-NC	ID_NUM	0.07802
254	SCRPOOLD	1-NC	YEAR	0.003812
255	SCRPOOLD	1-NC	Residual	0.01811

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Obs	Variable	GCG	CovParm	Estimate
256	SCRPOOLD	2-MC	ID_NUM	0.05345
257	SCRPOOLD	2-MC	YEAR	0.002626
258	SCRPOOLD	2-MC	Residual	0.04465
259	SCRPOOLD	3-MS	ID_NUM	0.1075
260	SCRPOOLD	3-MS	YEAR	0.02025
261	SCRPOOLD	3-MS	Residual	0.03768
262	SCRPOOLD	4-UMP	ID_NUM	0.06700
263	SCRPOOLD	4-UMP	YEAR	0.000820
264	SCRPOOLD	4-UMP	Residual	0.02562
265	SCRPOOLD	5-SC	ID_NUM	0.1052
266	SCRPOOLD	5-SC	YEAR	0.001938
267	SCRPOOLD	5-SC	Residual	0.01262
268	SCRPOOLD	ALL	ID_NUM	0.08237
269	SCRPOOLD	ALL	YEAR	0.001416
270	SCRPOOLD	ALL	Residual	0.03056
271	RIFFLEDEP	1-NC	ID_NUM	0.003540
272	RIFFLEDEP	1-NC	YEAR	0.001387
273	RIFFLEDEP	1-NC	Residual	0.004082
274	RIFFLEDEP	2-MC	ID_NUM	0.004554
275	RIFFLEDEP	2-MC	YEAR	9.169E-6
276	RIFFLEDEP	2-MC	Residual	0.002207
277	RIFFLEDEP	3-MS	ID_NUM	0.004283
278	RIFFLEDEP	3-MS	YEAR	0.001416
279	RIFFLEDEP	3-MS	Residual	0.001691

280	RIFFLEDEP	4-UMP	ID_NUM	0.005890
281	RIFFLEDEP	4-UMP	YEAR	0.000743
282	RIFFLEDEP	4-UMP	Residual	0.002446
283	RIFFLEDEP	5-SC	ID_NUM	0.007207
284	RIFFLEDEP	5-SC	YEAR	0.000255
285	RIFFLEDEP	5-SC	Residual	0.002607
286	RIFFLEDEP	ALL	ID_NUM	0.005317
287	RIFFLEDEP	ALL	YEAR	0.000423
288	RIFFLEDEP	ALL	Residual	0.003009
289	LRGBLDR	1-NC	ID_NUM	62451
290	LRGBLDR	1-NC	YEAR	27145
291	LRGBLDR	1-NC	Residual	89845
292	LRGBLDR	2-MC	ID_NUM	131678
293	LRGBLDR	2-MC	YEAR	-388.71
294	LRGBLDR	2-MC	Residual	12681
295	LRGBLDR	3-MS	ID_NUM	107480
296	LRGBLDR	3-MS	YEAR	5665.41
297	LRGBLDR	3-MS	Residual	90128
298	LRGBLDR	4-UMP	ID_NUM	51945
299	LRGBLDR	4-UMP	YEAR	657.39
300	LRGBLDR	4-UMP	Residual	26173
301	LRGBLDR	5-SC	ID_NUM	-839627
302	LRGBLDR	5-SC	YEAR	22824
303	LRGBLDR	5-SC	Residual	2410473
304	LRGBLDR	ALL	ID_NUM	-226963
305	LRGBLDR	ALL	YEAR	-1990.35
306	LRGBLDR	ALL	Residual	682190

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Obs	Variable	GCG	CovParm	Estimate
307	PCTSNDOR	1-NC	ID_NUM	639.04
308	PCTSNDOR	1-NC	YEAR	28.1779
309	PCTSNDOR	1-NC	Residual	58.0935
310	PCTSNDOR	2-MC	ID_NUM	379.57
311	PCTSNDOR	2-MC	YEAR	18.9852
312	PCTSNDOR	2-MC	Residual	82.6198
313	PCTSNDOR	3-MS	ID_NUM	676.88
314	PCTSNDOR	3-MS	YEAR	4.5711
315	PCTSNDOR	3-MS	Residual	81.9009
316	PCTSNDOR	4-UMP	ID_NUM	387.26
317	PCTSNDOR	4-UMP	YEAR	5.8242
318	PCTSNDOR	4-UMP	Residual	92.7764
319	PCTSNDOR	5-SC	ID_NUM	309.54
320	PCTSNDOR	5-SC	YEAR	9.2555
321	PCTSNDOR	5-SC	Residual	64.3005
322	PCTSNDOR	ALL	ID_NUM	482.50
323	PCTSNDOR	ALL	YEAR	0.7660
324	PCTSNDOR	ALL	Residual	92.3796
325	PCTGRAVEL	1-NC	ID_NUM	132.33
326	PCTGRAVEL	1-NC	YEAR	11.0253
327	PCTGRAVEL	1-NC	Residual	64.4261
328	PCTGRAVEL	2-MC	ID_NUM	127.94
329	PCTGRAVEL	2-MC	YEAR	6.6301
330	PCTGRAVEL	2-MC	Residual	108.54

331	PCTGRAVEL	3-MS	ID_NUM	168.27
332	PCTGRAVEL	3-MS	YEAR	14.8239
333	PCTGRAVEL	3-MS	Residual	89.6358
334	PCTGRAVEL	4-UMP	ID_NUM	130.24
335	PCTGRAVEL	4-UMP	YEAR	16.7684
336	PCTGRAVEL	4-UMP	Residual	50.1291
337	PCTGRAVEL	5-SC	ID_NUM	77.7759
338	PCTGRAVEL	5-SC	YEAR	2.0648
339	PCTGRAVEL	5-SC	Residual	53.7495
340	PCTGRAVEL	ALL	ID_NUM	125.95
341	PCTGRAVEL	ALL	YEAR	1.6871
342	PCTGRAVEL	ALL	Residual	81.1959
343	PCTBEDROCK	1-NC	ID_NUM	82.0293
344	PCTBEDROCK	1-NC	YEAR	-0.4004
345	PCTBEDROCK	1-NC	Residual	13.4865
346	PCTBEDROCK	2-MC	ID_NUM	190.96
347	PCTBEDROCK	2-MC	YEAR	0.2517
348	PCTBEDROCK	2-MC	Residual	19.7008
349	PCTBEDROCK	3-MS	ID_NUM	166.46
350	PCTBEDROCK	3-MS	YEAR	-0.6856
351	PCTBEDROCK	3-MS	Residual	20.6854
352	PCTBEDROCK	4-UMP	ID_NUM	218.57
353	PCTBEDROCK	4-UMP	YEAR	1.0603
354	PCTBEDROCK	4-UMP	Residual	41.3637
355	PCTBEDROCK	5-SC	ID_NUM	113.26
356	PCTBEDROCK	5-SC	YEAR	1.8677
357	PCTBEDROCK	5-SC	Residual	16.5315

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Obs	Variable	GCG	CovParm	Estimate
358	PCTBEDROCK	ALL	ID_NUM	157.01
359	PCTBEDROCK	ALL	YEAR	0.1051
360	PCTBEDROCK	ALL	Residual	22.0400
361	POOL1P_KM	1-NC	ID_NUM	5.0550
362	POOL1P_KM	1-NC	YEAR	-0.00784
363	POOL1P_KM	1-NC	Residual	5.5685
364	POOL1P_KM	2-MC	ID_NUM	4.8741
365	POOL1P_KM	2-MC	YEAR	0.001840
366	POOL1P_KM	2-MC	Residual	1.4939
367	POOL1P_KM	3-MS	ID_NUM	8.7260
368	POOL1P_KM	3-MS	YEAR	-0.08352
369	POOL1P_KM	3-MS	Residual	2.7463
370	POOL1P_KM	4-UMP	ID_NUM	5.0843
371	POOL1P_KM	4-UMP	YEAR	0.02928
372	POOL1P_KM	4-UMP	Residual	0.8842
373	POOL1P_KM	5-SC	ID_NUM	7.8014
374	POOL1P_KM	5-SC	YEAR	-0.03182
375	POOL1P_KM	5-SC	Residual	1.5845
376	POOL1P_KM	ALL	ID_NUM	6.4462
377	POOL1P_KM	ALL	YEAR	-0.00063
378	POOL1P_KM	ALL	Residual	2.4484
379	CWPOOL	1-NC	ID_NUM	115.81
380	CWPOOL	1-NC	YEAR	35.1113
381	CWPOOL	1-NC	Residual	377.77

382	CWPOOL	2-MC	ID_NUM	270.32
383	CWPOOL	2-MC	YEAR	-4.9369
384	CWPOOL	2-MC	Residual	274.45
385	CWPOOL	3-MS	ID_NUM	339.24
386	CWPOOL	3-MS	YEAR	-23.0450
387	CWPOOL	3-MS	Residual	905.34
388	CWPOOL	4-UMP	ID_NUM	844.68
389	CWPOOL	4-UMP	YEAR	56.3590
390	CWPOOL	4-UMP	Residual	697.35
391	CWPOOL	5-SC	ID_NUM	2498.48
392	CWPOOL	5-SC	YEAR	-1.7243
393	CWPOOL	5-SC	Residual	1269.53
394	CWPOOL	ALL	ID_NUM	787.74
395	CWPOOL	ALL	YEAR	3.4404
396	CWPOOL	ALL	Residual	749.74
397	PCTSHADE	1-NC	ID_NUM	162.00
398	PCTSHADE	1-NC	YEAR	39.0743
399	PCTSHADE	1-NC	Residual	94.6418
400	PCTSHADE	2-MC	ID_NUM	96.0618
401	PCTSHADE	2-MC	YEAR	3.4557
402	PCTSHADE	2-MC	Residual	69.9827
403	PCTSHADE	3-MS	ID_NUM	273.82
404	PCTSHADE	3-MS	YEAR	8.8667
405	PCTSHADE	3-MS	Residual	68.5914
406	PCTSHADE	4-UMP	ID_NUM	90.9018
407	PCTSHADE	4-UMP	YEAR	19.2114
408	PCTSHADE	4-UMP	Residual	108.12

