Authoritarianism in the Middle East: Structural Conditions and Causal Processes Revisited

Data Sources, Descriptive Statistics, Robustness Checks, and Quantities of Interest

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Summary of Robustness Checks and Estimates of Quantities of Interest

1. *Redefine* particular variables
    - 1.1. Redefine the dependent variable: replace the Freedom House authoritarianism score with the Polity IV democracy score
    - 1.2. Redefine an independent variable: replace percent Muslim with a 0/1 variable indicating whether the country is 90%+ Muslim
    - 1.3. Redefine an independent variable: replace percent Muslim with a 0/1 variable indicating whether the country has an Islamic religious tradtion (Fish 2002)
    - 1.4. Redefine an independent variable: replace GDP per capita 2005 (ln) with agricultural value-added as a % of GDP, avg. 1990-2005 (ln)
    - 1.5. Redefine an independent variable: replace GDP per capita 2005 (ln) with agricultural employment as a % of labor force (avg. 2000-2008), ln
    - 1.6. Redefine an independent variable: replace fuels as a % exports, avg. 1972-2008, with fuel wealth per capita (average of 1995, 2000, and 2005)
    - 1.7. Redefine an independent variable: replace fuels as a % exports, avg. 1972-2008, with ores and metals as a % exports, avg. 1972-2008
2. Attenuate the influence of *outliers*: replace ordinary least squares with robust regression
3. Expand the baseline model to include an *additional control variable*:
    - 3.1. Arab League membership
    - 3.2. Long-term democratic (or authoritarian) experience
    - 3.3. Democracy in neighboring countries
4. Change the *universe of cases* from all countries to all developing countries
    - 4.1. Exclude industrialized capitalist and ex-Soviet and Soviet Bloc countries
5. Add *additional gender bias indicators* one at a time to the baseline model, substituting them for the gender bias indicators tested in Table 3
    - 5.1. Females as a share of the total population, avg. 1960-2009
    - 5.2. Ratio of females to males in the native (non-immigrant) population in 2005
    - 5.3. Male to female ratio at birth, 2005-2010
    - 5.4. Female to male under-5 mortality ratio, 2008
    - 5.5. Female to male life expectancy ratio, average 2000-2008
    - 5.6. Ratio of literate females to literate males, avg. 2000-2009
    - 5.7. Female to male ratio of persons with at least secondary education, 2010
    - 5.8. Female share of seats in parliament, 2008
    - 5.9. Ratio of female to male labor force participation in the population aged 15-64, 2008
    - 5.10. Maternal mortality ratio, average of all available years 2003-2008
    - 5.11. Adolescent (15-19) fertility rate (births per 1,000 women aged 15-19), 2008
6. Assess the extent to which *multicollinearity* may be driving the results
    - 6.1. Observe correlation matrices
    - 6.2. Calculate variance inflation factors
7. Test and correct for *endogeneity* using instrumental variables implemented through two-stage least squares (2SLS)
    - 7.1. 2SLS, Hausman test for Model 2.10, control of corruption in neighboring countries instruments for control of corruption
    - 7.2. 2SLS, Hausman test for Model 3.8, female share ministerial positions in neighboring countries instruments for female share ministerial positions
    - 7.3. 2SLS, Hausman test for Model 3.8, whether the head of government has at least one daughter instruments for female share ministerial positions
    - 7.4. 2SLS, Hausman test for Model 3.8, daughters as a percent of the head of government's children instruments for female share ministerial positions
8. Estimate *quantities of interest* using the CLARIFY routine (Tomz, Wittenberg, and King 2001).
    - 8.1. In Table 1, Models 1.2, 1.4, 1.6, and 1.8, how much would the Freedom House score change if the values of various indepenent variables rose by 1 SD?

Variable Names in Alphabetical Order

adofert	*Adolescent fertility*
agem0008	*% labor in agric*
agva9005	*Agricul. value added*
corr0509	Control of corruption
daught1	*Head of govt ≥1 daught*
daughtpct	*Head of govt % daught*
deathpop	*Conflict deaths*
deathpopz	*Conflict deaths Z*
demohist	*Democratic history*
excomm	*Ex-Communist country*
femshim	*Int'l migrants, F %*
fh0509	Freedom
fh0509ne	*Democratic neighbors*
fmin08	F % ministerial
fmin08ne	*F % ministerial neighb*
fmlabfor	*F/M labor force*
fmlit	*F/M literacy*
fmrnat05	*F/M native pop*
fmsecond	*F/M 2° schooling*
fparl08	*F % legislature*
fpop	*F % total pop*
fuelpurg	Fuels % exports
fuelwealth	*Fuel wealth*
gdp05pw	*GDP per capita*
gem	Gender Empower. Meas.
ggi0609	Gender Gap Index
gii08old	Gender Inequality Index
imfemshpop	*Int'l migrants F % pop*
immaleshpop	*Int'l migrants M % pop*
immigfem	*Int'l migrants, female*
immigmale	*Int'l migrants, male*
immigtot	*Int'l migrants, total*
imtotshpop	*Int'l migrants % pop*
lagem0008	*% labor in agric (ln)*
lagva9005	*Agricul. value added (ln)*
lfuelwealth	*Fuel wealth (ln)*
lgdp05pw	GDP per capita (ln)
lifexfm	F/M life expect.
maleshim	*Int'l migrants, M %*
mena	Middle East
mileap	Military personnel
milspen	Military spending
mmr0308	*Maternal mortality*
muslfish	*Muslim relig trad (0/1)*
muslim90	*90%+ Muslim (0/1)*
muslpew	% Muslim
oresexp	*Ores % exports*
peaceidx	Peace Index
polity0509	*Polity score*
popnatf05	*Native pop, F*
popnatm05	*Native pop, M*
prioapcu	*PRIO app*intns (cum)*
prioapcuz	*PRIO app*intns (cum) Z*
prioapin	*PRIO app*intns (year)*
prioapinz	*PRIO app*intns (year) Z*
prioapp	*PRIO appearances*
prioappz	*PRIO appearances Z*
priocum	*PRIO intensity (cum)*
prioint	*PRIO intensity (year)*
rich	*Rich country*
sal0509	Government salaries
sexratio	*M/F ratio at birth*
sovi	*Soviet bloc*
subs0509	Government subsidies
tax9009	*Taxes, % GDP*
taxgdpdir	Direct taxes, % GDP
taxrevdir	*Taxes, % direct*
u5mrfm	*F/M U5MR*
ussrasia	*Former USSR (Asia)*
ussreuro	*Former USSR (Europe)*

1. Variable Definitions, Descriptive Statistics, and Sources

Italics: variable used either to construct another variable or in a check for robustness

Category	Name in Table	Name in Database	# obs	Mean or count	Variable definition	Source
Democracy	Freedom	fh0509	191	3.28	Freedom House score, 2005-2009. Political rights & civil liberties averaged together, then averaged over the 5 years	Freedom House 2010
Democracy	*Polity score*	*polity0509*	*156*	*3.59*	*Polity2 score (-10 to +10, +10 most democratic), 2005-2009, five-year average*	*Marshall and Jaggers 2009*
Democracy	*Democratic history*	*demohist*	*189*	*20.34*	*Years democratic, 1900-1995, as measured by a Polity III score of 5 or higher in at least two consecutive years*	*Gerring and Thacker 2005*
Democracy	*Democratic neighbors*	*fh0509ne*	*190*	*3.30*	*Freedom House score in 2005-2009, average of each country contiguous with the indicated country.*	*Contiguity information from Correlates of War Project 2007*
Affluence	GDP per capita (ln)	lgdp05pw	188	12,262	Natural log of GDP per capita in 2005, Penn World Tables version 6.3 (var. RGDPCH)	Heston, Summers, and Aten 2009
Affluence	*GDP per capita*	*gdp05pw*	*188*	*12,262*	*GDP per capita in 2005, Penn World Tables version 6.3 (var. RGDPCH)*	*Heston, Summers, and Aten 2009*
Affluence	*Agricul. value added*	*agva9005*	*185*	*17.7*	Agriculture, value added (% GDP), average 1990-2005	*World Bank 2011*
Affluence	*Agricul. value added (ln)*	*lagva9005*	*184*	*2.43*	Natural log of agriculture, value added (% GDP), average 1990-2005	*World Bank 2011*
Affluence	*% labor in agric*	*agem0008*	*139*	*20.9*	Employment in agriculture (% total employment), average 2000-2008	*World Bank 2011*
Affluence	*% labor in agric (ln)*	*lagem0008*	*138*	*2.40*	Natural log of employment in agriculture (% total employment), average 2000-2008	*World Bank 2011*
Rents	Fuels % exports	fuelpurg	195	13.20	Fuel exports (% merchandise exports), avg. for all avail. years 1972-2008, countries w/no energy production coded 0	World Bank 2011
Rents	*Fuel wealth*	*fuelwealth*	*153*	*5897*	*Fuel (oil, gas, & coal) wealth, average value 1995, 2000, & 2005, per capita, in 2000 $US.*	*World Bank 2010*
Rents	*Fuel wealth (ln)*	*lfuelwealth*	*153*	*1.02*	*Natural log of fuel (oil, gas, & coal) wealth, average value 1995, 2000, & 2005, per capita, in 2000 $US*	*World Bank 2010*
Rents	*Ores % exports*	*oresexp*	*194*	*9.1*	*Ores and metals exports (% merchandise exports), avg. all available years 1972-2008*	*World Bank 2011*
Gender	Gender Empower. Meas.	gem	109	0.59	Gender Empowerment Measure, 2006, from the United Nations Development Programme	UNDP 2009
Gender	Gender Inequality Index	gii08old	138	0.55	Gender Inequality Index, 2008, from the United Nations Development Programme	UNDP 2010
Gender	Gender Gap Index	ggi0609	134	0.68	Global Gender Gap Index, 4-year average 2006-09 inclusive, from the World Economic Forum	World Economic Forum 2010
Gender	F % ministerial	fmin08	184	17.04	Female share of ministerial posts, Jan 2008. Prime ministers with portfolios, deputy prime ministers, and ministers	UNDP 2009
Gender	*F % ministerial neighb*	*fmin08ne*	*187*	*16.20*	*Female share of ministerial positions in Jan 2008, average of each country contiguous with the indicated country*	*Calculated from UNDP 2009 and Correlates of War Project 2007*
Gender	*F % total pop*	*fpop*	*191*	*50.13*	*Females as a share of the total population, avg. 1960-2009*	*World Bank 2011*

Category	Name in Table	Name in Database	# obs	Mean or count	Variable definition	Source
Gender	*F/M native pop*	*fmrnat05*	*182*	*1.02*	*Ratio of females to males in the native (non-immigrant) population in 2005. Calc.: popnatf05 ÷ popnatm05*	*World Bank 2011*
Gender	*M/F ratio at birth*	*sexratio*	*191*	*1.05*	*Male to female ratio at birth, 2005-2010.*	*UN Population Division 2009*
Gender	*F/M U5MR*	*u5mrfm*	*187*	*0.85*	*Female/male under-5 mortality ratio, 2008. Calc.: U5MR female, 2008 ÷ U5MR male, 2008*	*WHO 2010*
Gender	F/M life expect.	lifexfm	205	1.07	Female to male life expectancy ratio, avg. 2000-2008. Calc.: female ÷ male life expectancy (each avg. 2000-2008)	World Bank 2011
Gender	*F/M literacy*	*fmlit*	*147*	*0.88*	*Ratio of literate females to literate males, avg. 2000-2009*	*World Bank 2011*
Gender	*F/M 2° schooling*	*fmsecond*	*152*	*0.86*	*Population with at least secondary education, female/male ratio), 2010*	*UNDP 2010*
Gender	*F % legislature*	*fparl08*	*186*	*17.30*	*Female share of seats in parliament (%), 2008*	*UNDP 2010*
Gender	*F/M labor force*	*fmlabfor*	*185*	*0.72*	*Ratio of female to male labour force participation rate in the age group 15-64, 2008*	*ILO 2010*
Gender	*Maternal mortality*	*mmr0308*	*171*	*318.76*	*Maternal mortality ratio, avg. for all available years 2003-2008*	*UNDP 2010*
Gender	*Adolescent fertility*	*adofert*	*157*	*58.67*	*Adolescent fertility rate (births per 1,000 women aged 15-19), 2008*	*UNDP 2010*
Gender	*Head of govt ≥1 daught*	*daught1*	*155*	*0.78*	*0/1 variable indicating whether the head of government in January 2008 had at least one daughter*	*Heads of government from CIA 2008; daughters our coding*
Gender	*Head of govt % daught*	*daughtpct*	*155*	*0.47*	*Percentage of daughters among the head of government's children in 2008.*	*Heads of government from CIA 2008; daughters our coding*
Region	Middle East	mena	213	19	Middle East and North Africa (0/1)	Our coding
Region	*Rich country*	*rich*	*213*	*36*	*Industrialized country in West Europe, North America, or Antipodes, plus Japan (0/1)*	*Our coding*
Region	*Ex-Communist country*	*excomm*	*213*	*29*	*Former USSR or Soviet-bloc country*	*Our coding*
Region	*Soviet bloc*	*sovi*	*213*	*14*	*Former Soviet bloc countries in East and Central Europe (0/1)*	*Our coding*
Region	*Former USSR (Asia)*	*ussrasia*	*213*	*8*	*Former USSR Asia (0/1)*	*Our coding*
Region	*Former USSR (Europe)*	*ussreuro*	*213*	*7*	*Former USSR Europe (0/1)*	*Our coding*
Migrants	*Int'l migrants, total*	*immigtot*	*193*	*1,002,888*	*International migrants, stock, absolute number, 2005*	*UNDP 2009: 143-146*
Migrants	*Int'l migrants, female*	*immigfem*	*193*	*493,332*	*International migrants, female, stock, absolute number, 2005. Calc.: immigsh * femshim*	*UNDP 2009: 143-146*
Migrants	*Int'l migrants, male*	*immigmale*	*193*	*509,556*	*International migrants, male, stock, absolute number, 2005. Calc.: immigsh * maleshim*	*UNDP 2009: 143-146*
Migrants	*Int'l migrants % pop*	*imtotshpop*	*193*	*8.79*	*International migrants as a share of the population, 2005*	*UNDP 2009: 143-146*

