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**Replication of Gerring results

**basic regression for Full Model
reg Polity2 Oil_production_MH_pc GDPpc_imputed_ln Muslim European_language Ethnic_fractionaliz_Alesina
predict Polity2_full

**using standardized residuals as done by Gerring
predict resid_full, rsta

**regression for reduced model
reg Polity2 GDPpc_imputed_ln Muslim European_language Ethnic_fractionaliz_Alesina
predict Polity2_reduced

**using standardized residuals as done by Gerring
predict resid_reduced, rsta

**to generate the Expected Relationship variable
gen abs_resid_full=abs(resid_full)
gen abs_resid_reduced=abs(resid_reduced)

gen ExpectedRelationship=abs_resid_reduced-abs_resid_full

**Create Figure 4.1
histogram Oil_production_MH_pc, percent

**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))

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