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Obs	Variable	GCG	CovParm	Estimate
409	PCTSHADE	5-SC	ID_NUM	273.25
410	PCTSHADE	5-SC	YEAR	12.4185
411	PCTSHADE	5-SC	Residual	68.2054
412	PCTSHADE	ALL	ID_NUM	179.53
413	PCTSHADE	ALL	YEAR	5.5082
414	PCTSHADE	ALL	Residual	93.2763
415	PCTEROSION	1-NC	ID_NUM	8.1331
416	PCTEROSION	1-NC	YEAR	99.8789
417	PCTEROSION	1-NC	Residual	275.31
418	PCTEROSION	2-MC	ID_NUM	78.5876
419	PCTEROSION	2-MC	YEAR	23.9594
420	PCTEROSION	2-MC	Residual	92.1547
421	PCTEROSION	3-MS	ID_NUM	64.0559
422	PCTEROSION	3-MS	YEAR	6.7224
423	PCTEROSION	3-MS	Residual	66.4264
424	PCTEROSION	4-UMP	ID_NUM	113.83
425	PCTEROSION	4-UMP	YEAR	4.5102
426	PCTEROSION	4-UMP	Residual	92.2268
427	PCTEROSION	5-SC	ID_NUM	47.3481
428	PCTEROSION	5-SC	YEAR	26.2407
429	PCTEROSION	5-SC	Residual	84.1415
430	PCTEROSION	ALL	ID_NUM	59.4709
431	PCTEROSION	ALL	YEAR	6.8508
432	PCTEROSION	ALL	Residual	161.02

433	PCTUNDERC	1-NC	ID_NUM	10.5516
434	PCTUNDERC	1-NC	YEAR	1.4502
435	PCTUNDERC	1-NC	Residual	32.8525
436	PCTUNDERC	2-MC	ID_NUM	28.4130
437	PCTUNDERC	2-MC	YEAR	6.6317
438	PCTUNDERC	2-MC	Residual	26.5593
439	PCTUNDERC	3-MS	ID_NUM	18.0664
440	PCTUNDERC	3-MS	YEAR	2.8309
441	PCTUNDERC	3-MS	Residual	35.4597
442	PCTUNDERC	4-UMP	ID_NUM	35.7839
443	PCTUNDERC	4-UMP	YEAR	1.2218
444	PCTUNDERC	4-UMP	Residual	19.2563
445	PCTUNDERC	5-SC	ID_NUM	-0.4018
446	PCTUNDERC	5-SC	YEAR	-0.1354
447	PCTUNDERC	5-SC	Residual	26.1240
448	PCTUNDERC	ALL	ID_NUM	19.1800
449	PCTUNDERC	ALL	YEAR	0.7974
450	PCTUNDERC	ALL	Residual	31.2066
451	LWDPIECE1	1-NC	ID_NUM	83.4986
452	LWDPIECE1	1-NC	YEAR	11.3495
453	LWDPIECE1	1-NC	Residual	126.45
454	LWDPIECE1	2-MC	ID_NUM	68.2616
455	LWDPIECE1	2-MC	YEAR	-0.5203
456	LWDPIECE1	2-MC	Residual	18.0633
457	LWDPIECE1	3-MS	ID_NUM	157.21
458	LWDPIECE1	3-MS	YEAR	6.9820
459	LWDPIECE1	3-MS	Residual	25.8711

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Obs	Variable	GCG	CovParm	Estimate
460	LWDPIECE1	4-UMP	ID_NUM	70.9596
461	LWDPIECE1	4-UMP	YEAR	1.3929
462	LWDPIECE1	4-UMP	Residual	14.0121
463	LWDPIECE1	5-SC	ID_NUM	48.1653
464	LWDPIECE1	5-SC	YEAR	1.7727
465	LWDPIECE1	5-SC	Residual	29.3527
466	LWDPIECE1	ALL	ID_NUM	90.2084
467	LWDPIECE1	ALL	YEAR	1.6797
468	LWDPIECE1	ALL	Residual	46.1643
469	LWDVOL1	1-NC	ID_NUM	252.94
470	LWDVOL1	1-NC	YEAR	68.7976
471	LWDVOL1	1-NC	Residual	673.10
472	LWDVOL1	2-MC	ID_NUM	179.64
473	LWDVOL1	2-MC	YEAR	5.5070
474	LWDVOL1	2-MC	Residual	217.64
475	LWDVOL1	3-MS	ID_NUM	742.91
476	LWDVOL1	3-MS	YEAR	14.5840
477	LWDVOL1	3-MS	Residual	315.87
478	LWDVOL1	4-UMP	ID_NUM	317.36
479	LWDVOL1	4-UMP	YEAR	23.1230
480	LWDVOL1	4-UMP	Residual	100.90
481	LWDVOL1	5-SC	ID_NUM	251.58
482	LWDVOL1	5-SC	YEAR	3.1426
483	LWDVOL1	5-SC	Residual	153.75

484	LWDVOL1	ALL	ID_NUM	344.32
485	LWDVOL1	ALL	YEAR	0.9421
486	LWDVOL1	ALL	Residual	312.75
487	KEYLWD1	1-NC	ID_NUM	1.4064
488	KEYLWD1	1-NC	YEAR	0.1607
489	KEYLWD1	1-NC	Residual	1.1679
490	KEYLWD1	2-MC	ID_NUM	0.3975
491	KEYLWD1	2-MC	YEAR	0.01834
492	KEYLWD1	2-MC	Residual	0.6010
493	KEYLWD1	3-MS	ID_NUM	1.0664
494	KEYLWD1	3-MS	YEAR	0.05413
495	KEYLWD1	3-MS	Residual	1.0910
496	KEYLWD1	4-UMP	ID_NUM	0.8775
497	KEYLWD1	4-UMP	YEAR	0.1092
498	KEYLWD1	4-UMP	Residual	0.5006
499	KEYLWD1	5-SC	ID_NUM	0.8299
500	KEYLWD1	5-SC	YEAR	0.005914
501	KEYLWD1	5-SC	Residual	0.2699
502	KEYLWD1	ALL	ID_NUM	0.9142
503	KEYLWD1	ALL	YEAR	-0.00013
504	KEYLWD1	ALL	Residual	0.7723
505	RESIDPD	1-NC	ID_NUM	0.04789
506	RESIDPD	1-NC	YEAR	0.000314
507	RESIDPD	1-NC	Residual	0.01567
508	RESIDPD	2-MC	ID_NUM	0.03902
509	RESIDPD	2-MC	YEAR	0.001343
510	RESIDPD	2-MC	Residual	0.007458

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Obs	Variable	GCG	CovParm	Estimate
511	RESIDPD	3-MS	ID_NUM	0.07195
512	RESIDPD	3-MS	YEAR	0.001404
513	RESIDPD	3-MS	Residual	0.05210
514	RESIDPD	4-UMP	ID_NUM	0.03732
515	RESIDPD	4-UMP	YEAR	0.001315
516	RESIDPD	4-UMP	Residual	0.02118
517	RESIDPD	5-SC	ID_NUM	0.06632
518	RESIDPD	5-SC	YEAR	0.001696
519	RESIDPD	5-SC	Residual	0.009886
520	RESIDPD	ALL	ID_NUM	0.05362
521	RESIDPD	ALL	YEAR	0.000809
522	RESIDPD	ALL	Residual	0.02111
523	LRGBLDR1	1-NC	ID_NUM	1258.58
524	LRGBLDR1	1-NC	YEAR	389.40
525	LRGBLDR1	1-NC	Residual	1340.80
526	LRGBLDR1	2-MC	ID_NUM	1815.74
527	LRGBLDR1	2-MC	YEAR	-5.7301
528	LRGBLDR1	2-MC	Residual	161.61
529	LRGBLDR1	3-MS	ID_NUM	1518.71
530	LRGBLDR1	3-MS	YEAR	136.41
531	LRGBLDR1	3-MS	Residual	1145.95
532	LRGBLDR1	4-UMP	ID_NUM	1280.87
533	LRGBLDR1	4-UMP	YEAR	22.6126
534	LRGBLDR1	4-UMP	Residual	375.77

535	LRGBLDR1	5-SC	ID_NUM	-7058.82
536	LRGBLDR1	5-SC	YEAR	436.92
537	LRGBLDR1	5-SC	Residual	23141
538	LRGBLDR1	ALL	ID_NUM	-1431.70
539	LRGBLDR1	ALL	YEAR	-3.7754
540	LRGBLDR1	ALL	Residual	6802.25
541	CON_20PLUS	1-NC	ID_NUM	1328.59
542	CON_20PLUS	1-NC	YEAR	4.6604
543	CON_20PLUS	1-NC	Residual	1468.86
544	CON_20PLUS	2-MC	ID_NUM	1009.19
545	CON_20PLUS	2-MC	YEAR	-23.1907
546	CON_20PLUS	2-MC	Residual	2145.25
547	CON_20PLUS	3-MS	ID_NUM	1264.06
548	CON_20PLUS	3-MS	YEAR	17.6837
549	CON_20PLUS	3-MS	Residual	1334.44
550	CON_20PLUS	4-UMP	ID_NUM	4100.96
551	CON_20PLUS	4-UMP	YEAR	734.06
552	CON_20PLUS	4-UMP	Residual	4488.84
553	CON_20PLUS	5-SC	ID_NUM	3591.85
554	CON_20PLUS	5-SC	YEAR	193.13
555	CON_20PLUS	5-SC	Residual	2443.58
556	CON_20PLUS	ALL	ID_NUM	2582.43
557	CON_20PLUS	ALL	YEAR	89.0139
558	CON_20PLUS	ALL	Residual	2453.15
559	CON_36PLUS	1-NC	ID_NUM	96.2874
560	CON_36PLUS	1-NC	YEAR	3.9030
561	CON_36PLUS	1-NC	Residual	205.65