Category	Name in Table	Name in Database	# obs	Mean or count	Variable definition	Source
Migrants	*Int'l migrants, F %*	*femshim*	*193*	*0.49*	*Proportion of international migrants who are female, 2005*	*UNDP 2009: 143-146*
Migrants	*Int'l migrants, M %*	*maleshim*	*193*	*0.51*	*Proportion of international migrants who are male, 2005. Calc.: 1 - imshfem*	*UNDP 2009: 143-146*
Migrants	*Int'l migrants F % pop*	*imfemshpop*	*193*	*4.08*	*Female international migrants as a share of the population, 2005. Calc.: imtotshpop * femshim*	*UNDP 2009: 143-146*
Migrants	*Int'l migrants M % pop*	*immaleshpop*	*193*	*4.71*	*Male international migrants as a share of the population, 2005. Calc.: imtotshpop * maleshim*	*UNDP 2009: 143-146*
Migrants	*Native pop, F*	*popnatf05*	*182*	*17,015,645*	*Total female non-immigrant population in 2005. Calc: popf05 - immigfem*	*World Bank 2011*
Migrants	*Native pop, M*	*popnatm05*	*182*	*17,283,755*	*Total male non-immigrant population in 2005. Calc: popm05 - immigmale*	*World Bank 2011*
Religion	% Muslim	muslpew	212	23.68	Percent Muslim in 2009. Replaced "~99" with 99, etc.; "<1" with .5, and "<.1" with .05.	Pew Research Forum 2009: 28-33
Religion	*90%+ Muslim (0/1)*	*muslim90*	*201*	*29*	*Whether country is 90%+ Muslim, based on muslpew*	*Pew Research Forum 2009: 28-33*
Religion	*Muslim relig trad (0/1)*	*muslfish*	*213*	*47*	*Whether Stephen Fish (2002) coded the country as having a predominantly Muslim religious tradition*	*Fish 2002: 11*
Conflict	*Conflict deaths*	*deathpop*	*212*	*4,992*	*Cumulative deaths in all episodes of conflict divided by avg. population in millions across the years 1972-2008*	*Marshall 2010*
Conflict	*PRIO appearances*	*prioapp*	*213*	*6.76*	*Number of years between 1972 and 2008 in which country appeared in UCDP/PRIO conflict dataset*	*UCDP/PRIO 2009*
Conflict	*PRIO intensity (year)*	*prioint*	*213*	*1.01*	*avg. intensity of maximum intensity conflict in each year in which country appeared in UCDP/PRIO conflict dataset*	*UCDP/PRIO 2009*
Conflict	*PRIO intensity (cum)*	*priocum*	*213*	*0.46*	*avg. intensity of maximum cumulative intensity conflict in each year in which country appeared in UCDP/PRIO dataset*	*UCDP/PRIO 2009*
Conflict	*PRIO app*intns (year)*	*prioapin*	*213*	*9.92*	*prioapp times prioint. All zeroes replaced with 0.1 for transformations.*	*UCDP/PRIO 2009*
Conflict	*PRIO app*intns (cum)*	*prioapcu*	*213*	*5.48*	*prioapp times priocum. All zeroes replaced with 0.1 for transformations.*	*UCDP/PRIO 2009*
Conflict	*Conflict deaths Z*	*deathpopz*	*213*	*0.00*	*Z-score of natural log of deathpop * -1*	*UCDP/PRIO 2009*
Conflict	*PRIO appearances Z*	*prioappz*	*213*	*0.00*	*Z-score of prioapp * -1*	*UCDP/PRIO 2009*
Conflict	*PRIO app*intns (year) Z*	*prioapinz*	*213*	*0.00*	*Z-score of prioapin * -1*	*UCDP/PRIO 2009*
Conflict	*PRIO app*intns (cum) Z*	*prioapcuz*	*213*	*0.00*	*Z-score of prioapcu * -1*	*UCDP/PRIO 2009*
Conflict	Peace Index	peaceidx	213	0.00	Peace Index: avg. of stab9609, deathpopz, prioappz, prioapinz, prioapcuz	Calculated from data in Marshall 2010 and UCDP/PRIO 2009
Military role	Military spending	milspen	162	2.73	Military expenditure (% GDP), avg. 1990-2009	World Bank 2011
Military role	Military personnel	mileap	169	1.83	Armed forces personnel (% total labor force), avg. 1990-2008	World Bank 2011

Category	Name in Table	Name in Database	# obs	Mean or count	Variable definition	Source
Tax revenue	*Taxes, % GDP*	*tax9009*	*148*	*16.78*	*Tax revenue (% GDP), avg. 1990-2009*	*World Bank 2011*
Tax revenue	*Taxes, % direct*	*taxrevdir*	*144*	*50.83*	*Taxes on goods, services, income, profits, capital gains (% revenue), avg. 1990-2009*	*World Bank 2011*
Tax revenue	Direct taxes, % GDP	taxgdpdir	143	9.04	Taxes on goods, services, income, profits, capital gains (% GDP), avg. 1990-2009. Calc.: tax9009 * (taxrevdir/100)	World Bank 2011
Governance	Control of corruption	corr0509	203	-0.0200	Control of corruption, average 2005-2009 (expert rating).	Kaufmann Kraay Mastruzzi 2010
Governance	Government salaries	sal0509	120	25.97	Compensation of [govt] employees (% govt expenditures), average all available years 2005-2009 inclusive	World Bank 2011
Governance	Government subsidies	subs0509	120	39.57	Subsidies and other transfers (% expense), average all available years 2005-2009 inclusive	World Bank 2011

References

CIA [US Central Intelligence Agency] (2008). The 2008 World Factbook. Washington, DC: Central Intelligence Agency.

Correlates of War Project. Direct Contiguity Data, 1816-2006. Version 3.1. Accessed December 10, 2010, at http://correlatesofwar.org.

Freedom House (2010). "Freedom in the World Country Ratings 1972-2010." Accessed November 10, 2010, at http://www.freedomhouse.org/images/file/FIW,%20All%20Score%20Ratings%20By%20Region,%201973-2010.xls

Gerring, John, and Strom Thacker (2005). "Do Neoliberal Policies Deter Political Corruption?" International Organization 59 No. 1, 233-254. Associated data accessed December 10, 2010, at http://www.bu.edu/sthacker/IO2005Excel.zip

Hausmann, Ricardo, Laura D. Tyson, and Saadia Zahidi (2010). The Global Gender Gap Report 2010. Geneva: World Economic Forum.

Heston, Alan, Robert Summers, and Bettina Aten (2009). Penn World Table Version 6.3. Center for International Comparisons of Production, Income and Prices at the University of Pennsylvania, August. Accessed November 19, 2009, at http://pwt.econ.upenn.edu/php_site/pwt_index.php

ILO [International Labour Organization] (2010). Key Indicators of the Labour Market. 6th ed. Accessed December 7, 2010, at http://kilm.ilo.org/KILMnetBeta/default2.asp

Kaufmann, Daniel, Aart Kraay, and Massimo Mastruzzi (2010). Worldwide Governance Indicators. Accessed Jan 28, 2011, at http://info.worldbank.org/governance/wgi/index.asp

Marshall, Monty G. (2010). Major Episodes of Political Violence 1946-2010. Center for Systemic Peace. Accessed January 26, 2011, at http://www.systemicpeace.org/warlist.htm.

Marshall, Monty G., and Keith Jaggers (2009). "Polity IV Project: Political Regime Characteristics and Transitions, 1800-2009." Accessed November 1, 2010, at http://www.systemicpeace.org/inscr/p4v2009.xls

Pew Research Forum (2009). Mapping the Global Muslim Population. Washington, DC: Pew Forum on Religion & Public Life.

UCDP/PRIO [Uppsala Conflict Data Program/International Peace Research Institute Oslo]. (2009). UCDP/PRIO Armed Conflict Dataset, Armed Conflicts Version 4-2009. Accessed January 21, 2011, at http://www.prio.no/CSCW/Datasets/Armed-Conflict/UCDP-PRIO/

United Nations Population Division (2009). World Population Prospects. The 2008 Revision. Accessed December 8, 2010, at http://data.un.org/Data.aspx?q=sex+ratio&d=PopDiv&f=variableID%3a52

UNDP [United Nations Development Programme] (2009). Human Development Report 2009. New York: Palgrave-Macmillan.

WHO [World Health Organization] (2010). Global Health Observatory Database. Accessed 8 Dec 2010 at http://apps.who.int/ghodata/

World Bank (2010). The Changing Wealth of Nations. Washington, DC: World Bank.

World Bank (2011). World Development Indicators online. Accessed November 1, 2010 to April 13, 2011 at http://data.worldbank.org/data-catalog/world-development-indicators

2. Descriptive Statistics for the Main Variables

Variable	Obs	Mean	Std. Dev.	Min	Max
fh0509	191	3.281152	1.946133	1	7
mena	213	.0892019	.2857064	0	1
gdp05pw	188	12261.78	13377.72	360	72921
lgdp05pw	188	8.792277	1.209047	5.886104	11.19713
fuelpurg	195	13.20462	25.36029	0	98.37
muslpew	212	23.67948	36.58251	.05	99.7
peaceidx	213	.00277	.857634	-2.68	.89
milspen	162	2.727778	2.797387	0	24.8
mileap	169	1.827041	1.934567	.05	11.17
taxgdpdir	143	9.037762	5.306823	0	28
corr0509	203	-.0199507	.99681	-1.81	2.38
sal0509	120	25.96833	12.30418	4	65.7
subs0509	120	39.5675	20.33744	3.2	81.6
gii08old	138	.5462029	.1784227	.174	.853
ggi0609	134	.6705776	.0560357	.4595	.8139
gem	109	.5871376	.1603565	.135	.909
fmin08	184	17.04348	11.74726	0	58
fmin08ne	187	16.20214	9.265881	1	38.7
polity0509	156	3.585897	6.346718	-10	10
muslim90	213	.1361502	.3437559	0	1
muslfish	213	.2206573	.4156667	0	1
agva9005	185	17.71946	15.08904	0	68.6
agem0008	139	20.93022	20.8611	.2	80.2
lagva9005	184	2.429068	1.068849	-.9162907	4.228292
lagem0008	139	2.403238	1.300102	-1.609438	4.384523
fuelwlthav~z	153	5896.651	22654.73	.001	172586.5
lfuelwltha~z	153	1.0214	6.726089	-6.907755	12.05865
oresexp	194	9.103557	15.55859	0	83.31
arableag	213	.1032864	.3050495	0	1
demohist	189	20.33862	27.61632	0	95
fh0509ne	190	3.304737	1.52	1	6.5
fpop	191	50.12678	2.238024	34.026	54.263
fmrnat05	182	1.01906	.0992303	.452	2.019
lifexfm	205	1.073273	.0330475	.998	1.22
sexratio	191	1.051435	.0221318	1.01	1.2

Variable	Obs	Mean	Std. Dev.	Min	Max
u5mrfm	187	.8483369	.1378676	.333	1.444
fmlit	147	.8760136	.1605704	.425	1.151
fmsecond	148	.860723	.2901337	.171	2.83
fparl08	186	17.30538	10.29534	0	50.9
fmlabfor	185	.721373	.1880889	.198	1.037
mmr0308	171	318.7602	419.9257	1	2100
adofert	157	58.66943	43.35882	0	201.4
daught1	155	.7806452	.4151509	0	1
daughtpct	155	.468	.3364992	0	1

