

```

name: <unnamed>
log: /Users/nicholasweller/Dropbox/Weller Files/BarLer/Replication Material/Chapter
4/Chapter4replication.log
log type: text
opened on: 5 Jun 2014, 14:28:54

```

```

. use "/Users/nicholasweller/Dropbox/Weller Files/BarLer/Replication Material/Chapter
4/GerringData.dta"

```

```

. do "/Users/nicholasweller/Dropbox/Weller Files/BarLer/Replication Material/Chapter
4/Chaper4replication.do"

```

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. **Replication of Gerring results

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```

. **basic regression for Full Model

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. reg Polity2 Oil_production_MH_pc GDPpc_imputed_ln Muslim European_language
Ethnic_fractionaliz_Alesina

```

Source	SS	df	MS	Number of obs = 149			
Model	3058.25956	5	611.651912	F(5, 143)	=	25.23	
Residual	3466.73373	143	24.2428932	Prob > F	=	0.0000	
				R-squared	=	0.4687	
				Adj R-squared	=	0.4501	
Total	6524.99329	148	44.0877925	Root MSE	=	4.9237	

Polity2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Oil_production_MH_pc	-7.662098	2.917549	-2.63	0.010	-13.42919	-1.895003
GDPpc_imputed_ln	1.257576	.3341647	3.76	0.000	.5970354	1.918117
Muslim	-.0755496	.0130213	-5.80	0.000	-.1012886	-.0498105
European_language	1.842783	1.284909	1.43	0.154	-.6970868	4.382652
Ethnic_fractionaliz_Alesina	-2.093254	1.881776	-1.11	0.268	-5.812946	1.626439
_cons	-3.713976	2.969959	-1.25	0.213	-9.584671	2.15672

```

. predict Polity2_full
(option xb assumed; fitted values)

```

```

. **using standardized residuals as done by Gerring
. predict resid_full, rsta
(22 missing values generated)

```

```

. **regression for reduced model

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```

. reg Polity2 GDPpc_imputed_ln Muslim European_language Ethnic_fractionaliz_Alesina

```

Source	SS	df	MS	Number of obs = 149			
Model	2891.05672	4	722.764179	F(4, 144)	=	28.64	
Residual	3633.93657	144	25.2356706	Prob > F	=	0.0000	
				R-squared	=	0.4431	
				Adj R-squared	=	0.4276	
Total	6524.99329	148	44.0877925	Root MSE	=	5.0235	

Polity2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
GDPpc_imputed_ln	.9091271	.3129116	2.91	0.004	.2906338	1.52762
Muslim	-.0858153	.0126725	-6.77	0.000	-.1108634	-.0607672
European_language	2.241948	1.30175	1.72	0.087	-.3310584	4.814955
Ethnic_fractionaliz_Alesina	-3.022993	1.885638	-1.60	0.111	-6.750097	.7041112
_cons	-.8311618	2.815594	-0.30	0.768	-6.396394	4.734071

```

. predict Polity2_reduced
(option xb assumed; fitted values)

```

```

.
. **using standardized residuals as done by Gerring
. predict resid_reduced, rsta
(22 missing values generated)

.
.
. **to generate the Expected Relationship variable
. gen abs_resid_full=abs(resid_full)
(22 missing values generated)

. gen abs_reside_reduced=abs(resid_reduced)
(22 missing values generated)

.
. gen ExpectedRelationship=abs_reside_reduced-abs_resid_full
(22 missing values generated)

.
. **Create Figure 4.1
.
. histogram Oil_production_MH_pc, percent
(bin=13, start=0, width=.10286838)

.
. **Create Figure 4.2
.
. egen CountryPolity = concat(Country Polity2), punct(, )

.
. twoway (scatter ExpectedRelationship Oil_production_MH_pc, legend(off)) ///
> (scatter ExpectedRelationship Oil_production_MH_pc if Country=="Gabon", mlabel(CountryPolity))
///
> (scatter ExpectedRelationship Oil_production_MH_pc if Country=="Jordan", mlabel(CountryPolity))
///
> (scatter ExpectedRelationship Oil_production_MH_pc if Country=="Iran", mlabel(CountryPolity)) ///
> (scatter ExpectedRelationship Oil_production_MH_pc if Country=="Venezuela",
mlabel(CountryPolity)) ///
> (scatter ExpectedRelationship Oil_production_MH_pc if Country=="Oman", mlabel(CountryPolity)) ///
> (scatter ExpectedRelationship Oil_production_MH_pc if Country=="Saudi Arabia",
mlabel(CountryPolity)) ///
> (scatter ExpectedRelationship Oil_production_MH_pc if Country=="Kuwait", mlabel(CountryPolity))
///
> (scatter ExpectedRelationship Oil_production_MH_pc if Country=="Norway", mlabel(CountryPolity))
///
> (scatter ExpectedRelationship Oil_production_MH_pc if Country=="United Arab Emirates",
mlabel(CountryPolity))

.
end of do-file

. log close
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      closed on: 5 Jun 2014, 14:29:23
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