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Obs	Variable	GCG	CovParm	Estimate
562	CON_36PLUS	2-MC	ID_NUM	79.8465
563	CON_36PLUS	2-MC	YEAR	25.5508
564	CON_36PLUS	2-MC	Residual	326.61
565	CON_36PLUS	3-MS	ID_NUM	314.69
566	CON_36PLUS	3-MS	YEAR	-3.7024
567	CON_36PLUS	3-MS	Residual	289.03
568	CON_36PLUS	4-UMP	ID_NUM	305.40
569	CON_36PLUS	4-UMP	YEAR	102.73
570	CON_36PLUS	4-UMP	Residual	860.27
571	CON_36PLUS	5-SC	ID_NUM	717.99
572	CON_36PLUS	5-SC	YEAR	23.2703
573	CON_36PLUS	5-SC	Residual	569.97
574	CON_36PLUS	ALL	ID_NUM	313.30
575	CON_36PLUS	ALL	YEAR	13.6388
576	CON_36PLUS	ALL	Residual	477.84
577	BVR_DAM	1-NC	ID_NUM	1.5869
578	BVR_DAM	1-NC	YEAR	0.4816
579	BVR_DAM	1-NC	Residual	4.2999
580	BVR_DAM	2-MC	ID_NUM	2.3316
581	BVR_DAM	2-MC	YEAR	0.01634
582	BVR_DAM	2-MC	Residual	1.4208
583	BVR_DAM	3-MS	ID_NUM	1.0926
584	BVR_DAM	3-MS	YEAR	-0.02899
585	BVR_DAM	3-MS	Residual	2.0873

586	BVR_DAM	4-UMP	ID_NUM	0.8933
587	BVR_DAM	4-UMP	YEAR	0.01588
588	BVR_DAM	4-UMP	Residual	0.2099
589	BVR_DAM	5-SC	ID_NUM	0.01956
590	BVR_DAM	5-SC	YEAR	-0.00112
591	BVR_DAM	5-SC	Residual	0.07245
592	BVR_DAM	ALL	ID_NUM	1.3477
593	BVR_DAM	ALL	YEAR	0.008935
594	BVR_DAM	ALL	Residual	1.6176

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	749.96	24.8461	8	30.18	<.0001	0.05	692.67	807.26
2	PRICHNLL	1-NC	TIME	8.2550	3.2022	149	2.58	0.0109	0.05	1.9275	14.5825
3	PRICHNLL	2-MC	Intercept	797.92	23.2746	8	34.28	<.0001	0.05	744.25	851.60
4	PRICHNLL	2-MC	TIME	9.3402	2.8640	131	3.26	0.0014	0.05	3.6745	15.0060
5	PRICHNLL	3-MS	Intercept	670.45	26.2740	8	25.52	<.0001	0.05	609.86	731.04
6	PRICHNLL	3-MS	TIME	11.4387	3.3176	137	3.45	0.0008	0.05	4.8783	17.9991
7	PRICHNLL	4-UMP	Intercept	683.26	25.4138	8	26.89	<.0001	0.05	624.66	741.87
8	PRICHNLL	4-UMP	TIME	5.3045	3.1204	134	1.70	0.0915	0.05	-0.8670	11.4760
9	PRICHNLL	5-SC	Intercept	612.90	14.8501	8	41.27	<.0001	0.05	578.66	647.15
10	PRICHNLL	5-SC	TIME	-0.7194	0.8341	198	-0.86	0.3895	0.05	-2.3643	0.9255
11	PRICHNLL	ALL	Intercept	713.63	14.1614	8	50.39	<.0001	0.05	680.97	746.28
12	PRICHNLL	ALL	TIME	5.5873	1.8723	785	2.98	0.0029	0.05	1.9119	9.2626
13	SECCHNLL	1-NC	Intercept	93.5115	15.4571	8	6.05	0.0003	0.05	57.8674	129.16
14	SECCHNLL	1-NC	TIME	-1.2350	2.1261	139	-0.58	0.5623	0.05	-5.4387	2.9687
15	SECCHNLL	2-MC	Intercept	93.5192	4.9254	8	18.99	<.0001	0.05	82.1614	104.88
16	SECCHNLL	2-MC	TIME	0.3146	0.2132	129	1.48	0.1425	0.05	-0.1072	0.7365
17	SECCHNLL	3-MS	Intercept	51.5430	12.2512	8	4.21	0.0030	0.05	23.2917	79.7943
18	SECCHNLL	3-MS	TIME	0.4922	1.6499	134	0.30	0.7659	0.05	-2.7709	3.7554
19	SECCHNLL	4-UMP	Intercept	30.1534	7.8305	8	3.85	0.0049	0.05	12.0961	48.2107
20	SECCHNLL	4-UMP	TIME	2.8448	0.9786	119	2.91	0.0044	0.05	0.9070	4.7826
21	SECCHNLL	5-SC	Intercept	55.3706	13.8650	8	3.99	0.0040	0.05	23.3980	87.3432
22	SECCHNLL	5-SC	TIME	-0.6269	1.9233	186	-0.33	0.7448	0.05	-4.4212	3.1674
23	SECCHNLL	ALL	Intercept	57.9275	6.1448	8	9.43	<.0001	0.05	43.7576	72.0975
24	SECCHNLL	ALL	TIME	0.7892	0.8356	743	0.94	0.3452	0.05	-0.8512	2.4296
25	PRICHNAREA	1-NC	Intercept	4323.64	265.87	8	16.26	<.0001	0.05	3710.55	4936.73
26	PRICHNAREA	1-NC	TIME	0.5573	24.2206	149	0.02	0.9817	0.05	-47.3029	48.4175
27	PRICHNAREA	2-MC	Intercept	4317.83	278.23	8	15.52	<.0001	0.05	3676.23	4959.42
28	PRICHNAREA	2-MC	TIME	-0.1668	16.7643	131	-0.01	0.9921	0.05	-33.3306	32.9970
29	PRICHNAREA	3-MS	Intercept	3476.03	468.38	8	7.42	<.0001	0.05	2395.94	4556.13
30	PRICHNAREA	3-MS	TIME	15.7783	57.6630	137	0.27	0.7848	0.05	-98.2463	129.80
31	PRICHNAREA	4-UMP	Intercept	2861.36	247.05	8	11.58	<.0001	0.05	2291.66	3431.05
32	PRICHNAREA	4-UMP	TIME	20.9481	21.8504	134	0.96	0.3394	0.05	-22.2683	64.1645
33	PRICHNAREA	5-SC	Intercept	2384.23	194.36	8	12.27	<.0001	0.05	1936.05	2832.42
34	PRICHNAREA	5-SC	TIME	2.3650	9.5031	198	0.25	0.8037	0.05	-16.3753	21.1052
35	PRICHNAREA	ALL	Intercept	3513.69	125.34	8	28.03	<.0001	0.05	3224.65	3802.73
36	PRICHNAREA	ALL	TIME	6.4961	10.9368	785	0.59	0.5527	0.05	-14.9728	27.9650
37	SECCHNAREA	1-NC	Intercept	284.23	55.3438	8	5.14	0.0009	0.05	156.60	411.85
38	SECCHNAREA	1-NC	TIME	-2.1523	6.9321	139	-0.31	0.7567	0.05	-15.8582	11.5536
39	SECCHNAREA	2-MC	Intercept	106.52	32.7626	8	3.25	0.0117	0.05	30.9731	182.07
40	SECCHNAREA	2-MC	TIME	8.9459	3.2116	129	2.79	0.0062	0.05	2.5917	15.3002
41	SECCHNAREA	3-MS	Intercept	106.10	24.0092	8	4.42	0.0022	0.05	50.7343	161.46
42	SECCHNAREA	3-MS	TIME	4.8999	2.9936	134	1.64	0.1040	0.05	-1.0209	10.8206

43	SECCHNAREA	4-UMP	Intercept	96.3408	32.1553	8	3.00	0.0172	0.05	22.1906	170.49
44	SECCHNAREA	4-UMP	TIME	5.8747	3.9300	119	1.49	0.1376	0.05	-1.9070	13.6565
45	SECCHNAREA	5-SC	Intercept	220.72	70.7024	8	3.12	0.0142	0.05	57.6793	383.76
46	SECCHNAREA	5-SC	TIME	-10.2274	9.5445	186	-1.07	0.2853	0.05	-29.0569	8.6021
47	SECCHNAREA	ALL	Intercept	172.55	30.0367	8	5.74	0.0004	0.05	103.29	241.82
48	SECCHNAREA	ALL	TIME	0.1326	4.1525	743	0.03	0.9745	0.05	-8.0194	8.2845
49	PCTSCCHNLA	1-NC	Intercept	5.6625	0.9030	8	6.27	0.0002	0.05	3.5800	7.7449
50	PCTSCCHNLA	1-NC	TIME	-0.1085	0.1314	139	-0.83	0.4102	0.05	-0.3683	0.1513
51	PCTSCCHNLA	2-MC	Intercept	5.1524	0.3088	8	16.69	<.0001	0.05	4.4404	5.8644