Table 1: Baseline Model

Model -->	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Dep Var -->	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
mena	2.072***		2.516***		1.275***		0.573		0.471
	(6.41)		(7.05)		(3.79)		(1.44)		(1.07)
lgdp05pw		-0.714***	-0.807***		-0.864***		-0.748***	-0.643***	-0.672***
		(-6.72)	(-8.89)		(-9.98)		(-8.15)	(-6.89)	(-6.84)
fuelpurg				0.0294***	0.0289***		0.0254***	0.0261***	0.0247***
				(8.05)	(5.97)		(5.67)	(6.07)	(5.42)
muslpew						0.0276***	0.0115**	0.0132***	0.0112**
						(9.83)	(3.16)	(4.52)	(3.10)
peaceidx								-0.282*	-0.266*
								(-2.46)	(-2.24)
_cons	3.075***	9.555***	10.10***	2.890***	10.34***	2.590***	9.152***	8.199***	8.474***
	(21.19)	(10.52)	(12.76)	(18.90)	(13.69)	(16.53)	(11.06)	(9.88)	(9.65)
N	191	183	183	181	178	190	177	177	177
adj. R^2	0.097	0.192	0.348	0.155	0.466	0.271	0.489	0.498	0.499

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 2: Fuels Exports and Authoritarianism: Military, Taxation, Corruption, and Patronage as Hypothesized Causal Mechanisms

Model >	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.10	2.11
Dep Var>	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
Method>	OLS	OLS	OLS	OLS	OLS	OLS	OLS	OLS	OLS	OLS	2SLS
lgdp05pw	-0.659***	-0.667***	-0.678***	-0.747***	-0.800***	-0.709***	-0.651***	-0.540***	-0.641***	-0.0279	0.648*
	(-6.81)	(-7.02)	(-7.11)	(-8.38)	(-8.30)	(-6.81)	(-5.94)	(-4.45)	(-6.76)	(-0.21)	(2.05)
fuelpurg	0.0272***	0.0256***	0.0258***	0.0254***	0.0240***	0.0236***	0.0237***	0.0238***	0.0254***	0.0154***	0.00444
	(6.07)	(5.81)	(5.91)	(6.17)	(5.06)	(5.37)	(4.50)	(4.58)	(5.89)	(3.52)	(0.65)
muslpew	0.0119***	0.0105**	0.0130***	0.00892**	0.0104**	0.00931**	0.0141***	0.0135***	0.0135***	0.0124***	0.0113***
	(3.80)	(3.34)	(4.29)	(2.68)	(2.97)	(2.75)	(3.80)	(3.69)	(4.59)	(4.29)	(3.92)
peaceidx	-0.204	-0.160	-0.219	-0.149	-0.220	-0.222	-0.152	-0.247	-0.263*	-0.155	-0.0364
	(-1.70)	(-1.32)	(-1.85)	(-1.20)	(-1.72)	(-1.82)	(-1.17)	(-1.74)	(-2.28)	(-1.29)	(-0.29)
milspen		0.0951**									
		(2.99)									
mileap				0.225***							
				(3.43)							
taxgdpdir						-0.0520**					
						(-3.06)					
sal0509								0.0208			
								(1.89)			
corr0509										-1.023***	-2.151***
										(-6.41)	(-4.49)
_cons	8.418***	8.301***	8.566***	8.908***	9.602***	9.294***	8.078***	6.545***	8.185***	2.936*	-2.850
	(9.75)	(9.66)	(10.04)	(11.15)	(10.65)	(10.38)	(7.79)	(5.17)	(9.75)	(2.58)	(-1.06)
N	158	158	164	164	140	140	116	116	173	173	173
adj. R^2	0.481	0.495	0.495	0.529	0.525	0.541	0.521	0.533	0.489	0.587	0.464

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3: Percent Muslim and Authoritarianism: Gender-Related Factors as Hypothesized Causal Mechanisms

Model >	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
Dep Var>	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
Method>	OLS	OLS	OLS	OLS	OLS	OLS	OLS	OLS	2SLS
lgdp05pw	-0.695***	-0.511***	-0.749***	-0.521**	-0.589***	-0.495***	-0.634***	-0.571***	-0.547***
	(-6.27)	(-4.11)	(-7.66)	(-2.92)	(-5.60)	(-4.71)	(-6.55)	(-6.22)	(-5.75)
fuelpurg	0.0230***	0.0215***	0.0292***	0.0262***	0.0245***	0.0226***	0.0253***	0.0227***	0.0218***
	(4.42)	(4.22)	(6.48)	(5.36)	(5.06)	(4.69)	(5.83)	(6.22)	(5.97)
muslpew	0.0168***	0.0134**	0.0105**	0.00969**	0.0144***	0.0105**	0.0136***	0.00893**	0.00719*
	(4.25)	(2.83)	(3.16)	(2.89)	(4.07)	(2.69)	(4.44)	(2.96)	(2.07)
peaceidx	-0.235	-0.254	-0.226	-0.229	-0.300*	-0.293*	-0.245*	-0.193	-0.174
	(-1.81)	(-1.97)	(-1.74)	(-1.73)	(-2.32)	(-2.29)	(-2.09)	(-1.68)	(-1.46)
gem		-1.840*							
		(-2.03)							
gii08old				1.824					
				(1.59)					
ggi0609						-5.672*			
						(-2.28)			
fmin08								-0.0514***	-0.0707***
								(-6.07)	(-3.44)
_cons	8.470***	7.939***	9.092***	6.133**	7.566***	10.65***	8.135***	8.641***	8.830***
	(8.25)	(8.10)	(10.03)	(2.90)	(7.77)	(5.86)	(9.45)	(10.87)	(10.53)
N	108	108	138	138	133	133	166	166	166
adj. R^2	0.575	0.581	0.544	0.548	0.518	0.531	0.478	0.559	0.547

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 1.1.1: Baseline Model, New Dependent Variable: Polity IV Replaces Freedom House Democracy Rating

	(1) polity0509	(2) polity0509	(3) polity0509	(4) polity0509	(5) polity0509	(6) polity0509	(7) polity0509	(8) polity0509	(9) polity0509
mena	-7.935***		-9.206***		-5.845***		-3.463		-3.572*
	(-5.35)		(-5.73)		(-3.52)		(-1.86)		(-1.99)
lgdp05pw		1.071*	1.523***		1.677***		1.316***	1.169***	1.402***
		(2.53)	(4.75)		(5.22)		(3.87)	(3.41)	(4.01)
fuelpurg				-0.103***	-0.0849***		-0.0752***	-0.0866***	-0.0757***
				(-6.02)	(-3.95)		(-3.77)	(-4.59)	(-3.80)
muslpew						-0.0824***	-0.0375**	-0.0532***	-0.0374**
						(-6.80)	(-2.64)	(-4.31)	(-2.62)
peaceidx								-0.257	-0.358
								(-0.57)	(-0.76)
_cons	4.501***	-5.571	-8.428**	5.363***	-8.746**	5.841***	-5.016	-3.595	-5.823
	(9.08)	(-1.57)	(-2.99)	(10.43)	(-3.13)	(10.72)	(-1.64)	(-1.16)	(-1.83)
N	156	154	154	154	153	156	153	153	153
adj. R^2	0.155	0.038	0.252	0.189	0.351	0.236	0.376	0.360	0.374

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 1.1.2: Baseline Model, New Independent Variable: 90%+ Muslim (Dummy Var.) Replaces % Muslim

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509
mena	2.072***		2.516***		1.275***		1.069*		0.954*
	(6.41)		(7.05)		(3.79)		(2.60)		(2.11)
lgdp05pw		-0.714***	-0.807***		-0.864***		-0.835***	-0.704***	-0.753***
		(-6.72)	(-8.89)		(-9.98)		(-9.15)	(-7.57)	(-7.85)
fuelpurg				0.0294***	0.0289***		0.0284***	0.0313***	0.0276***
				(8.05)	(5.97)		(5.99)	(6.66)	(5.61)
muslim90						2.153***	0.355	0.711*	0.345
						(7.45)	(0.99)	(2.33)	(0.95)
peaceidx								-0.311**	-0.276*
								(-2.62)	(-2.21)
_cons	3.075***	9.555***	10.10***	2.890***	10.34***	2.977***	10.06***	8.893***	9.339***
	(21.19)	(10.52)	(12.76)	(18.90)	(13.69)	(20.39)	(12.50)	(10.94)	(11.12)
N	191	183	183	181	178	191	178	178	178
adj. R^2	0.097	0.192	0.348	0.155	0.466	0.145	0.465	0.464	0.475

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 1.1.3: Baseline Model, New Indep Var: Islamic Religious Tradit. (Dummy Var.) Replaces % Muslim

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509
mena	2.072***		2.516***		1.275***		0.650		0.573
	(6.41)		(7.05)		(3.79)		(1.64)		(1.33)
lgdp05pw		-0.714***	-0.807***		-0.864***		-0.764***	-0.664***	-0.695***
		(-6.72)	(-8.89)		(-9.98)		(-8.57)	(-7.19)	(-7.26)
fuelpurg				0.0294***	0.0289***		0.0258***	0.0272***	0.0253***
				(8.05)	(5.97)		(5.37)	(6.11)	(5.16)
muslfish						2.243***	0.913**	1.050***	0.869**
						(9.44)	(3.11)	(4.39)	(2.99)
peaceidx								-0.264*	-0.247*
								(-2.35)	(-2.11)
_cons	3.075***	9.555***	10.10***	2.890***	10.34***	2.729***	9.334***	8.444***	8.728***
	(21.19)	(10.52)	(12.76)	(18.90)	(13.69)	(18.08)	(11.75)	(10.34)	(10.28)
N	191	183	183	181	178	191	178	178	178
adj. R^2	0.097	0.192	0.348	0.155	0.466	0.244	0.490	0.495	0.497

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 1.1.4: Baseline Model, New Indep Var: ln Value Added in Agric % GDP Replaces ln GDP per capita

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509
mena	2.072***		2.909***		1.669***		0.925*		0.843
	(6.41)		(8.24)		(4.41)		(1.98)		(1.68)
lagva9005		0.827***	0.984***		1.061***		0.948***	0.775***	0.830***
		(5.94)	(9.11)		(11.25)		(9.03)	(7.19)	(7.68)
fuelpurg				0.0294***	0.0293***		0.0262***	0.0271***	0.0247***
				(8.05)	(5.69)		(5.19)	(5.74)	(4.79)
muslpew						0.0276***	0.0109**	0.0135***	0.0100*
						(9.83)	(2.68)	(4.13)	(2.51)
peaceidx								-0.411***	-0.398**
								(-3.48)	(-3.33)
_cons	3.075***	1.270**	0.606*	2.890***	0.128	2.590***	0.238	0.624*	0.530*
	(21.19)	(3.25)	(2.07)	(18.90)	(0.51)	(16.53)	(0.99)	(2.41)	(2.11)
N	191	179	179	181	175	190	174	174	174
adj. R^2	0.097	0.193	0.380	0.155	0.491	0.271	0.513	0.531	0.537

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 1.1.5: Baseline Model, New Indep Var: ln Agric Empl % EAP Replaces ln GDP per capita

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509
mena	2.072***		2.805***		1.627***		1.025*		0.889
	(6.41)		(7.07)		(3.81)		(2.03)		(1.60)
lagem0008		0.693***	0.754***		0.808***		0.741***	0.630***	0.684***
		(5.69)	(6.52)		(7.47)		(5.98)	(5.46)	(5.61)
fuelpurg				0.0294***	0.0289***		0.0256***	0.0281***	0.0256***
				(8.05)	(5.00)		(4.59)	(5.42)	(4.45)
muslpew						0.0276***	0.00993*	0.0141**	0.00978
						(9.83)	(1.98)	(3.25)	(1.91)
peaceidx								-0.266*	-0.219
								(-2.43)	(-1.84)
_cons	3.075***	1.039**	0.578	2.890***	0.144	2.590***	0.206	0.465	0.357
	(21.19)	(2.81)	(1.74)	(18.90)	(0.46)	(16.53)	(0.64)	(1.52)	(1.12)
N	191	128	128	181	126	190	125	125	125
adj. R^2	0.097	0.211	0.457	0.155	0.574	0.271	0.594	0.590	0.599

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 1.1.6: Baseline Model, New Indep Var: ln Fuels Wealth per capita Replaces Fuels % Exports

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509
mena	2.072***		2.516***		2.036***		1.180*		1.130*
	(6.41)		(7.05)		(5.16)		(2.37)		(2.18)
lgdp05pw		-0.714***	-0.807***		-0.986***		-0.866***	-0.744***	-0.816***
		(-6.72)	(-8.89)		(-9.81)		(-8.14)	(-6.58)	(-7.00)
lfuelwlthavgnz				0.0420	0.0717***		0.0656***	0.0661***	0.0600**
				(1.93)	(3.67)		(3.55)	(3.43)	(3.00)
muslpew						0.0276***	0.0118**	0.0171***	0.0119**
						(9.83)	(2.74)	(5.05)	(2.74)
peaceidx								-0.187	-0.153
								(-1.22)	(-0.96)
_cons	3.075***	9.555***	10.10***	3.164***	11.61***	2.590***	10.35***	9.240***	9.908***
	(21.19)	(10.52)	(12.76)	(21.80)	(13.06)	(16.53)	(10.60)	(8.93)	(9.29)
N	191	183	183	151	151	190	151	151	151
adj. R^2	0.097	0.192	0.348	0.017	0.443	0.271	0.473	0.457	0.473

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 1.1.7: Baseline Model, New Indep Var: Hard Rock Minerals % Exports Replaces Fuels % Exports

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509
mena	2.072***		2.516***		2.489***		1.277**		1.134*
	(6.41)		(7.05)		(6.95)		(2.76)		(2.31)
lgdp05pw		-0.714***	-0.807***		-0.805***		-0.649***	-0.461***	-0.556***
		(-6.72)	(-8.89)		(-8.70)		(-6.61)	(-4.53)	(-5.39)
oresexp				0.0115	-0.00340		-0.00250	-0.000535	-0.00103
				(1.52)	(-0.48)		(-0.41)	(-0.09)	(-0.17)
muslpew						0.0276***	0.0163***	0.0217***	0.0159***
						(9.83)	(3.84)	(6.56)	(3.66)
peaceidx								-0.362**	-0.313*
								(-2.68)	(-2.25)
_cons	3.075***	9.555***	10.10***	3.215***	10.14***	2.590***	8.472***	6.763***	7.637***
	(21.19)	(10.52)	(12.76)	(19.02)	(12.33)	(16.53)	(9.32)	(7.28)	(8.08)
N	191	183	183	180	178	190	177	177	177
adj. R^2	0.097	0.192	0.348	0.003	0.348	0.271	0.404	0.400	0.417

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 1.2.1: Baseline Model, New Statistical Technique: Robust Regression Replaces Ordinary Least Squares

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509
mena	2.178***		3.013***		1.586***		0.499		0.401
	(4.61)		(8.68)		(4.52)		(1.35)		(1.08)
lgdp05pw		-0.948***	-0.933***		-0.982***		-0.838***	-0.734***	-0.758***
		(-8.88)	(-10.45)		(-12.39)		(-10.73)	(-9.06)	(-8.98)
fuelpurg				0.0307***	0.0324***		0.0298***	0.0298***	0.0287***
				(5.72)	(7.75)		(7.66)	(7.96)	(7.33)
muslpew						0.0303***	0.0156***	0.0169***	0.0151***
						(9.11)	(5.10)	(6.39)	(4.93)
peaceidx								-0.272*	-0.258*
								(-2.52)	(-2.37)
_cons	3.011***	11.29***	10.88***	2.816***	11.09***	2.380***	9.600***	8.685***	8.911***
	(20.22)	(11.95)	(13.85)	(17.71)	(16.00)	(15.97)	(13.67)	(12.01)	(11.77)
N	191	183	183	181	178	190	177	177	177
adj. R^2	0.096	0.299	0.468	0.150	0.590	0.302	0.664	0.663	0.661

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 1.3.1: Baseline Model, Additional Control Variable: Arab League Membership

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509
mena	0.192		1.160*		0.169		-0.0428		-0.261
	(0.32)		(2.07)		(0.48)		(-0.12)		(-0.69)
arableag	2.312***	2.502***	1.642**	1.734***	1.392***	0.676	0.964*	0.970*	1.124**
	(4.22)	(8.39)	(3.30)	(6.02)	(4.24)	(1.91)	(2.52)	(2.52)	(3.16)
lgdp05pw		-0.726***	-0.765***		-0.825***		-0.746***	-0.671***	-0.659***
		(-8.36)	(-8.60)		(-9.73)		(-8.09)	(-7.23)	(-6.73)
fuelpurg				0.0202***	0.0279***		0.0254***	0.0242***	0.0247***
				(4.85)	(5.96)		(5.78)	(5.61)	(5.59)
muslpew						0.0240***	0.00902*	0.00808*	0.00835*
						(6.42)	(2.29)	(2.09)	(2.09)
peaceidx								-0.292*	-0.302**
								(-2.57)	(-2.67)
_cons	3.008***	9.371***	9.687***	2.820***	9.966***	2.606***	9.148***	8.487***	8.380***
	(20.86)	(12.35)	(12.50)	(18.79)	(13.49)	(16.51)	(11.01)	(10.27)	(9.57)
N	191	183	183	181	178	190	177	177	177
adj. R^2	0.148	0.364	0.374	0.220	0.485	0.275	0.496	0.511	0.508

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 1.3.2: Baseline Model, Additional Control Variable: Democratic History

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509
mena	1.461***		1.873***		0.989***		0.383		0.185
	(5.53)		(5.80)		(3.58)		(1.12)		(0.46)
demohist	-0.0394***	-0.0360***	-0.0286***	-0.0379***	-0.0230***	-0.0333***	-0.0220***	-0.0259***	-0.0257***
	(-13.35)	(-7.72)	(-5.80)	(-13.59)	(-4.76)	(-10.55)	(-4.57)	(-5.27)	(-5.08)
lgdp05pw		-0.252*	-0.416**		-0.535***		-0.447***	-0.256*	-0.271
		(-1.98)	(-3.27)		(-4.15)		(-3.55)	(-1.98)	(-1.96)
fuelpurg				0.0218***	0.0234***		0.0205***	0.0190***	0.0185***
				(6.99)	(5.53)		(5.17)	(4.90)	(4.70)
muslpew						0.0187***	0.0101**	0.0102***	0.00948**
						(6.16)	(2.87)	(3.68)	(2.72)
peaceidx								-0.440***	-0.433***
								(-3.97)	(-3.75)
_cons	3.960***	6.232***	7.327***	3.777***	8.035***	3.516***	7.085***	5.500***	5.634***
	(24.29)	(6.11)	(7.30)	(22.56)	(8.00)	(17.61)	(7.13)	(5.45)	(5.16)
N	186	181	181	179	177	185	176	176	176
adj. R^2	0.399	0.373	0.451	0.439	0.530	0.461	0.548	0.578	0.576

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 1.3.3: Baseline Model, Additional Control Variable: Democracy in Neighboring Countries

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509
mena	0.876*		1.433***		0.741*		0.339		0.278
	(2.26)		(3.63)		(2.10)		(0.87)		(0.67)
fh0509ne	0.794***	0.725***	0.593***	0.740***	0.455***	0.680***	0.417***	0.405***	0.399***
	(11.81)	(9.39)	(6.69)	(10.80)	(5.12)	(8.63)	(4.54)	(4.35)	(4.29)
lgdp05pw		-0.304**	-0.431***		-0.562***		-0.515***	-0.452***	-0.472***
		(-3.04)	(-4.08)		(-5.28)		(-5.01)	(-4.44)	(-4.44)
fuelpurg				0.0171***	0.0221***		0.0205***	0.0210***	0.0202***
				(4.62)	(4.84)		(4.70)	(4.91)	(4.57)
muslpew						0.0134***	0.00732*	0.00842**	0.00733*
						(3.89)	(2.04)	(2.69)	(2.01)
peaceidx								-0.192	-0.184
								(-1.65)	(-1.55)
_cons	0.561**	3.529***	4.937***	0.578**	6.311***	0.689**	5.902***	5.372***	5.572***
	(2.63)	(3.42)	(4.47)	(2.64)	(5.69)	(3.24)	(5.54)	(5.17)	(5.16)
N	189	182	182	180	177	188	176	176	176
adj. R^2	0.444	0.451	0.492	0.462	0.544	0.475	0.551	0.556	0.554

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 1.4.1: Baseline Model, New Universe of Cases: Developing Countries Only

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509
mena	1.608***		2.219***		1.285***		0.566		0.402
	(4.81)		(5.92)		(3.68)		(1.25)		(0.78)
lgdp05pw		-0.343*	-0.567***		-0.640***		-0.529***	-0.362*	-0.400**
		(-2.38)	(-4.13)		(-4.66)		(-3.80)	(-2.56)	(-2.64)
fuelpurg				0.0218***	0.0216***		0.0194***	0.0196***	0.0184***
				(5.84)	(4.34)		(4.14)	(4.33)	(3.73)
muslpew						0.0197***	0.0104*	0.0117***	0.00992*
						(6.10)	(2.56)	(3.89)	(2.44)
peaceidx								-0.372**	-0.358**
								(-2.82)	(-2.62)
_cons	3.539***	6.619***	8.179***	3.472***	8.645***	3.197***	7.540***	6.096***	6.435***
	(21.09)	(5.67)	(7.40)	(20.05)	(7.91)	(16.31)	(6.65)	(5.32)	(5.21)
N	133	130	130	129	127	132	126	126	126
adj. R^2	0.090	0.040	0.213	0.119	0.287	0.177	0.308	0.338	0.335

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 2.1.1: Fuels Exports and Authoritarianism, New Dependent Variable: Polity IV Replaces Freedom House Democracy Rating

	(1) polity0509	(2) polity0509	(3) polity0509	(4) polity0509	(5) polity0509	(6) polity0509	(7) polity0509	(8) polity0509	(9) polity0509	(10) polity0509	(11) 2SLS polity0509
lgdp05pw	1.216***	1.250***	1.236***	1.494***	1.696***	1.348***	1.050*	0.511	1.148**	-0.0550	-2.665*
	(3.48)	(3.75)	(3.57)	(4.55)	(4.59)	(3.43)	(2.42)	(0.98)	(3.32)	(-0.09)	(-2.04)
fuelpurg	-0.0895***	-0.0830***	-0.0836***	-0.0838***	-0.0762***	-0.0747***	-0.0712**	-0.0714**	-0.0872***	-0.0675**	-0.0248
	(-4.73)	(-4.56)	(-4.46)	(-4.61)	(-3.59)	(-4.10)	(-2.86)	(-2.95)	(-4.54)	(-3.30)	(-0.85)
muslpew	-0.0556***	-0.0483***	-0.0566***	-0.0442***	-0.0518***	-0.0482***	-0.0666***	-0.0624***	-0.0526***	-0.0515***	-0.0489***
	(-4.51)	(-3.93)	(-4.64)	(-3.40)	(-3.63)	(-3.46)	(-4.30)	(-4.39)	(-4.23)	(-4.12)	(-3.56)
peaceidx	-0.371	-0.590	-0.382	-0.600	-0.527	-0.490	-0.582	-0.200	-0.221	-0.400	-0.791
	(-0.83)	(-1.30)	(-0.86)	(-1.29)	(-1.13)	(-1.10)	(-1.19)	(-0.40)	(-0.48)	(-0.88)	(-1.51)
milspen		-0.442***									
		(-4.82)									
mileap				-0.806**							
				(-3.29)							
taxgdpdir						0.225**					
						(3.06)					
sal0509								-0.0955*			
								(-2.13)			
corr0509										2.003**	6.351**
										(2.62)	(3.17)
_cons	-4.006	-3.403	-4.235	-5.501	-8.073*	-7.089*	-1.585	5.613	-3.434	6.903	29.33**
	(-1.26)	(-1.12)	(-1.34)	(-1.85)	(-2.29)	(-2.04)	(-0.39)	(1.02)	(-1.10)	(1.28)	(2.63)
N	148	148	151	151	127	127	104	104	151	151	151
adj. R^2	0.387	0.421	0.371	0.410	0.380	0.408	0.410	0.437	0.357	0.390	0.212

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 2.1.2: Fuels Exports and Authoritarianism, New Indep Var: 90%+ Muslim (Dummy Var.) Replaces % Muslim