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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
52	PCTSCCHNLA	2-MC	TIME	-0.07363	0.001742	129	-42.27	<.0001	0.05	-0.07707	-0.07018
53	PCTSCCHNLA	3-MS	Intercept	3.5285	0.7060	8	5.00	0.0011	0.05	1.9006	5.1565
54	PCTSCCHNLA	3-MS	TIME	0.004274	0.09717	134	0.04	0.9650	0.05	-0.1879	0.1965
55	PCTSCCHNLA	4-UMP	Intercept	2.6012	0.3588	8	7.25	<.0001	0.05	1.7737	3.4287
56	PCTSCCHNLA	4-UMP	TIME	0.1367	0.04358	119	3.14	0.0022	0.05	0.05042	0.2230
57	PCTSCCHNLA	5-SC	Intercept	4.4006	1.0137	8	4.34	0.0025	0.05	2.0630	6.7382
58	PCTSCCHNLA	5-SC	TIME	-0.01574	0.1419	186	-0.11	0.9118	0.05	-0.2957	0.2642
59	PCTSCCHNLA	ALL	Intercept	3.8142	0.3368	8	11.32	<.0001	0.05	3.0374	4.5910
60	PCTSCCHNLA	ALL	TIME	0.02498	0.04684	743	0.53	0.5940	0.05	-0.06697	0.1169
61	GRADIENT	1-NC	Intercept	4.3268	0.3330	8	12.99	<.0001	0.05	3.5590	5.0947
62	GRADIENT	1-NC	TIME	-0.03550	0.03704	149	-0.96	0.3393	0.05	-0.1087	0.03768
63	GRADIENT	2-MC	Intercept	4.2688	0.2916	8	14.64	<.0001	0.05	3.5963	4.9412
64	GRADIENT	2-MC	TIME	-0.02969	0.02434	131	-1.22	0.2248	0.05	-0.07784	0.01846
65	GRADIENT	3-MS	Intercept	5.0093	0.5286	8	9.48	<.0001	0.05	3.7902	6.2283
66	GRADIENT	3-MS	TIME	-0.03186	0.05944	137	-0.54	0.5929	0.05	-0.1494	0.08568
67	GRADIENT	4-UMP	Intercept	6.4380	0.6391	8	10.07	<.0001	0.05	4.9643	7.9117
68	GRADIENT	4-UMP	TIME	-0.09108	0.08181	134	-1.11	0.2676	0.05	-0.2529	0.07072
69	GRADIENT	5-SC	Intercept	8.7836	0.5647	8	15.55	<.0001	0.05	7.4813	10.0859
70	GRADIENT	5-SC	TIME	-0.1027	0.05194	198	-1.98	0.0494	0.05	-0.2051	-0.00028
71	GRADIENT	ALL	Intercept	5.7023	0.2240	8	25.46	<.0001	0.05	5.1857	6.2189
72	GRADIENT	ALL	TIME	-0.05987	0.02489	785	-2.41	0.0164	0.05	-0.1087	-0.01101
73	VWIRCH	1-NC	Intercept	7.7499	1.2401	8	6.25	0.0002	0.05	4.8902	10.6095
74	VWIRCH	1-NC	TIME	-0.2687	0.1751	149	-1.53	0.1271	0.05	-0.6147	0.07740
75	VWIRCH	2-MC	Intercept	3.8836	0.4769	8	8.14	<.0001	0.05	2.7838	4.9833
76	VWIRCH	2-MC	TIME	0.3243	0.06748	131	4.81	<.0001	0.05	0.1908	0.4578
77	VWIRCH	3-MS	Intercept	4.7275	0.5529	8	8.55	<.0001	0.05	3.4525	6.0025
78	VWIRCH	3-MS	TIME	0.1384	0.06189	137	2.24	0.0269	0.05	0.01604	0.2608
79	VWIRCH	4-UMP	Intercept	4.3823	1.3735	8	3.19	0.0128	0.05	1.2150	7.5496
80	VWIRCH	4-UMP	TIME	0.3924	0.1871	134	2.10	0.0379	0.05	0.02229	0.7625
81	VWIRCH	5-SC	Intercept	4.4118	1.3303	8	3.32	0.0106	0.05	1.3442	7.4795
82	VWIRCH	5-SC	TIME	0.3199	0.1803	198	1.77	0.0776	0.05	-0.03569	0.6755
83	VWIRCH	ALL	Intercept	5.0114	0.4950	8	10.12	<.0001	0.05	3.8700	6.1528
84	VWIRCH	ALL	TIME	0.1842	0.06854	785	2.69	0.0073	0.05	0.04970	0.3188
85	WIDTH	1-NC	Intercept	4.7115	0.2233	8	21.10	<.0001	0.05	4.1966	5.2264
86	WIDTH	1-NC	TIME	-0.02525	0.02174	149	-1.16	0.2473	0.05	-0.06821	0.01771
87	WIDTH	2-MC	Intercept	4.4533	0.2427	8	18.35	<.0001	0.05	3.8937	5.0129
88	WIDTH	2-MC	TIME	-0.06625	0.01488	131	-4.45	<.0001	0.05	-0.09569	-0.03681
89	WIDTH	3-MS	Intercept	3.9164	0.3053	8	12.83	<.0001	0.05	3.2123	4.6205
90	WIDTH	3-MS	TIME	-0.05042	0.03483	137	-1.45	0.1500	0.05	-0.1193	0.01845
91	WIDTH	4-UMP	Intercept	3.2307	0.2023	8	15.97	<.0001	0.05	2.7643	3.6971
92	WIDTH	4-UMP	TIME	0.007767	0.02140	134	0.36	0.7172	0.05	-0.03456	0.05009
93	WIDTH	5-SC	Intercept	3.3355	0.1637	8	20.38	<.0001	0.05	2.9581	3.7129

94	WIDTH	5-SC	TIME	-0.00469	0.006331	198	-0.74	0.4596	0.05	-0.01717	0.007794
95	WIDTH	ALL	Intercept	3.9328	0.09603	8	40.95	<.0001	0.05	3.7114	4.1543
96	WIDTH	ALL	TIME	-0.01889	0.007372	785	-2.56	0.0106	0.05	-0.03336	-0.00442
97	ACW	1-NC	Intercept	9.6940	0.8488	8	11.42	<.0001	0.05	7.7366	11.6513
98	ACW	1-NC	TIME	-0.1001	0.1161	149	-0.86	0.3898	0.05	-0.3294	0.1292
99	ACW	2-MC	Intercept	8.0871	0.4846	8	16.69	<.0001	0.05	6.9695	9.2047
100	ACW	2-MC	TIME	-0.08911	0.04926	131	-1.81	0.0728	0.05	-0.1866	0.008341
101	ACW	3-MS	Intercept	7.8733	0.7820	8	10.07	<.0001	0.05	6.0700	9.6766
102	ACW	3-MS	TIME	0.03141	0.08638	137	0.36	0.7167	0.05	-0.1394	0.2022