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509	(11) 2SLS fh0509
lgdp05pw	-0.719***	-0.721***	-0.740***	-0.809***	-0.869***	-0.753***	-0.722***	-0.600***	-0.700***	-0.0561	0.706*
	(-7.45)	(-7.62)	(-7.81)	(-9.35)	(-9.44)	(-7.28)	(-6.78)	(-4.75)	(-7.38)	(-0.34)	(2.08)
fuelpurg	0.0324***	0.0299***	0.0308***	0.0292***	0.0285***	0.0273***	0.0282***	0.0282***	0.0307***	0.0196***	0.00637
	(6.68)	(6.42)	(6.45)	(6.86)	(5.32)	(5.65)	(4.78)	(4.95)	(6.49)	(3.96)	(0.81)
muslim90	0.554	0.446	0.703*	0.284	0.414	0.412	0.964*	0.904*	0.731*	0.744**	0.760**
	(1.66)	(1.39)	(2.21)	(0.90)	(1.07)	(1.10)	(2.45)	(2.29)	(2.38)	(2.79)	(2.84)
peaceidx	-0.223	-0.169	-0.239	-0.155	-0.249	-0.248*	-0.166	-0.268	-0.297*	-0.178	-0.0364
	(-1.79)	(-1.34)	(-1.95)	(-1.21)	(-1.91)	(-1.98)	(-1.29)	(-1.88)	(-2.48)	(-1.70)	(-0.28)
milspen		0.112***									
		(3.38)									
mileap				0.266***							
				(4.22)							
taxgdpdir						-0.0599**					
						(-3.31)					
sal0509								0.0223			
								(1.85)			
corr0509										-1.057***	-2.308***
										(-5.27)	(-4.58)
_cons	9.100***	8.879***	9.282***	9.520***	10.34***	9.867***	8.852***	7.180***	8.871***	3.340*	-3.204
	(10.79)	(10.49)	(11.17)	(12.33)	(12.20)	(11.44)	(8.93)	(5.34)	(10.75)	(2.38)	(-1.11)
N	158	158	164	164	140	140	116	116	174	174	174
adj. R^2	0.449	0.471	0.461	0.510	0.497	0.519	0.485	0.499	0.453	0.559	0.407

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 2.1.3: Fuels Exports and Authoritarianism, New Indep Var: Islamic Religious Tradit. (Dummy Var.) Replaces % Muslim

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509	(11) 2SLS fh0509
lgdp05pw	-0.672***	-0.673***	-0.700***	-0.757***	-0.802***	-0.710***	-0.652***	-0.533***	-0.662***	-0.0653	0.526
	(-7.00)	(-7.27)	(-7.42)	(-8.83)	(-8.35)	(-6.86)	(-5.99)	(-4.34)	(-7.05)	(-0.39)	(1.68)
fuelpurg	0.0279***	0.0255***	0.0269***	0.0250***	0.0243***	0.0238***	0.0234***	0.0235***	0.0265***	0.0170***	0.00758
	(6.17)	(5.66)	(5.95)	(6.02)	(5.32)	(5.58)	(4.39)	(4.50)	(5.91)	(3.81)	(1.14)
muslfish	0.999***	0.938***	1.035***	0.827**	0.894**	0.808**	1.136***	1.096***	1.081***	0.945***	0.810**
	(4.07)	(3.90)	(4.21)	(3.28)	(3.13)	(2.91)	(3.76)	(3.72)	(4.50)	(4.11)	(3.17)
peaceidx	-0.190	-0.139	-0.197	-0.119	-0.209	-0.213	-0.157	-0.256	-0.242*	-0.141	-0.0397
	(-1.63)	(-1.18)	(-1.69)	(-0.97)	(-1.66)	(-1.75)	(-1.21)	(-1.81)	(-2.16)	(-1.45)	(-0.34)
milspen		0.106***									
		(3.36)									
mileap				0.246***							
				(4.00)							
taxgdpdir						-0.0519**					
						(-3.00)					
sal0509								0.0220*			
								(2.02)			
corr0509										-0.999***	-1.988***
										(-4.85)	(-4.14)
_cons	8.561***	8.349***	8.823***	8.987***	9.638***	9.322***	8.136***	6.505***	8.429***	3.326*	-1.731
	(10.10)	(10.01)	(10.53)	(11.75)	(10.73)	(10.46)	(7.95)	(5.06)	(10.20)	(2.33)	(-0.65)
N	158	158	164	164	140	140	116	116	174	174	174
adj. R^2	0.484	0.504	0.491	0.536	0.527	0.543	0.516	0.529	0.486	0.580	0.485

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 2.1.4: Fuels Exports and Authoritarianism, New Indep Var: ln Value Added in Agric % GDP Replaces ln GDP per capita

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509	(11) 2SLS fh0509
lagva9005	0.792***	0.875***	0.820***	0.909***	0.892***	0.810***	0.739***	0.628***	0.777***	0.0459	-0.519*
	(6.88)	(7.81)	(7.24)	(8.59)	(7.09)	(6.94)	(5.53)	(4.32)	(7.23)	(0.30)	(-1.99)
fuelpurg	0.0279***	0.0257***	0.0268***	0.0259***	0.0264***	0.0262***	0.0227***	0.0233***	0.0264***	0.0147***	0.00566
	(5.64)	(5.48)	(5.62)	(6.19)	(5.44)	(6.04)	(3.98)	(4.10)	(5.59)	(3.48)	(0.93)
muslpew	0.0122***	0.00927**	0.0133***	0.00842*	0.0108**	0.00910*	0.0149***	0.0137***	0.0135***	0.0114***	0.00978***
	(3.47)	(2.69)	(3.94)	(2.51)	(2.76)	(2.54)	(3.58)	(3.55)	(4.11)	(4.06)	(3.41)
peaceidx	-0.338**	-0.250*	-0.349**	-0.288*	-0.344*	-0.307*	-0.236	-0.335*	-0.390**	-0.226*	-0.0990
	(-2.67)	(-2.09)	(-2.83)	(-2.35)	(-2.54)	(-2.31)	(-1.81)	(-2.33)	(-3.26)	(-2.10)	(-0.79)
milspen		0.163***									
		(5.42)									
mileap				0.281***							
				(4.17)							
taxgdpdir						-0.0653***					
						(-3.87)					
sal0509								0.0237*			
								(2.09)			
corr0509										-1.085***	-1.924***
										(-6.17)	(-4.92)
_cons	0.656*	0.144	0.573*	0.0355	0.342	1.168***	0.479	0.140	0.641*	2.581***	4.079***
	(2.41)	(0.55)	(2.17)	(0.14)	(1.28)	(3.39)	(1.80)	(0.55)	(2.49)	(6.25)	(5.65)
N	155	155	161	161	139	139	113	113	170	170	170
adj. R^2	0.510	0.556	0.529	0.575	0.546	0.574	0.555	0.574	0.526	0.619	0.561

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 2.1.5: Fuels Exports and Authoritarianism, New Indep Var: ln Agric Empl % EAP Replaces ln GDP per capita

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509	(11) fh0509
lagem0008	0.615***	0.695***	0.631***	0.758***	0.638***	0.538***	0.582***	0.514***	0.631***	0.381*	-0.400
	(5.09)	(5.95)	(5.39)	(7.44)	(4.90)	(4.26)	(4.33)	(3.79)	(5.50)	(2.57)	(-0.76)
fuelpurg	0.0310***	0.0275***	0.0279***	0.0269***	0.0219***	0.0232***	0.0198***	0.0211***	0.0267***	0.0236***	0.0137
	(5.69)	(5.26)	(5.37)	(6.20)	(4.30)	(5.23)	(3.52)	(3.73)	(5.17)	(4.55)	(1.46)
muslpew	0.0122**	0.00854*	0.0140**	0.00788*	0.0144**	0.0129**	0.0172***	0.0157***	0.0147***	0.0139***	0.0116**
	(2.66)	(1.99)	(3.23)	(2.05)	(3.20)	(3.20)	(3.66)	(3.56)	(3.39)	(3.41)	(2.82)
peaceidx	-0.284*	-0.193	-0.254*	-0.168	-0.277*	-0.296**	-0.253*	-0.321*	-0.228*	-0.181	-0.0324
	(-2.58)	(-1.63)	(-2.30)	(-1.36)	(-2.38)	(-2.88)	(-2.06)	(-2.59)	(-2.09)	(-1.66)	(-0.20)
milspen		0.204**									
		(2.92)									
mileap				0.284***							
				(3.41)							
taxgdpdir						-0.0697***					
						(-3.80)					
sal0509								0.0265*			
								(2.60)			
corr0509										-0.410**	-1.691*
										(-3.02)	(-2.23)
_cons	0.491	-0.0771	0.478	-0.203	0.417	1.369**	0.482	0.0385	0.472	1.259**	3.724*
	(1.48)	(-0.24)	(1.54)	(-0.78)	(1.24)	(2.94)	(1.40)	(0.14)	(1.55)	(3.13)	(2.22)
N	113	113	119	119	109	109	93	93	121	121	121
adj. R^2	0.597	0.631	0.588	0.645	0.591	0.634	0.608	0.636	0.583	0.599	0.410

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 2.1.6: Fuels Wealth and Authoritarianism New Indep Var: ln Fuels Wealth per capita Replaces Fuels % Exports

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509	(11) 2SLS fh0509
lgdp05pw	-0.734***	-0.804***	-0.756***	-0.883***	-0.833***	-0.743***	-0.646***	-0.527***	-0.752***	-0.0555	0.867
	(-6.42)	(-6.88)	(-6.59)	(-8.04)	(-6.85)	(-5.77)	(-4.93)	(-3.74)	(-6.50)	(-0.32)	(1.48)
lfuelwlthavgnz	0.0622**	0.0557**	0.0648**	0.0661***	0.0543**	0.0545**	0.0295	0.0410	0.0659**	0.0386*	0.00256
	(3.05)	(2.76)	(3.25)	(3.53)	(2.68)	(2.79)	(1.33)	(1.84)	(3.33)	(2.15)	(0.07)
muslpew	0.0175***	0.0140***	0.0175***	0.0130**	0.0151***	0.0139***	0.0176***	0.0160***	0.0173***	0.0150***	0.0120***
	(4.80)	(3.66)	(5.02)	(3.36)	(4.13)	(3.87)	(4.38)	(4.05)	(5.08)	(4.74)	(3.49)
peaceidx	-0.179	-0.0780	-0.167	-0.125	-0.168	-0.182	-0.151	-0.251	-0.148	-0.0732	0.0262
	(-1.13)	(-0.50)	(-1.07)	(-0.76)	(-1.11)	(-1.27)	(-1.00)	(-1.52)	(-0.97)	(-0.58)	(0.18)
milspen		0.171**									
		(2.74)									
mileap				0.286**							
				(2.85)							
taxgdpdir						-0.0565*					
						(-2.49)					
sal0509								0.0275*			
								(2.29)			
corr0509										-1.055***	-2.454**
										(-5.33)	(-3.04)
_cons	9.155***	9.449***	9.348***	10.14***	10.01***	9.748***	8.163***	6.407***	9.300***	3.262*	-4.737
	(8.76)	(8.78)	(8.93)	(10.00)	(8.89)	(8.85)	(6.65)	(4.49)	(8.83)	(2.17)	(-0.94)
N	140	140	142	142	129	129	104	104	148	148	148
adj. R^2	0.447	0.479	0.452	0.499	0.468	0.486	0.431	0.452	0.453	0.557	0.368

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 2.1.7: "Fuels" Exports and Authoritarianism, New Indep Var: Hard Rock Minerals % Exports Replaces Fuels % Exports

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509	(11) fh0509
lgdp05pw	-0.489***	-0.514***	-0.505***	-0.579***	-0.671***	-0.574***	-0.529***	-0.422**	-0.465***	0.198	0.726**
	(-4.50)	(-4.89)	(-4.77)	(-6.01)	(-6.04)	(-4.86)	(-4.14)	(-2.99)	(-4.52)	(1.35)	(3.18)
oresexp	-0.00155	-0.00160	-0.00167	-0.00103	0.00279	0.00323	-0.00141	-0.00169	-0.000541	0.00245	0.00483
	(-0.24)	(-0.24)	(-0.26)	(-0.16)	(0.40)	(0.48)	(-0.17)	(-0.21)	(-0.09)	(0.47)	(0.85)
muslpew	0.0215***	0.0188***	0.0215***	0.0171***	0.0167***	0.0155***	0.0208***	0.0202***	0.0218***	0.0166***	0.0126***
	(6.15)	(5.20)	(6.35)	(4.53)	(4.67)	(4.38)	(5.22)	(5.25)	(6.57)	(5.73)	(4.07)
peaceidx	-0.263	-0.199	-0.281*	-0.208	-0.295*	-0.297*	-0.203	-0.295	-0.327*	-0.173	-0.0496
	(-1.79)	(-1.38)	(-1.98)	(-1.43)	(-1.99)	(-2.11)	(-1.35)	(-1.76)	(-2.45)	(-1.61)	(-0.39)
milspen		0.127**									
		(3.29)									
mileap				0.236**							
				(3.31)							
taxgdpdir						-0.0554*					
						(-2.45)					
sal0509								0.0201			
								(1.65)			
corr0509										-1.225***	-2.202***
										(-6.91)	(-5.94)
_cons	7.102***	7.058***	7.229***	7.584***	8.562***	8.227***	7.135***	5.664***	6.796***	1.034	-3.559
	(7.07)	(7.21)	(7.38)	(8.37)	(8.06)	(8.05)	(5.81)	(3.78)	(7.26)	(0.79)	(-1.80)
N	158	158	164	164	140	140	116	116	173	173	173
adj. R^2	0.370	0.399	0.394	0.432	0.453	0.471	0.430	0.440	0.395	0.557	0.452

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 2.2.1: Fuels Exports and Authoritarianism, New Statistical Technique: Robust Regression Replaces Ordinary Least Squares

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509
lgdp05pw	-0.751***	-0.759***	-0.770***	-0.810***	-0.858***	-0.784***	-0.686***	-0.615***	-0.734***	-0.0951
	(-8.67)	(-8.92)	(-9.22)	(-9.56)	(-10.66)	(-9.13)	(-7.96)	(-6.03)	(-9.06)	(-0.81)
fuelpurg	0.0309***	0.0297***	0.0295***	0.0290***	0.0248***	0.0246***	0.0236***	0.0234***	0.0298***	0.0181***
	(7.68)	(7.45)	(7.80)	(7.69)	(6.13)	(6.07)	(5.75)	(5.46)	(7.96)	(4.56)
muslpew	0.0155***	0.0145***	0.0170***	0.0132***	0.0171***	0.0158***	0.0187***	0.0178***	0.0169***	0.0146***
	(5.34)	(5.01)	(6.25)	(4.58)	(6.64)	(6.07)	(6.50)	(5.93)	(6.39)	(5.58)
peaceidx	-0.212	-0.174	-0.221	-0.179	-0.235*	-0.243*	-0.187	-0.246*	-0.272*	-0.193
	(-1.80)	(-1.49)	(-1.96)	(-1.57)	(-2.23)	(-2.30)	(-1.70)	(-2.03)	(-2.52)	(-1.79)
milspen		0.0729*								
		(2.12)								
mileap				0.171**						
				(3.15)						
taxgdpdir						-0.0386*				
						(-2.28)				
sal0509								0.0123		
								(1.36)		
corr0509										-0.921***
										(-6.52)
_cons	8.906***	8.812***	9.044***	9.199***	9.791***	9.525***	8.125***	7.203***	8.685***	3.306**
	(11.44)	(11.52)	(12.06)	(12.25)	(13.38)	(12.86)	(10.23)	(6.78)	(12.01)	(3.22)
N	158	158	164	164	140	140	116	116	177	177
adj. R^2	0.644	0.656	0.669	0.668	0.730	0.727	0.689	0.666	0.663	0.661

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 2.3.1: Fuels Exports and Authoritarianism, Additional Control Variable: Arab League Membership

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509	(11) 2SLS fh0509
lgdp05pw	-0.701***	-0.699***	-0.714***	-0.758***	-0.828***	-0.737***	-0.717***	-0.640***	-0.669***	-0.0423	0.659*
	(-7.23)	(-7.26)	(-7.55)	(-8.45)	(-8.44)	(-6.95)	(-6.62)	(-5.34)	(-7.11)	(-0.26)	(2.01)
fuelpurg	0.0247***	0.0239***	0.0235***	0.0240***	0.0200***	0.0196***	0.0217***	0.0221***	0.0235***	0.0128**	0.000903
	(5.53)	(5.43)	(5.38)	(5.86)	(3.99)	(4.35)	(4.29)	(4.41)	(5.42)	(3.08)	(0.13)
muslpew	0.00637	0.00633	0.00741	0.00623	0.00582	0.00475	0.00789	0.00839	0.00828*	0.00633	0.00415
	(1.60)	(1.61)	(1.90)	(1.62)	(1.45)	(1.24)	(1.77)	(1.88)	(2.14)	(1.97)	(1.31)
peaceidx	-0.215	-0.178	-0.219	-0.160	-0.234	-0.237*	-0.193	-0.245	-0.271*	-0.161	-0.0384
	(-1.82)	(-1.50)	(-1.89)	(-1.31)	(-1.92)	(-2.04)	(-1.51)	(-1.75)	(-2.39)	(-1.64)	(-0.30)
arableag	1.105**	0.888*	1.094**	0.653	1.194**	1.198**	1.393**	1.195**	0.988*	1.160***	1.353***
	(2.75)	(2.21)	(2.86)	(1.62)	(2.85)	(3.07)	(3.15)	(2.73)	(2.57)	(3.55)	(3.79)
milspen		0.0733*									
		(2.37)									
mileap				0.191**							
				(2.73)							
taxgdpdir						-0.0523**					
						(-3.21)					
sal0509								0.0127			
								(1.16)			
corr0509										-1.056***	-2.236***
										(-5.14)	(-4.40)
_cons	8.840***	8.667***	8.941***	9.080***	9.897***	9.589***	8.721***	7.694***	8.483***	3.119*	-2.880
	(10.21)	(9.91)	(10.56)	(11.22)	(10.82)	(10.49)	(8.49)	(6.15)	(10.16)	(2.24)	(-1.03)
N	158	158	164	164	140	140	116	116	173	173	173
adj. R^2	0.498	0.504	0.512	0.532	0.543	0.559	0.548	0.549	0.502	0.607	0.472

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 2.3.2: Fuels Exports and Authoritarianism, Additional Control Variable: Democratic History

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509	(11) 2SLS fh0509
lgdp05pw	-0.256	-0.279*	-0.288*	-0.380**	-0.466**	-0.425**	-0.328*	-0.254	-0.258	0.0419	0.681
	(-1.88)	(-2.07)	(-2.13)	(-2.76)	(-3.35)	(-3.06)	(-2.25)	(-1.77)	(-1.97)	(0.27)	(1.85)
fuelpurg	0.0197***	0.0188***	0.0188***	0.0192***	0.0193***	0.0194***	0.0192***	0.0195***	0.0188***	0.0141***	0.00398
	(4.93)	(4.73)	(4.72)	(4.90)	(4.57)	(4.85)	(4.45)	(4.48)	(4.87)	(3.73)	(0.51)
muslpew	0.00881**	0.00784*	0.0101***	0.00754*	0.00838*	0.00776*	0.0112**	0.0108**	0.0103***	0.0108***	0.0118***
	(2.96)	(2.60)	(3.47)	(2.38)	(2.52)	(2.37)	(3.16)	(3.06)	(3.66)	(4.06)	(3.78)
peaceidx	-0.355**	-0.316**	-0.374**	-0.308*	-0.347**	-0.338**	-0.298*	-0.367**	-0.435***	-0.289*	0.0215
	(-3.08)	(-2.71)	(-3.28)	(-2.54)	(-2.84)	(-2.88)	(-2.36)	(-2.74)	(-3.81)	(-2.53)	(0.11)
demohist	-0.0260***	-0.0249***	-0.0253***	-0.0225***	-0.0188***	-0.0173***	-0.0186***	-0.0178***	-0.0267***	-0.0164**	0.00581
	(-5.08)	(-4.84)	(-4.95)	(-4.30)	(-3.93)	(-3.67)	(-3.95)	(-3.75)	(-5.20)	(-2.79)	(0.49)
milspen		0.0704*									
		(2.07)									
mileap				0.158*							
				(2.49)							
taxgdpdir						-0.0384*					
						(-2.35)					
sal0509								0.0165			
								(1.56)			
corr0509										-0.749**	-2.346**
										(-3.20)	(-2.95)
_cons	5.591***	5.623***	5.830***	6.370***	7.179***	7.141***	5.751***	4.639***	5.521***	2.714*	-3.272
	(5.28)	(5.37)	(5.53)	(6.09)	(6.36)	(6.47)	(4.74)	(3.62)	(5.42)	(2.03)	(-0.99)
N	157	157	164	164	139	139	115	115	173	173	173
adj. R^2	0.565	0.572	0.571	0.586	0.572	0.579	0.578	0.585	0.570	0.609	0.418

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 2.3.3: Fuels Exports and Authoritarianism, Additional Control Variable: Democracy in Neighboring Countries

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509	(11) fh0509
lgdp05pw	-0.450***	-0.471***	-0.483***	-0.562***	-0.622***	-0.579***	-0.482***	-0.426**	-0.455***	0.0463	0.0580
	(-4.10)	(-4.27)	(-4.50)	(-5.33)	(-5.74)	(-5.10)	(-4.05)	(-3.26)	(-4.47)	(0.31)	(0.16)
fuelpurg	0.0221***	0.0215***	0.0211***	0.0212***	0.0209***	0.0210***	0.0211***	0.0214***	0.0202***	0.0125**	0.0124
	(4.97)	(4.91)	(4.85)	(5.12)	(4.38)	(4.50)	(4.34)	(4.42)	(4.77)	(3.28)	(1.92)
muslpew	0.00653	0.00607	0.00851**	0.00568	0.00710	0.00675	0.00957*	0.00957*	0.00875**	0.00884**	0.00884**
	(1.93)	(1.79)	(2.62)	(1.65)	(1.90)	(1.85)	(2.19)	(2.24)	(2.80)	(3.14)	(3.13)
peaceidx	-0.130	-0.110	-0.154	-0.103	-0.145	-0.155	-0.0844	-0.152	-0.165	-0.0909	-0.0892
	(-1.06)	(-0.91)	(-1.27)	(-0.83)	(-1.09)	(-1.22)	(-0.64)	(-1.06)	(-1.43)	(-0.87)	(-0.78)
fh0509ne	0.415***	0.384***	0.383***	0.340***	0.310**	0.273**	0.319**	0.291**	0.410***	0.323***	0.321**
	(4.10)	(3.70)	(3.97)	(3.52)	(3.21)	(2.85)	(2.86)	(2.72)	(4.38)	(3.56)	(2.88)
milspen		0.0556									
		(1.67)									
mileap				0.186**							
				(2.98)							
taxgdpdir						-0.0369*					
						(-2.20)					
sal0509								0.0134			
								(1.36)			
corr0509										-0.903***	-0.924
										(-4.52)	(-1.54)
_cons	5.392***	5.555***	5.744***	6.342***	7.147***	7.218***	5.686***	4.917***	5.377***	1.336	1.242
	(4.74)	(4.85)	(5.20)	(5.77)	(6.36)	(6.54)	(4.58)	(3.42)	(5.18)	(1.06)	(0.43)
N	157	157	164	164	139	139	115	115	173	173	173
adj. R^2	0.540	0.542	0.546	0.568	0.559	0.565	0.561	0.564	0.549	0.623	0.623

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 2.4.1: Fuels Exports and Authoritarianism, New Universe of Cases: Developing Countries Only

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509	(11) 2SLS fh0509
lgdp05pw	-0.291	-0.311*	-0.368*	-0.475**	-0.561***	-0.470**	-0.383*	-0.305	-0.362*	0.0663	1.193
	(-1.93)	(-2.08)	(-2.52)	(-3.29)	(-3.74)	(-3.11)	(-2.45)	(-1.87)	(-2.56)	(0.37)	(1.35)
fuelpurg	0.0191***	0.0177***	0.0185***	0.0184***	0.0180***	0.0178***	0.0169**	0.0174**	0.0196***	0.0131**	-0.00420
	(4.19)	(3.88)	(4.00)	(4.12)	(3.65)	(3.82)	(3.30)	(3.38)	(4.33)	(2.97)	(-0.26)
muslpew	0.00935**	0.00772*	0.0112***	0.00696	0.00976**	0.00833*	0.0131***	0.0129**	0.0117***	0.0120***	0.0125**
	(2.89)	(2.34)	(3.55)	(1.98)	(2.66)	(2.30)	(3.50)	(3.44)	(3.89)	(4.19)	(3.17)
peaceidx	-0.249	-0.218	-0.280*	-0.211	-0.256	-0.258	-0.177	-0.324*	-0.372**	-0.194	0.276
	(-1.79)	(-1.54)	(-2.08)	(-1.48)	(-1.78)	(-1.88)	(-1.24)	(-2.07)	(-2.82)	(-1.59)	(0.73)
milspen		0.0917**									
		(2.64)									
mileap				0.221**							
				(3.14)							
taxgdpdir						-0.0595*					
						(-2.50)					
sal0509								0.0279*			
								(2.19)			
corr0509										-0.989***	-3.593
										(-3.39)	(-1.94)
_cons	5.737***	5.717***	6.294***	6.932***	7.776***	7.537***	6.010***	4.448**	6.096***	2.303	-7.680
	(4.80)	(4.77)	(5.38)	(6.06)	(6.16)	(6.28)	(4.47)	(2.93)	(5.32)	(1.50)	(-1.00)
N	107	107	114	114	90	90	70	70	126	126	126
adj. R^2	0.243	0.267	0.285	0.337	0.316	0.341	0.329	0.353	0.338	0.424	.