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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
103	ACW	4-UMP	Intercept	6.1157	0.3789	8	16.14	<.0001	0.05	5.2420	6.9894
104	ACW	4-UMP	TIME	0.02183	0.04046	134	0.54	0.5904	0.05	-0.05819	0.1018
105	ACW	5-SC	Intercept	7.4017	0.4994	8	14.82	<.0001	0.05	6.2501	8.5532
106	ACW	5-SC	TIME	-0.1484	0.05337	198	-2.78	0.0060	0.05	-0.2536	-0.04314
107	ACW	ALL	Intercept	7.9188	0.2875	8	27.54	<.0001	0.05	7.2558	8.5817
108	ACW	ALL	TIME	-0.06430	0.03465	785	-1.86	0.0638	0.05	-0.1323	0.003712
109	ACH	1-NC	Intercept	0.6611	0.06434	8	10.28	<.0001	0.05	0.5127	0.8095
110	ACH	1-NC	TIME	-0.02140	0.009222	149	-2.32	0.0217	0.05	-0.03962	-0.00318
111	ACH	2-MC	Intercept	0.5142	0.03466	8	14.84	<.0001	0.05	0.4343	0.5941
112	ACH	2-MC	TIME	-0.00565	0.004963	131	-1.14	0.2573	0.05	-0.01546	0.004171
113	ACH	3-MS	Intercept	0.5963	0.05002	8	11.92	<.0001	0.05	0.4809	0.7116
114	ACH	3-MS	TIME	-0.00529	0.007118	137	-0.74	0.4583	0.05	-0.01937	0.008782
115	ACH	4-UMP	Intercept	0.5104	0.04177	8	12.22	<.0001	0.05	0.4141	0.6068
116	ACH	4-UMP	TIME	-0.00524	0.006071	134	-0.86	0.3896	0.05	-0.01725	0.006768
117	ACH	5-SC	Intercept	0.6711	0.02313	8	29.01	<.0001	0.05	0.6177	0.7244
118	ACH	5-SC	TIME	-0.02057	0.002808	198	-7.33	<.0001	0.05	-0.02611	-0.01504
119	ACH	ALL	Intercept	0.5979	0.01771	8	33.75	<.0001	0.05	0.5571	0.6388
120	ACH	ALL	TIME	-0.01297	0.002490	785	-5.21	<.0001	0.05	-0.01785	-0.00808
121	NOPPOOLS	1-NC	Intercept	16.4061	2.0955	8	7.83	<.0001	0.05	11.5739	21.2384
122	NOPPOOLS	1-NC	TIME	-0.1154	0.3068	149	-0.38	0.7073	0.05	-0.7217	0.4908
123	NOPPOOLS	2-MC	Intercept	17.9946	1.1181	8	16.09	<.0001	0.05	15.4162	20.5729
124	NOPPOOLS	2-MC	TIME	0.2464	0.1445	131	1.71	0.0905	0.05	-0.03940	0.5323
125	NOPPOOLS	3-MS	Intercept	13.4536	1.8399	8	7.31	<.0001	0.05	9.2107	17.6965
126	NOPPOOLS	3-MS	TIME	0.4377	0.2636	137	1.66	0.0992	0.05	-0.08366	0.9590
127	NOPPOOLS	4-UMP	Intercept	12.2051	1.8319	8	6.66	0.0002	0.05	7.9809	16.4294
128	NOPPOOLS	4-UMP	TIME	0.3741	0.2604	134	1.44	0.1530	0.05	-0.1408	0.8891
129	NOPPOOLS	5-SC	Intercept	11.7552	1.3933	8	8.44	<.0001	0.05	8.5422	14.9682
130	NOPPOOLS	5-SC	TIME	-0.1589	0.1988	198	-0.80	0.4251	0.05	-0.5510	0.2332
131	NOPPOOLS	ALL	Intercept	14.7063	0.9654	8	15.23	<.0001	0.05	12.4801	16.9324
132	NOPPOOLS	ALL	TIME	0.1233	0.1390	785	0.89	0.3756	0.05	-0.1497	0.3962
133	PCTPOOLS	1-NC	Intercept	32.9525	3.9749	8	8.29	<.0001	0.05	23.7864	42.1186
134	PCTPOOLS	1-NC	TIME	0.3089	0.5633	149	0.55	0.5843	0.05	-0.8043	1.4220
135	PCTPOOLS	2-MC	Intercept	31.4285	1.7047	8	18.44	<.0001	0.05	27.4974	35.3596
136	PCTPOOLS	2-MC	TIME	1.0562	0.1594	131	6.63	<.0001	0.05	0.7408	1.3716
137	PCTPOOLS	3-MS	Intercept	37.2031	3.5770	8	10.40	<.0001	0.05	28.9544	45.4518
138	PCTPOOLS	3-MS	TIME	0.5875	0.4913	137	1.20	0.2338	0.05	-0.3839	1.5589
139	PCTPOOLS	4-UMP	Intercept	26.1473	2.8811	8	9.08	<.0001	0.05	19.5035	32.7910
140	PCTPOOLS	4-UMP	TIME	0.1062	0.3778	134	0.28	0.7790	0.05	-0.6410	0.8534
141	PCTPOOLS	5-SC	Intercept	16.9950	1.5897	8	10.69	<.0001	0.05	13.3292	20.6608
142	PCTPOOLS	5-SC	TIME	0.1325	0.1889	198	0.70	0.4839	0.05	-0.2400	0.5050
143	PCTPOOLS	ALL	Intercept	29.4676	1.8037	8	16.34	<.0001	0.05	25.3081	33.6270
144	PCTPOOLS	ALL	TIME	0.3917	0.2515	785	1.56	0.1197	0.05	-0.1019	0.8853

145	PCTSCP00L	1-NC	Intercept	23.0188	3.7683	8	6.11	0.0003	0.05	14.3291	31.7085
146	PCTSCP00L	1-NC	TIME	0.4129	0.5410	149	0.76	0.4466	0.05	-0.6561	1.4819
147	PCTSCP00L	2-MC	Intercept	26.6286	2.6005	8	10.24	<.0001	0.05	20.6319	32.6253
148	PCTSCP00L	2-MC	TIME	0.4390	0.3528	131	1.24	0.2156	0.05	-0.2590	1.1370
149	PCTSCP00L	3-MS	Intercept	30.0175	3.8774	8	7.74	<.0001	0.05	21.0763	38.9587
150	PCTSCP00L	3-MS	TIME	0.6526	0.5457	137	1.20	0.2338	0.05	-0.4264	1.7316
151	PCTSCP00L	4-UMP	Intercept	21.7591	2.9999	8	7.25	<.0001	0.05	14.8414	28.6768
152	PCTSCP00L	4-UMP	TIME	0.3225	0.4097	134	0.79	0.4325	0.05	-0.4877	1.1328
153	PCTSCP00L	5-SC	Intercept	16.2448	1.7199	8	9.45	<.0001	0.05	12.2787	20.2109

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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
154	PCTSCP00L	5-SC	TIME	-0.02917	0.2199	198	-0.13	0.8946	0.05	-0.4628	0.4044
155	PCTSCP00L	ALL	Intercept	23.9079	1.7802	8	13.43	<.0001	0.05	19.8027	28.0131
156	PCTSCP00L	ALL	TIME	0.3134	0.2527	785	1.24	0.2153	0.05	-0.1827	0.8095
157	PCTSWP00L	1-NC	Intercept	9.6098	2.2698	8	4.23	0.0029	0.05	4.3755	14.8440
158	PCTSWP00L	1-NC	TIME	-0.04491	0.3103	149	-0.14	0.8851	0.05	-0.6581	0.5682
159	PCTSWP00L	2-MC	Intercept	4.9349	1.5392	8	3.21	0.0125	0.05	1.3854	8.4844
160	PCTSWP00L	2-MC	TIME	0.6394	0.1935	131	3.30	0.0012	0.05	0.2565	1.0222
161	PCTSWP00L	3-MS	Intercept	7.2016	1.3323	8	5.41	0.0006	0.05	4.1294	10.2739
162	PCTSWP00L	3-MS	TIME	-0.05750	0.1548	137	-0.37	0.7109	0.05	-0.3636	0.2486
163	PCTSWP00L	4-UMP	Intercept	3.7018	0.8981	8	4.12	0.0033	0.05	1.6308	5.7729
164	PCTSWP00L	4-UMP	TIME	-0.1006	0.1063	134	-0.95	0.3458	0.05	-0.3109	0.1097
165	PCTSWP00L	5-SC	Intercept	0.9248	0.4612	8	2.01	0.0799	0.05	-0.1388	1.9885
166	PCTSWP00L	5-SC	TIME	0.1444	0.05857	198	2.46	0.0146	0.05	0.02886	0.2599
167	PCTSWP00L	ALL	Intercept	5.2055	0.5244	8	9.93	<.0001	0.05	3.9963	6.4147
168	PCTSWP00L	ALL	TIME	0.1403	0.05801	785	2.42	0.0158	0.05	0.02643	0.2542
169	SCRPOOLD	1-NC	Intercept	0.6426	0.04696	8	13.68	<.0001	0.05	0.5343	0.7509
170	SCRPOOLD	1-NC	TIME	0.002234	0.006557	138	0.34	0.7339	0.05	-0.01073	0.01520
171	SCRPOOLD	2-MC	Intercept	0.5976	0.04460	8	13.40	<.0001	0.05	0.4948	0.7005
172	SCRPOOLD	2-MC	TIME	-0.00156	0.006314	130	-0.25	0.8046	0.05	-0.01406	0.01093
173	SCRPOOLD	3-MS	Intercept	0.5491	0.09836	8	5.58	0.0005	0.05	0.3222	0.7759
174	SCRPOOLD	3-MS	TIME	0.01023	0.01422	131	0.72	0.4729	0.05	-0.01789	0.03836
175	SCRPOOLD	4-UMP	Intercept	0.5707	0.03345	8	17.06	<.0001	0.05	0.4935	0.6478
176	SCRPOOLD	4-UMP	TIME	-0.00413	0.004355	130	-0.95	0.3451	0.05	-0.01274	0.004489
177	SCRPOOLD	5-SC	Intercept	0.6268	0.03833	8	16.35	<.0001	0.05	0.5384	0.7152
178	SCRPOOLD	5-SC	TIME	-0.00430	0.004702	182	-0.92	0.3613	0.05	-0.01358	0.004974
179	SCRPOOLD	ALL	Intercept	0.6041	0.02763	8	21.86	<.0001	0.05	0.5404	0.6678
180	SCRPOOLD	ALL	TIME	-0.00072	0.003924	747	-0.18	0.8552	0.05	-0.00842	0.006987
181	RIFFLEDEP	1-NC	Intercept	0.2004	0.02559	8	7.83	<.0001	0.05	0.1414	0.2594
182	RIFFLEDEP	1-NC	TIME	-0.00780	0.003753	127	-2.08	0.0396	0.05	-0.01523	-0.00038
183	RIFFLEDEP	2-MC	Intercept	0.1325	0.007873	8	16.83	<.0001	0.05	0.1144	0.1507
184	RIFFLEDEP	2-MC	TIME	0.000683	0.001025	121	0.67	0.5067	0.05	-0.00135	0.002713
185	RIFFLEDEP	3-MS	Intercept	0.1157	0.02546	8	4.54	0.0019	0.05	0.05695	0.1744
186	RIFFLEDEP	3-MS	TIME	0.000036	0.003712	116	0.01	0.9924	0.05	-0.00732	0.007387
187	RIFFLEDEP	4-UMP	Intercept	0.1437	0.01985	8	7.24	<.0001	0.05	0.09796	0.1895
188	RIFFLEDEP	4-UMP	TIME	-0.00288	0.002846	111	-1.01	0.3135	0.05	-0.00852	0.002758
189	RIFFLEDEP	5-SC	Intercept	0.1635	0.01370	8	11.94	<.0001	0.05	0.1319	0.1951
190	RIFFLEDEP	5-SC	TIME	-0.00147	0.001826	152	-0.80	0.4229	0.05	-0.00508	0.002141
191	RIFFLEDEP	ALL	Intercept	0.1525	0.01387	8	10.99	<.0001	0.05	0.1205	0.1844
192	RIFFLEDEP	ALL	TIME	-0.00255	0.002026	663	-1.26	0.2087	0.05	-0.00653	0.001429
193	LRGBLDR	1-NC	Intercept	146.18	112.71	8	1.30	0.2308	0.05	-113.72	406.08
194	LRGBLDR	1-NC	TIME	17.5571	16.5428	148	1.06	0.2903	0.05	-15.1335	50.2477
195	LRGBLDR	2-MC	Intercept	213.70	23.9075	8	8.94	<.0001	0.05	158.57	268.83