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.1.1: Percent Muslim and Authoritarianism, New Dep. Var.: Polity IV Replaces Freedom House Democracy Rating

	(1) polity0509	(2) polity0509	(3) polity0509	(4) polity0509	(5) polity0509	(6) polity0509	(7) polity0509	(8) polity0509	(9) 2SLS polity0509
lgdp05pw	1.075**	0.764	1.382***	0.414	0.845*	0.529	1.224***	1.021**	0.941**
	(2.69)	(1.31)	(3.86)	(0.55)	(2.20)	(1.23)	(3.48)	(3.05)	(2.73)
fuelpurg	-0.0648**	-0.0620**	-0.0901***	-0.0781***	-0.0714**	-0.0654**	-0.0840***	-0.0754***	-0.0720***
	(-2.74)	(-2.65)	(-4.56)	(-3.75)	(-3.31)	(-3.07)	(-4.35)	(-4.46)	(-4.33)
muslpew	-0.0819***	-0.0755***	-0.0565***	-0.0527***	-0.0721***	-0.0584***	-0.0565***	-0.0412**	-0.0353*
	(-4.33)	(-3.75)	(-4.02)	(-3.80)	(-4.87)	(-3.69)	(-4.49)	(-3.16)	(-2.44)
peaceidx	-0.160	-0.155	-0.303	-0.306	0.00830	-0.0193	-0.329	-0.544	-0.628
	(-0.34)	(-0.33)	(-0.61)	(-0.61)	(0.02)	(-0.04)	(-0.72)	(-1.18)	(-1.32)
gem		3.228							
		(0.85)							
gii08old				-7.612					
				(-1.61)					
ggi0609						19.06*			
						(2.11)			
fmin08								0.168***	0.234**
								(4.92)	(3.04)
_cons	-1.761	-0.981	-5.053	7.388	0.0761	-10.30	-4.165	-5.914*	-6.601*
	(-0.47)	(-0.24)	(-1.50)	(0.83)	(0.02)	(-1.79)	(-1.31)	(-2.01)	(-2.15)
N	98	98	130	130	124	124	147	147	147
adj. R^2	0.494	0.491	0.418	0.426	0.441	0.454	0.367	0.445	0.433

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.1.2: Percent Muslim and Authoritarianism, New Indep Var: 90%+ Muslim (Dummy Var.) Replaces % Muslim

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) 2SLS fh0509
lgdp05pw	-0.750***	-0.428**	-0.793***	-0.511**	-0.670***	-0.514***	-0.693***	-0.604***	-0.563***
	(-6.79)	(-3.06)	(-8.36)	(-2.76)	(-6.47)	(-4.75)	(-7.16)	(-6.55)	(-5.81)
fuelpurg	0.0323***	0.0279***	0.0332***	0.0293***	0.0310***	0.0264***	0.0308***	0.0260***	0.0239***
	(4.97)	(4.99)	(6.43)	(5.62)	(5.74)	(5.30)	(6.45)	(6.75)	(6.20)
muslim90	0.724	0.159	0.549	0.497	0.762*	0.338	0.706*	0.438	0.316
	(1.55)	(0.31)	(1.55)	(1.40)	(2.05)	(0.89)	(2.17)	(1.52)	(1.07)
peaceidx	-0.269*	-0.308*	-0.248	-0.250	-0.288*	-0.284*	-0.279*	-0.213	-0.184
	(-2.07)	(-2.29)	(-1.88)	(-1.84)	(-2.21)	(-2.24)	(-2.27)	(-1.78)	(-1.46)
gem		-3.176***							
		(-3.60)							
gii08old				2.220					
				(1.85)					
ggi0609						-8.081**			
						(-3.26)			
fmin08								-0.0561***	-0.0817***
								(-6.98)	(-4.23)
_cons	9.083***	8.097***	9.589***	5.944**	8.452***	12.59***	8.820***	9.129***	9.270***
	(9.01)	(8.08)	(11.09)	(2.69)	(9.00)	(7.59)	(10.43)	(11.75)	(11.26)
N	108	108	138	138	133	133	167	167	167
adj. R^2	0.518	0.548	0.520	0.528	0.474	0.509	0.441	0.543	0.521

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.1.3: Percent Muslim and Authoritarianism, New Indep Var: Islamic Religious Tradit. (Dummy Var.) Replaces % Muslim

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) 2SLS fh0509
lgdp05pw	-0.717***	-0.509***	-0.756***	-0.554**	-0.611***	-0.503***	-0.654***	-0.587***	-0.555***
	(-6.68)	(-4.23)	(-7.91)	(-3.17)	(-5.84)	(-4.78)	(-6.80)	(-6.40)	(-5.84)
fuelpurg	0.0229***	0.0211***	0.0285***	0.0261***	0.0258***	0.0235***	0.0264***	0.0237***	0.0224***
	(4.47)	(4.28)	(6.36)	(5.37)	(4.99)	(4.75)	(5.89)	(6.33)	(6.11)
muslfish	1.447***	1.137**	0.992***	0.916**	1.111***	0.754*	1.081***	0.690**	0.508
	(4.12)	(2.77)	(3.42)	(3.13)	(3.71)	(2.21)	(4.36)	(2.74)	(1.71)
peaceidx	-0.223	-0.246	-0.225	-0.228	-0.274*	-0.275*	-0.224	-0.184	-0.166
	(-1.67)	(-1.88)	(-1.76)	(-1.76)	(-2.15)	(-2.17)	(-1.96)	(-1.64)	(-1.41)
gem		-2.022*							
		(-2.27)							
gii08old				1.615					
				(1.42)					
ggi0609						-6.243*			
						(-2.40)			
fmin08								-0.0515***	-0.0755***
								(-6.04)	(-3.59)
_cons	8.736***	8.083***	9.184***	6.567**	7.841***	11.17***	8.368***	8.819***	9.030***
	(8.79)	(8.57)	(10.39)	(3.15)	(8.15)	(6.04)	(9.84)	(11.19)	(10.71)
N	108	108	138	138	133	133	167	167	167
adj. R^2	0.570	0.580	0.550	0.553	0.507	0.524	0.475	0.557	0.538

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.1.4: Percent Muslim and Authoritarianism, New Indep Var: ln Value Added in Agric % GDP Replaces ln GDP per capita

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) 2SLS fh0509
lagva9005	0.798***	0.617***	0.820***	0.524**	0.672***	0.595***	0.772***	0.646***	0.592***
	(6.22)	(3.92)	(7.16)	(3.16)	(5.75)	(5.10)	(7.04)	(6.54)	(5.03)
fuelpurg	0.0245***	0.0230***	0.0302***	0.0268***	0.0254***	0.0238***	0.0263***	0.0232***	0.0218***
	(5.00)	(4.58)	(6.73)	(5.72)	(4.89)	(4.58)	(5.53)	(5.68)	(5.16)
muslpew	0.0152**	0.0122*	0.0110**	0.00928**	0.0147***	0.0104*	0.0136***	0.00997**	0.00842*
	(3.25)	(2.55)	(3.02)	(2.67)	(3.84)	(2.59)	(3.99)	(3.06)	(2.37)
peaceidx	-0.338*	-0.346**	-0.345**	-0.297*	-0.365**	-0.341*	-0.368**	-0.328**	-0.310**
	(-2.61)	(-2.66)	(-2.65)	(-2.15)	(-2.67)	(-2.53)	(-3.00)	(-2.80)	(-2.63)
gem		-1.687							
		(-1.97)							
gii08old				2.537**					
				(2.70)					
ggi0609						-5.702*			
						(-2.40)			
fmin08								-0.0443***	-0.0633**
								(-5.73)	(-2.76)
_cons	0.321	1.781*	0.433	-0.150	0.692**	4.825**	0.659*	1.893***	2.420***
	(1.17)	(2.25)	(1.66)	(-0.52)	(2.71)	(2.78)	(2.54)	(5.38)	(3.48)
N	105	105	134	134	130	130	163	163	163
adj. R^2	0.613	0.618	0.556	0.575	0.548	0.563	0.514	0.569	0.559

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.1.5: Percent Muslim and Authoritarianism, New Indep Var: ln Agric Empl % EAP Replaces ln GDP per capita

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) 2SLS fh0509
lagem0008	0.657***	0.495**	0.612***	0.433*	0.614***	0.531***	0.617***	0.519***	0.421***
	(5.14)	(2.95)	(4.78)	(2.39)	(5.12)	(4.37)	(5.32)	(4.86)	(3.99)
fuelpurg	0.0234***	0.0225***	0.0261***	0.0243***	0.0275***	0.0264***	0.0267***	0.0257***	0.0247***
	(4.51)	(4.46)	(4.85)	(4.54)	(5.24)	(5.23)	(5.18)	(5.79)	(5.68)
muslpew	0.0169***	0.0135**	0.0143**	0.0124**	0.0149**	0.00888	0.0148***	0.0104*	0.00595
	(3.65)	(2.82)	(3.23)	(3.03)	(3.35)	(1.94)	(3.42)	(2.46)	(1.34)
peaceidx	-0.268*	-0.272*	-0.285*	-0.247	-0.280*	-0.288*	-0.236*	-0.236*	-0.235
	(-2.29)	(-2.32)	(-2.37)	(-1.94)	(-2.36)	(-2.48)	(-2.16)	(-2.19)	(-1.92)
gem		-1.860							
		(-1.95)							
gii08old				1.933*					
				(2.01)					
ggi0609						-7.776***			
						(-3.38)			
fmin08								-0.0404***	-0.0801***
								(-4.30)	(-4.66)
_cons	0.392	1.981*	0.499	0.0595	0.499	6.130***	0.494	1.607***	2.703***
	(1.15)	(2.09)	(1.51)	(0.19)	(1.59)	(3.39)	(1.63)	(3.72)	(4.76)
N	105	105	109	109	114	114	118	118	118
adj. R^2	0.589	0.595	0.577	0.588	0.591	0.618	0.587	0.646	0.586

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.1.6: Percent Muslim and Authoritarianism, New Indep Var: ln Fuels Wealth per capita Replaces Fuels % Exports

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) 2SLS fh0509
lgdp05pw	-0.566***	-0.317*	-0.574***	-0.0927	-0.424***	-0.305*	-0.469***	-0.411***	-0.393***
	(-4.77)	(-2.20)	(-4.53)	(-0.48)	(-3.57)	(-2.56)	(-4.42)	(-4.20)	(-3.87)
oresexp	0.00585	0.00546	-0.000229	0.000500	0.00185	0.00370	-0.00111	0.000534	0.00103
	(0.72)	(0.61)	(-0.03)	(0.07)	(0.27)	(0.55)	(-0.18)	(0.10)	(0.19)
muslpew	0.0274***	0.0215***	0.0200***	0.0161***	0.0235***	0.0170***	0.0222***	0.0161***	0.0143***
	(6.19)	(4.52)	(5.27)	(4.44)	(6.37)	(4.27)	(6.54)	(4.99)	(3.76)
peaceidx	-0.271	-0.296*	-0.303	-0.294	-0.384*	-0.370*	-0.302*	-0.241	-0.223
	(-1.75)	(-1.99)	(-1.93)	(-1.86)	(-2.50)	(-2.47)	(-2.22)	(-1.86)	(-1.69)
gem		-2.598**							
		(-2.63)							
gii08old				4.123***					
				(3.46)					
ggi0609						-7.926**			
						(-3.25)			
fmin08								-0.0568***	-0.0739**
								(-6.28)	(-3.35)
_cons	7.366***	6.714***	7.731***	1.306	6.220***	10.61***	6.844***	7.471***	7.661***
	(6.48)	(6.08)	(6.40)	(0.57)	(5.56)	(6.14)	(7.04)	(8.57)	(8.52)
N	108	108	138	138	133	133	166	166	166
adj. R^2	0.502	0.519	0.424	0.464	0.422	0.452	0.382	0.482	0.473

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.1.7: Percent Muslim and Authoritarianism, New Indep Var: Hard Rock Minerals % Exports Replaces Fuels % Exports

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) 2SLS fh0509
lgdp05pw	-0.566***	-0.317*	-0.574***	-0.0927	-0.424***	-0.305*	-0.469***	-0.411***	-0.393***
	(-4.77)	(-2.20)	(-4.53)	(-0.48)	(-3.57)	(-2.56)	(-4.42)	(-4.20)	(-3.87)
oresexp	0.00585	0.00546	-0.000229	0.000500	0.00185	0.00370	-0.00111	0.000534	0.00103
	(0.72)	(0.61)	(-0.03)	(0.07)	(0.27)	(0.55)	(-0.18)	(0.10)	(0.19)
muslpew	0.0274***	0.0215***	0.0200***	0.0161***	0.0235***	0.0170***	0.0222***	0.0161***	0.0143***
	(6.19)	(4.52)	(5.27)	(4.44)	(6.37)	(4.27)	(6.54)	(4.99)	(3.76)
peaceidx	-0.271	-0.296*	-0.303	-0.294	-0.384*	-0.370*	-0.302*	-0.241	-0.223
	(-1.75)	(-1.99)	(-1.93)	(-1.86)	(-2.50)	(-2.47)	(-2.22)	(-1.86)	(-1.69)
gem		-2.598**							
		(-2.63)							
gii08old				4.123***					
				(3.46)					
ggi0609						-7.926**			
						(-3.25)			
fmin08								-0.0568***	-0.0739**
								(-6.28)	(-3.35)
_cons	7.366***	6.714***	7.731***	1.306	6.220***	10.61***	6.844***	7.471***	7.661***
	(6.48)	(6.08)	(6.40)	(0.57)	(5.56)	(6.14)	(7.04)	(8.57)	(8.52)
N	108	108	138	138	133	133	166	166	166
adj. R^2	0.502	0.519	0.424	0.464	0.422	0.452	0.382	0.482	0.473