196	LRGBLDR	2-MC	TIME	5.2465	1.7304	130	3.03	0.0029	0.05	1.8232	8.6698
197	LRGBLDR	3-MS	Intercept	77.7219	65.4019	8	1.19	0.2688	0.05	-73.0952	228.54
198	LRGBLDR	3-MS	TIME	33.7211	9.2380	135	3.65	0.0004	0.05	15.4512	51.9910
199	LRGBLDR	4-UMP	Intercept	251.13	31.0611	8	8.08	<.0001	0.05	179.50	322.75
200	LRGBLDR	4-UMP	TIME	-1.0143	4.0997	132	-0.25	0.8050	0.05	-9.1238	7.0953
201	LRGBLDR	5-SC	Intercept	457.43	153.25	8	2.98	0.0175	0.05	104.04	810.83
202	LRGBLDR	5-SC	TIME	-14.7549	25.7340	196	-0.57	0.5671	0.05	-65.5059	35.9961
203	LRGBLDR	ALL	Intercept	153.51	8.5364	8	17.98	<.0001	0.05	133.82	173.19
204	LRGBLDR	ALL	TIME	16.4845	2.7920	777	5.90	<.0001	0.05	11.0038	21.9652

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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
205	PCTSNDR	1-NC	Intercept	35.7314	3.8824	8	9.20	<.0001	0.05	26.7786	44.6842
206	PCTSNDR	1-NC	TIME	-0.9703	0.5334	149	-1.82	0.0709	0.05	-2.0243	0.08368
207	PCTSNDR	2-MC	Intercept	30.9909	3.3113	8	9.36	<.0001	0.05	23.3550	38.6269
208	PCTSNDR	2-MC	TIME	0.03492	0.4627	131	0.08	0.9399	0.05	-0.8803	0.9502
209	PCTSNDR	3-MS	Intercept	28.2929	2.5294	8	11.19	<.0001	0.05	22.4602	34.1257
210	PCTSNDR	3-MS	TIME	1.1336	0.2921	137	3.88	0.0002	0.05	0.5560	1.7113
211	PCTSNDR	4-UMP	Intercept	26.9755	2.4191	8	11.15	<.0001	0.05	21.3971	32.5539
212	PCTSNDR	4-UMP	TIME	-0.04478	0.3124	134	-0.14	0.8862	0.05	-0.6628	0.5732
213	PCTSNDR	5-SC	Intercept	21.9717	2.4512	8	8.96	<.0001	0.05	16.3193	27.6242
214	PCTSNDR	5-SC	TIME	0.2022	0.3219	198	0.63	0.5307	0.05	-0.4325	0.8369
215	PCTSNDR	ALL	Intercept	29.1322	1.0052	8	28.98	<.0001	0.05	26.8143	31.4501
216	PCTSNDR	ALL	TIME	0.03456	0.1215	785	0.28	0.7762	0.05	-0.2040	0.2732
217	PCTGRAVEL	1-NC	Intercept	24.2171	2.4559	8	9.86	<.0001	0.05	18.5538	29.8805
218	PCTGRAVEL	1-NC	TIME	0.9377	0.3522	149	2.66	0.0086	0.05	0.2417	1.6337
219	PCTGRAVEL	2-MC	Intercept	33.3520	2.2145	8	15.06	<.0001	0.05	28.2454	38.4586
220	PCTGRAVEL	2-MC	TIME	-0.2556	0.3142	131	-0.81	0.4174	0.05	-0.8772	0.3660
221	PCTGRAVEL	3-MS	Intercept	31.0965	2.9126	8	10.68	<.0001	0.05	24.3801	37.8129
222	PCTGRAVEL	3-MS	TIME	-0.4870	0.4149	137	-1.17	0.2426	0.05	-1.3075	0.3335
223	PCTGRAVEL	4-UMP	Intercept	26.8434	2.9149	8	9.21	<.0001	0.05	20.1217	33.5652
224	PCTGRAVEL	4-UMP	TIME	0.02313	0.4179	134	0.06	0.9559	0.05	-0.8033	0.8496
225	PCTGRAVEL	5-SC	Intercept	26.9622	1.3587	8	19.84	<.0001	0.05	23.8291	30.0954
226	PCTGRAVEL	5-SC	TIME	-0.05444	0.1817	198	-0.30	0.7648	0.05	-0.4128	0.3039
227	PCTGRAVEL	ALL	Intercept	28.3565	1.0229	8	27.72	<.0001	0.05	25.9977	30.7152
228	PCTGRAVEL	ALL	TIME	0.05271	0.1448	785	0.36	0.7159	0.05	-0.2315	0.3369
229	PCTBEDROCK	1-NC	Intercept	8.0027	0.5770	8	13.87	<.0001	0.05	6.6721	9.3334
230	PCTBEDROCK	1-NC	TIME	0.006303	0.04232	149	0.15	0.8818	0.05	-0.07732	0.08993
231	PCTBEDROCK	2-MC	Intercept	9.9688	1.1006	8	9.06	<.0001	0.05	7.4309	12.5067
232	PCTBEDROCK	2-MC	TIME	0.04659	0.1140	131	0.41	0.6834	0.05	-0.1789	0.2721
233	PCTBEDROCK	3-MS	Intercept	10.2820	0.8588	8	11.97	<.0001	0.05	8.3015	12.2624
234	PCTBEDROCK	3-MS	TIME	-0.05944	0.04914	137	-1.21	0.2285	0.05	-0.1566	0.03773
235	PCTBEDROCK	4-UMP	Intercept	13.5165	1.4674	8	9.21	<.0001	0.05	10.1326	16.9004
236	PCTBEDROCK	4-UMP	TIME	0.09662	0.1736	134	0.56	0.5788	0.05	-0.2468	0.4400
237	PCTBEDROCK	5-SC	Intercept	8.3550	1.2127	8	6.89	0.0001	0.05	5.5585	11.1515
238	PCTBEDROCK	5-SC	TIME	0.07892	0.1486	198	0.53	0.5959	0.05	-0.2141	0.3719
239	PCTBEDROCK	ALL	Intercept	9.9826	0.4916	8	20.31	<.0001	0.05	8.8490	11.1163
240	PCTBEDROCK	ALL	TIME	0.04426	0.05365	785	0.83	0.4096	0.05	-0.06106	0.1496
241	POOL1P_KM	1-NC	Intercept	2.7604	0.2931	8	9.42	<.0001	0.05	2.0846	3.4362
242	POOL1P_KM	1-NC	TIME	-0.08915	0.04046	149	-2.20	0.0291	0.05	-0.1691	-0.00921
243	POOL1P_KM	2-MC	Intercept	1.5987	0.2146	8	7.45	<.0001	0.05	1.1038	2.0936
244	POOL1P_KM	2-MC	TIME	0.01649	0.02614	131	0.63	0.5292	0.05	-0.03522	0.06821
245	POOL1P_KM	3-MS	Intercept	2.5006	0.2116	8	11.82	<.0001	0.05	2.0126	2.9886
246	POOL1P_KM	3-MS	TIME	-0.01314	0.01675	137	-0.78	0.4340	0.05	-0.04626	0.01998

247	POOL1P_KM	4-UMP	Intercept	1.5750	0.2250	8	7.00	0.0001	0.05	1.0562	2.0937
248	POOL1P_KM	4-UMP	TIME	-0.03741	0.02669	134	-1.40	0.1633	0.05	-0.09020	0.01538
249	POOL1P_KM	5-SC	Intercept	2.2262	0.1976	8	11.26	<.0001	0.05	1.7704	2.6819
250	POOL1P_KM	5-SC	TIME	-0.05308	0.01252	198	-4.24	<.0001	0.05	-0.07777	-0.02840
251	POOL1P_KM	ALL	Intercept	2.1443	0.1119	8	19.16	<.0001	0.05	1.8863	2.4023
252	POOL1P_KM	ALL	TIME	-0.03959	0.01333	785	-2.97	0.0031	0.05	-0.06576	-0.01342
253	CWPOOL	1-NC	Intercept	10.5878	4.4033	8	2.40	0.0429	0.05	0.4339	20.7417
254	CWPOOL	1-NC	TIME	0.5681	0.6483	145	0.88	0.3824	0.05	-0.7133	1.8495
255	CWPOOL	2-MC	Intercept	15.0784	1.6978	8	8.88	<.0001	0.05	11.1633	18.9936

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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
256	CWPOOL	2-MC	TIME	0.009355	0.2132	131	0.04	0.9651	0.05	-0.4124	0.4311
257	CWPOOL	3-MS	Intercept	20.9360	1.5014	8	13.94	<.0001	0.05	17.4737	24.3983
258	CWPOOL	3-MS	TIME	-0.6423	0.1443	135	-4.45	<.0001	0.05	-0.9276	-0.3570
259	CWPOOL	4-UMP	Intercept	17.2326	6.2412	8	2.76	0.0246	0.05	2.8402	31.6249
260	CWPOOL	4-UMP	TIME	0.6868	0.8809	132	0.78	0.4370	0.05	-1.0556	2.4292
261	CWPOOL	5-SC	Intercept	19.8430	5.1725	8	3.84	0.0050	0.05	7.9151	31.7709
262	CWPOOL	5-SC	TIME	1.3865	0.6057	185	2.29	0.0232	0.05	0.1916	2.5814
263	CWPOOL	ALL	Intercept	16.1283	2.0549	8	7.85	<.0001	0.05	11.3897	20.8668
264	CWPOOL	ALL	TIME	0.4440	0.2846	764	1.56	0.1192	0.05	-0.1148	1.0027
265	PCTSHADE	1-NC	Intercept	75.7845	4.2751	8	17.73	<.0001	0.05	65.9261	85.6428
266	PCTSHADE	1-NC	TIME	0.5073	0.6238	149	0.81	0.4173	0.05	-0.7253	1.7399
267	PCTSHADE	2-MC	Intercept	80.8270	1.7033	8	47.45	<.0001	0.05	76.8992	84.7548
268	PCTSHADE	2-MC	TIME	0.1439	0.2391	131	0.60	0.5482	0.05	-0.3290	0.6168
269	PCTSHADE	3-MS	Intercept	81.6737	2.4909	8	32.79	<.0001	0.05	75.9296	87.4178
270	PCTSHADE	3-MS	TIME	-0.1400	0.3378	137	-0.41	0.6792	0.05	-0.8081	0.5280
271	PCTSHADE	4-UMP	Intercept	76.4608	3.1727	8	24.10	<.0001	0.05	69.1444	83.7771
272	PCTSHADE	4-UMP	TIME	0.6417	0.4591	134	1.40	0.1645	0.05	-0.2663	1.5497
273	PCTSHADE	5-SC	Intercept	81.0902	2.6887	8	30.16	<.0001	0.05	74.8902	87.2903
274	PCTSHADE	5-SC	TIME	-0.4620	0.3651	198	-1.27	0.2072	0.05	-1.1820	0.2580
275	PCTSHADE	ALL	Intercept	79.2811	1.6528	8	47.97	<.0001	0.05	75.4697	83.0924
276	PCTSHADE	ALL	TIME	0.1245	0.2384	785	0.52	0.6018	0.05	-0.3436	0.5926
277	PCTEROSION	1-NC	Intercept	25.6416	6.6714	8	3.84	0.0049	0.05	10.2574	41.0258
278	PCTEROSION	1-NC	TIME	-1.9200	0.9853	147	-1.95	0.0533	0.05	-3.8672	0.02725
279	PCTEROSION	2-MC	Intercept	5.0549	3.4115	8	1.48	0.1767	0.05	-2.8119	12.9217
280	PCTEROSION	2-MC	TIME	0.6457	0.4983	131	1.30	0.1974	0.05	-0.3401	1.6316
281	PCTEROSION	3-MS	Intercept	7.7205	2.0310	8	3.80	0.0052	0.05	3.0372	12.4039
282	PCTEROSION	3-MS	TIME	0.02219	0.2923	131	0.08	0.9396	0.05	-0.5560	0.6003
283	PCTEROSION	4-UMP	Intercept	9.2584	1.9717	8	4.70	0.0016	0.05	4.7117	13.8051
284	PCTEROSION	4-UMP	TIME	0.2849	0.2750	130	1.04	0.3021	0.05	-0.2592	0.8291
285	PCTEROSION	5-SC	Intercept	10.5441	3.4832	8	3.03	0.0164	0.05	2.5118	18.5765
286	PCTEROSION	5-SC	TIME	-0.3413	0.5093	195	-0.67	0.5035	0.05	-1.3457	0.6631
287	PCTEROSION	ALL	Intercept	11.9525	1.8180	8	6.57	0.0002	0.05	7.7601	16.1449
288	PCTEROSION	ALL	TIME	-0.3035	0.2666	770	-1.14	0.2553	0.05	-0.8268	0.2198
289	PCTUNDERC	1-NC	Intercept	9.2798	1.0067	8	9.22	<.0001	0.05	6.9583	11.6012
290	PCTUNDERC	1-NC	TIME	-0.6104	0.1478	148	-4.13	<.0001	0.05	-0.9025	-0.3182
291	PCTUNDERC	2-MC	Intercept	6.2329	1.8109	8	3.44	0.0088	0.05	2.0569	10.4090
292	PCTUNDERC	2-MC	TIME	0.07750	0.2639	129	0.29	0.7695	0.05	-0.4447	0.5997
293	PCTUNDERC	3-MS	Intercept	2.9857	1.3264	8	2.25	0.0545	0.05	-0.07309	6.0444
294	PCTUNDERC	3-MS	TIME	0.4727	0.1927	130	2.45	0.0155	0.05	0.09144	0.8540
295	PCTUNDERC	4-UMP	Intercept	6.3811	1.0007	8	6.38	0.0002	0.05	4.0734	8.6888
296	PCTUNDERC	4-UMP	TIME	-0.1042	0.1378	130	-0.76	0.4510	0.05	-0.3767	0.1684
297	PCTUNDERC	5-SC	Intercept	5.2882	0.4340	8	12.19	<.0001	0.05	4.2875	6.2889

298	PCTUNDERC	5-SC	TIME	-0.3769	0.06505	192	-5.79	<.0001	0.05	-0.5052	-0.2486
299	PCTUNDERC	ALL	Intercept	6.1707	0.6559	8	9.41	<.0001	0.05	4.6582	7.6832
300	PCTUNDERC	ALL	TIME	-0.1257	0.09537	765	-1.32	0.1878	0.05	-0.3130	0.06148
301	LWDPIECE1	1-NC	Intercept	20.9229	2.5696	8	8.14	<.0001	0.05	14.9975	26.8483
302	LWDPIECE1	1-NC	TIME	-0.5238	0.3748	148	-1.40	0.1644	0.05	-1.2644	0.2169
303	LWDPIECE1	2-MC	Intercept	14.4576	0.5996	8	24.11	<.0001	0.05	13.0748	15.8403
304	LWDPIECE1	2-MC	TIME	-0.00553	0.05634	131	-0.10	0.9220	0.05	-0.1170	0.1059
305	LWDPIECE1	3-MS	Intercept	15.7634	2.0292	8	7.77	<.0001	0.05	11.0841	20.4427
306	LWDPIECE1	3-MS	TIME	0.08887	0.2782	136	0.32	0.7499	0.05	-0.4614	0.6391

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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
307	LWDPIECE1	4-UMP	Intercept	15.4327	1.0757	8	14.35	<.0001	0.05	12.9521	17.9133
308	LWDPIECE1	4-UMP	TIME	-0.2776	0.1405	133	-1.98	0.0503	0.05	-0.5555	0.000391
309	LWDPIECE1	5-SC	Intercept	11.8753	1.1432	8	10.39	<.0001	0.05	9.2390	14.5115
310	LWDPIECE1	5-SC	TIME	-0.2919	0.1552	196	-1.88	0.0615	0.05	-0.5979	0.01419
311	LWDPIECE1	ALL	Intercept	15.9430	0.9570	8	16.66	<.0001	0.05	13.7362	18.1498
312	LWDPIECE1	ALL	TIME	-0.2382	0.1365	780	-1.75	0.0814	0.05	-0.5062	0.02976
313	LWDVOL1	1-NC	Intercept	36.4288	6.1137	8	5.96	0.0003	0.05	22.3305	50.5271
314	LWDVOL1	1-NC	TIME	-1.8730	0.8983	148	-2.09	0.0388	0.05	-3.6482	-0.09786
315	LWDVOL1	2-MC	Intercept	23.4466	2.4623	8	9.52	<.0001	0.05	17.7686	29.1246
316	LWDVOL1	2-MC	TIME	-0.3138	0.3471	131	-0.90	0.3675	0.05	-1.0004	0.3728
317	LWDVOL1	3-MS	Intercept	30.8274	3.8603	8	7.99	<.0001	0.05	21.9255	39.7294
318	LWDVOL1	3-MS	TIME	-1.1970	0.5187	136	-2.31	0.0225	0.05	-2.2229	-0.1712
319	LWDVOL1	4-UMP	Intercept	24.7594	3.5971	8	6.88	0.0001	0.05	16.4646	33.0543
320	LWDVOL1	4-UMP	TIME	-0.6353	0.5069	133	-1.25	0.2123	0.05	-1.6379	0.3674
321	LWDVOL1	5-SC	Intercept	19.3319	2.0650	8	9.36	<.0001	0.05	14.5700	24.0937
322	LWDVOL1	5-SC	TIME	-0.6784	0.2644	196	-2.57	0.0110	0.05	-1.1998	-0.1570
323	LWDVOL1	ALL	Intercept	27.2109	1.2436	8	21.88	<.0001	0.05	24.3433	30.0786
324	LWDVOL1	ALL	TIME	-0.9688	0.1694	780	-5.72	<.0001	0.05	-1.3012	-0.6363
325	KEYLWD1	1-NC	Intercept	1.5635	0.2967	8	5.27	0.0008	0.05	0.8794	2.2476
326	KEYLWD1	1-NC	TIME	-0.1138	0.04299	148	-2.65	0.0090	0.05	-0.1988	-0.02885
327	KEYLWD1	2-MC	Intercept	0.9619	0.1318	8	7.30	<.0001	0.05	0.6580	1.2657
328	KEYLWD1	2-MC	TIME	-0.02092	0.01876	131	-1.12	0.2668	0.05	-0.05804	0.01619
329	KEYLWD1	3-MS	Intercept	1.1122	0.2099	8	5.30	0.0007	0.05	0.6282	1.5962
330	KEYLWD1	3-MS	TIME	-0.05705	0.02967	136	-1.92	0.0566	0.05	-0.1157	0.001628
331	KEYLWD1	4-UMP	Intercept	1.1038	0.2410	8	4.58	0.0018	0.05	0.5480	1.6596
332	KEYLWD1	4-UMP	TIME	-0.03282	0.03455	133	-0.95	0.3438	0.05	-0.1012	0.03551
333	KEYLWD1	5-SC	Intercept	0.8357	0.09700	8	8.62	<.0001	0.05	0.6120	1.0593
334	KEYLWD1	5-SC	TIME	-0.03064	0.01144	196	-2.68	0.0080	0.05	-0.05319	-0.00808
335	KEYLWD1	ALL	Intercept	1.1223	0.05346	8	20.99	<.0001	0.05	0.9990	1.2455
336	KEYLWD1	ALL	TIME	-0.05112	0.006996	780	-7.31	<.0001	0.05	-0.06486	-0.03739
337	RESIDPD	1-NC	Intercept	0.5017	0.02373	8	21.14	<.0001	0.05	0.4470	0.5564
338	RESIDPD	1-NC	TIME	0.007083	0.003059	142	2.32	0.0220	0.05	0.001037	0.01313
339	RESIDPD	2-MC	Intercept	0.4872	0.02927	8	16.64	<.0001	0.05	0.4197	0.5547
340	RESIDPD	2-MC	TIME	0.001006	0.004006	131	0.25	0.8022	0.05	-0.00692	0.008931
341	RESIDPD	3-MS	Intercept	0.5257	0.04196	8	12.53	<.0001	0.05	0.4289	0.6225
342	RESIDPD	3-MS	TIME	0.006817	0.005728	134	1.19	0.2361	0.05	-0.00451	0.01815
343	RESIDPD	4-UMP	Intercept	0.4879	0.03321	8	14.69	<.0001	0.05	0.4113	0.5644
344	RESIDPD	4-UMP	TIME	-0.00374	0.004565	129	-0.82	0.4139	0.05	-0.01277	0.005290
345	RESIDPD	5-SC	Intercept	0.5059	0.03393	8	14.91	<.0001	0.05	0.4277	0.5842
346	RESIDPD	5-SC	TIME	-0.00159	0.004342	183	-0.37	0.7143	0.05	-0.01016	0.006975
347	RESIDPD	ALL	Intercept	0.5027	0.02127	8	23.63	<.0001	0.05	0.4537	0.5518
348	RESIDPD	ALL	TIME	0.001615	0.003010	755	0.54	0.5917	0.05	-0.00429	0.007524

349	LRGBLDR1	1-NC	Intercept	23.1821	13.6001	8	1.70	0.1267	0.05	-8.1797	54.5439
350	LRGBLDR1	1-NC	TIME	1.2127	1.9913	148	0.61	0.5435	0.05	-2.7223	5.1477
351	LRGBLDR1	2-MC	Intercept	25.8087	2.7221	8	9.48	<.0001	0.05	19.5315	32.0860
352	LRGBLDR1	2-MC	TIME	0.4216	0.1728	130	2.44	0.0161	0.05	0.07964	0.7636
353	LRGBLDR1	3-MS	Intercept	14.4466	9.0781	8	1.59	0.1502	0.05	-6.4875	35.3807
354	LRGBLDR1	3-MS	TIME	3.4813	1.2977	135	2.68	0.0082	0.05	0.9149	6.0478
355	LRGBLDR1	4-UMP	Intercept	37.1309	4.7122	8	7.88	<.0001	0.05	26.2646	47.9973
356	LRGBLDR1	4-UMP	TIME	-0.6321	0.6184	132	-1.02	0.3086	0.05	-1.8554	0.5911
357	LRGBLDR1	5-SC	Intercept	61.9449	16.3193	8	3.80	0.0053	0.05	24.3124	99.5774

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Obs	Variable	GCG	Effect	Estimate	StdErr	DF	tValue	Probt	Alpha	Lower	Upper
358	LRGBLDR1	5-SC	TIME	-2.1339	2.6264	196	-0.81	0.4175	0.05	-7.3134	3.0457
359	LRGBLDR1	ALL	Intercept	28.3441	2.2752	8	12.46	<.0001	0.05	23.0974	33.5908
360	LRGBLDR1	ALL	TIME	1.2524	0.4114	777	3.04	0.0024	0.05	0.4450	2.0599
361	CON_20PLUS	1-NC	Intercept	29.5542	5.0476	8	5.86	0.0004	0.05	17.9145	41.1939
362	CON_20PLUS	1-NC	TIME	0.5890	0.7027	149	0.84	0.4033	0.05	-0.7996	1.9776
363	CON_20PLUS	2-MC	Intercept	34.1901	4.6230	8	7.40	<.0001	0.05	23.5295	44.8508
364	CON_20PLUS	2-MC	TIME	0.9076	0.6299	131	1.44	0.1520	0.05	-0.3385	2.1538
365	CON_20PLUS	3-MS	Intercept	33.3310	5.7494	8	5.80	0.0004	0.05	20.0730	46.5890
366	CON_20PLUS	3-MS	TIME	-0.5740	0.7906	137	-0.73	0.4691	0.05	-2.1373	0.9894
367	CON_20PLUS	4-UMP	Intercept	73.9396	19.8430	8	3.73	0.0058	0.05	28.1816	119.70
368	CON_20PLUS	4-UMP	TIME	-1.0319	2.8639	134	-0.36	0.7192	0.05	-6.6961	4.6323
369	CON_20PLUS	5-SC	Intercept	67.8121	11.2158	8	6.05	0.0003	0.05	41.9483	93.6759
370	CON_20PLUS	5-SC	TIME	-0.9971	1.5520	198	-0.64	0.5213	0.05	-4.0578	2.0636
371	CON_20PLUS	ALL	Intercept	47.1748	6.7937	8	6.94	0.0001	0.05	31.5086	62.8410
372	CON_20PLUS	ALL	TIME	-0.1630	0.9833	785	-0.17	0.8684	0.05	-2.0931	1.7671
373	CON_36PLUS	1-NC	Intercept	6.4007	2.0932	8	3.06	0.0156	0.05	1.5737	11.2277
374	CON_36PLUS	1-NC	TIME	-0.09831	0.3035	149	-0.32	0.7465	0.05	-0.6981	0.5015
375	CON_36PLUS	2-MC	Intercept	8.1784	3.8553	8	2.12	0.0667	0.05	-0.7120	17.0688
376	CON_36PLUS	2-MC	TIME	0.3550	0.5635	131	0.63	0.5298	0.05	-0.7598	1.4699
377	CON_36PLUS	3-MS	Intercept	8.5030	2.0399	8	4.17	0.0031	0.05	3.7991	13.2070
378	CON_36PLUS	3-MS	TIME	0.07384	0.2586	137	0.29	0.7757	0.05	-0.4376	0.5853
379	CON_36PLUS	4-UMP	Intercept	23.2121	7.4608	8	3.11	0.0144	0.05	6.0075	40.4168
380	CON_36PLUS	4-UMP	TIME	-0.8551	1.0846	134	-0.79	0.4318	0.05	-3.0003	1.2900
381	CON_36PLUS	5-SC	Intercept	25.4183	4.4306	8	5.74	0.0004	0.05	15.2013	35.6353
382	CON_36PLUS	5-SC	TIME	-1.1773	0.6004	198	-1.96	0.0513	0.05	-2.3614	0.006785
383	CON_36PLUS	ALL	Intercept	14.1858	2.6837	8	5.29	0.0007	0.05	7.9971	20.3745
384	CON_36PLUS	ALL	TIME	-0.3425	0.3899	785	-0.88	0.3799	0.05	-1.1080	0.4229
385	BVR_DAM	1-NC	Intercept	0.9669	0.5061	8	1.91	0.0925	0.05	-0.2002	2.1339
386	BVR_DAM	1-NC	TIME	-0.01460	0.07436	149	-0.20	0.8446	0.05	-0.1615	0.1323
387	BVR_DAM	2-MC	Intercept	0.6557	0.1961	8	3.34	0.0102	0.05	0.2034	1.1080
388	BVR_DAM	2-MC	TIME	0.03057	0.02626	131	1.16	0.2466	0.05	-0.02139	0.08252
389	BVR_DAM	3-MS	Intercept	0.4618	0.1441	8	3.20	0.0125	0.05	0.1294	0.7941
390	BVR_DAM	3-MS	TIME	0.008405	0.01917	137	0.44	0.6618	0.05	-0.02951	0.04632
391	BVR_DAM	4-UMP	Intercept	0.008848	0.1203	8	0.07	0.9432	0.05	-0.2685	0.2862
392	BVR_DAM	4-UMP	TIME	0.04244	0.01569	134	2.71	0.0077	0.05	0.01141	0.07347
393	BVR_DAM	5-SC	Intercept	0.02255	0.01943	8	1.16	0.2794	0.05	-0.02226	0.06735
394	BVR_DAM	5-SC	TIME	0.003550	0.002433	198	1.46	0.1461	0.05	-0.00125	0.008348
395	BVR_DAM	ALL	Intercept	0.4309	0.09578	8	4.50	0.0020	0.05	0.2100	0.6518
396	BVR_DAM	ALL	TIME	0.01379	0.01341	785	1.03	0.3041	0.05	-0.01253	0.04011