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.2.1: Percent Muslim and Authoritarianism, New Statistical Tech.: Robust Regression Replaces Ordinary Least Squares

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509
lgdp05pw	-0.775***	-0.652***	-0.815***	-0.560***	-0.664***	-0.627***	-0.725***	-0.636***
	(-11.57)	(-6.86)	(-9.62)	(-3.79)	(-8.17)	(-7.76)	(-8.72)	(-7.61)
fuelpurg	0.0242***	0.0239***	0.0319***	0.0280***	0.0261***	0.0256***	0.0294***	0.0260***
	(8.06)	(7.58)	(7.93)	(6.67)	(7.40)	(7.71)	(7.67)	(6.75)
muslpew	0.0226***	0.0201***	0.0151***	0.0152***	0.0202***	0.0172***	0.0172***	0.0120***
	(9.82)	(7.51)	(5.48)	(5.67)	(7.78)	(6.37)	(6.22)	(4.21)
peaceidx	-0.162*	-0.191*	-0.174	-0.152	-0.264*	-0.232*	-0.258*	-0.212
	(-2.05)	(-2.34)	(-1.50)	(-1.35)	(-2.60)	(-2.47)	(-2.32)	(-1.91)
gem		-1.261						
		(-1.94)						
gii08old				1.954*				
				(1.99)				
ggi0609						-5.289**		
						(-2.95)		
fmin08								-0.0408***
								(-4.93)
_cons	8.860***	8.556***	9.375***	6.106***	7.925***	11.26***	8.603***	8.786***
	(14.25)	(12.79)	(12.23)	(3.48)	(10.60)	(9.42)	(11.57)	(11.81)
N	108	108	138	138	133	133	170	170
adj. R^2	0.855	0.850	0.702	0.718	0.740	0.787	0.652	0.646

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.3.1: Percent Muslim and Authoritarianism, Additional Control Variable: Arab League Membership

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) 2SLS fh0509
lgdp05pw	-0.714***	-0.560***	-0.788***	-0.615**	-0.628***	-0.549***	-0.672***	-0.603***	-0.603***
	(-6.13)	(-4.13)	(-7.98)	(-3.37)	(-5.96)	(-5.29)	(-6.92)	(-6.42)	(-6.42)
fuelpurg	0.0190***	0.0183***	0.0238***	0.0219***	0.0215***	0.0206***	0.0228***	0.0209***	0.0209***
	(3.67)	(3.61)	(5.38)	(4.51)	(4.38)	(4.23)	(5.24)	(5.79)	(5.79)
muslpew	0.0124*	0.0102	0.00393	0.00366	0.00891*	0.00687	0.00850*	0.00514	0.00514
	(2.53)	(1.89)	(0.99)	(0.90)	(2.02)	(1.47)	(2.18)	(1.37)	(1.37)
peaceidx	-0.282*	-0.292*	-0.248	-0.249	-0.340*	-0.327*	-0.251*	-0.200	-0.200
	(-2.18)	(-2.26)	(-1.97)	(-1.95)	(-2.61)	(-2.53)	(-2.19)	(-1.77)	(-1.77)
arableag	1.084	0.948	1.443***	1.375**	1.153*	0.945*	1.059**	0.828*	0.828*
	(1.76)	(1.47)	(3.38)	(3.13)	(2.39)	(1.98)	(2.68)	(2.34)	(2.34)
gem		-1.503							
		(-1.64)							
gii08old				1.363					
				(1.17)					
ggi0609						-4.352			
						(-1.74)			
fmin08								-0.0495***	0
								(-5.86)	(.)
_cons	8.684***	8.222***	9.507***	7.277**	7.978***	10.27***	8.517***	8.920***	8.920***
	(8.07)	(7.83)	(10.42)	(3.36)	(8.17)	(5.55)	(9.83)	(10.94)	(10.94)
N	108	108	138	138	133	133	166	166	166
adj. R^2	0.585	0.589	0.572	0.573	0.535	0.541	0.492	0.567	0.567

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.3.2: Percent Muslim and Authoritarianism, Additional Control Variable: Democratic History

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) 2SLS fh0509
lgdp05pw	-0.322*	-0.306*	-0.389**	-0.261	-0.220	-0.192	-0.239	-0.294*	-0.313*
	(-2.03)	(-2.14)	(-2.73)	(-1.47)	(-1.58)	(-1.41)	(-1.79)	(-2.28)	(-2.25)
fuelpurg	0.0183***	0.0182***	0.0227***	0.0211***	0.0181***	0.0175***	0.0188***	0.0186***	0.0186***
	(3.92)	(3.94)	(5.29)	(4.73)	(4.41)	(4.23)	(4.92)	(5.17)	(5.19)
muslpew	0.0140***	0.0136**	0.00825**	0.00785*	0.0118***	0.00987**	0.0100***	0.00759*	0.00675*
	(3.71)	(3.26)	(2.65)	(2.50)	(3.52)	(2.63)	(3.42)	(2.57)	(2.09)
peaceidx	-0.379**	-0.379**	-0.346**	-0.344**	-0.419**	-0.408**	-0.417***	-0.336**	-0.308*
	(-2.76)	(-2.74)	(-2.73)	(-2.67)	(-3.36)	(-3.24)	(-3.60)	(-2.90)	(-2.39)
demohist	-0.0184***	-0.0180**	-0.0209***	-0.0202***	-0.0218***	-0.0204***	-0.0273***	-0.0203***	-0.0179*
	(-3.52)	(-2.88)	(-4.13)	(-3.87)	(-4.47)	(-3.86)	(-5.22)	(-4.06)	(-2.44)
gem		-0.239							
		(-0.21)							
gii08old				1.109					
				(1.00)					
ggi0609						-3.051			
						(-1.25)			
fmin08								-0.0371***	-0.0499*
								(-4.71)	(-2.02)
_cons	5.666***	5.654***	6.513***	4.794*	4.928***	6.746**	5.369***	6.442***	6.810***
	(4.45)	(4.48)	(5.74)	(2.47)	(4.40)	(3.24)	(5.16)	(6.27)	(5.21)
N	107	107	138	138	133	133	166	166	166
adj. R^2	0.632	0.629	0.600	0.599	0.589	0.591	0.563	0.599	0.594

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.3.3: Percent Muslim and Authoritarianism, Additional Control Variable: Democracy in Neighboring Countries

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) 2SLS fh0509
lgdp05pw	-0.500***	-0.465***	-0.561***	-0.441*	-0.453***	-0.426***	-0.446***	-0.445***	-0.445***
	(-4.16)	(-3.59)	(-5.10)	(-2.61)	(-4.09)	(-3.86)	(-4.31)	(-4.43)	(-4.44)
fuelpurg	0.0201***	0.0199***	0.0244***	0.0230***	0.0211***	0.0206***	0.0205***	0.0197***	0.0199***
	(4.01)	(3.97)	(5.56)	(4.82)	(4.49)	(4.39)	(4.83)	(5.23)	(5.12)
muslpew	0.00928	0.00874	0.00664	0.00636	0.00993*	0.00864*	0.00829*	0.00597	0.00668
	(1.91)	(1.75)	(1.87)	(1.79)	(2.56)	(2.17)	(2.50)	(1.86)	(1.91)
peaceidx	-0.187	-0.192	-0.163	-0.167	-0.226	-0.231	-0.147	-0.132	-0.137
	(-1.38)	(-1.42)	(-1.21)	(-1.23)	(-1.72)	(-1.78)	(-1.25)	(-1.16)	(-1.21)
fh0509ne	0.397***	0.386**	0.349***	0.335**	0.322**	0.286**	0.420***	0.308**	0.343**
	(3.61)	(3.34)	(3.71)	(3.35)	(3.31)	(2.77)	(4.39)	(3.18)	(2.77)
gem		-0.396							
		(-0.43)							
gii08old				1.016					
				(0.84)					
ggi0609						-2.568			
						(-1.01)			
fmin08								-0.0414***	-0.0286
								(-4.89)	(-1.09)
_cons	5.646***	5.607***	6.437***	4.896*	5.487***	7.114***	5.267***	6.441***	6.079***
	(4.66)	(4.66)	(5.69)	(2.48)	(4.87)	(3.38)	(4.99)	(6.15)	(4.92)
N	107	107	138	138	133	133	166	166	166
adj. R^2	0.641	0.638	0.588	0.587	0.557	0.557	0.542	0.589	0.584

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.4.1: Percent Muslim and Authoritarianism, New Universe of Cases: Developing Countries Only

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509
lgdp05pw	-0.329	-0.351*	-0.441**	-0.690**	-0.259	-0.186	-0.335*	-0.388**	-0.382**
	(-1.83)	(-2.03)	(-2.85)	(-2.90)	(-1.68)	(-1.20)	(-2.31)	(-2.86)	(-2.71)
fuelpurg	0.0176**	0.0177**	0.0234***	0.0262***	0.0178***	0.0156**	0.0194***	0.0177***	0.0179***
	(3.19)	(3.20)	(4.62)	(4.80)	(3.70)	(3.16)	(4.27)	(4.47)	(4.47)
muslpew	0.0150***	0.0156*	0.00869*	0.00948**	0.0134***	0.00838	0.0114***	0.00652*	0.00705
	(3.52)	(2.65)	(2.51)	(2.85)	(3.64)	(1.77)	(3.60)	(2.02)	(1.68)
peaceidx	-0.257	-0.254	-0.229	-0.218	-0.330*	-0.326*	-0.348*	-0.247	-0.257
	(-1.63)	(-1.61)	(-1.51)	(-1.42)	(-2.23)	(-2.29)	(-2.59)	(-1.82)	(-1.82)
gem		0.323							
		(0.16)							
gii08old				-2.749					
				(-1.13)					
ggi0609						-6.904			
						(-1.84)			
fmin08								-0.0619***	-0.0553
								(-5.83)	(-1.62)
_cons	5.555***	5.559***	6.817***	10.60**	5.022***	9.078**	5.904***	7.534***	7.361***
	(3.72)	(3.74)	(5.39)	(3.18)	(3.90)	(3.22)	(5.04)	(6.65)	(4.97)
N	63	63	92	92	85	85	119	119	119
adj. R^2	0.370	0.359	0.292	0.299	0.336	0.356	0.310	0.419	0.417

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.5.1: Percent Muslim and Authoritarianism, Additional Gender Variables Set 1: All Countries

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509	(11) fh0509	(12) fh0509
lgdp05pw	-0.670***	-0.701***	-0.731***	-0.651***	-0.645***	-0.714***	-0.670***	-0.707***	-0.630***	-0.614***	-0.643***	-0.646***
	(-7.21)	(-7.72)	(-7.94)	(-6.96)	(-6.87)	(-7.54)	(-7.21)	(-6.89)	(-6.62)	(-6.38)	(-6.89)	(-6.78)
fuelpurg	0.0263***	0.0243***	0.0257***	0.0262***	0.0263***	0.0258***	0.0263***	0.0267***	0.0260***	0.0258***	0.0261***	0.0261***
	(6.05)	(5.41)	(5.52)	(6.05)	(6.10)	(5.56)	(6.05)	(5.95)	(6.06)	(5.95)	(6.07)	(6.09)
muslpew	0.0128***	0.0104***	0.0105**	0.0130***	0.0127***	0.0113***	0.0128***	0.0126***	0.0134***	0.0131***	0.0132***	0.0133***
	(4.37)	(3.37)	(3.28)	(4.46)	(4.39)	(3.53)	(4.37)	(4.28)	(4.57)	(4.33)	(4.52)	(4.40)
peaceidx	-0.246*	-0.265*	-0.269*	-0.271*	-0.276*	-0.298*	-0.246*	-0.232*	-0.278*	-0.279*	-0.282*	-0.281*
	(-2.17)	(-2.26)	(-2.31)	(-2.35)	(-2.35)	(-2.51)	(-2.17)	(-2.02)	(-2.42)	(-2.45)	(-2.46)	(-2.45)
fpop		-0.114*	-0.0782									
		(-2.57)	(-0.78)									
fmrnat05					-1.278	-0.993						
					(-1.64)	(-0.32)						
sexratio								6.159				
								(0.95)				
u5mrfm										1.106		
										(1.40)		
lifexfm												0.573
												(0.15)
_cons	8.467***	14.54***	12.99*	8.279***	9.539***	9.866**	8.467***	2.319	8.079***	7.008***	8.199***	7.610
	(10.27)	(5.76)	(2.55)	(9.96)	(8.91)	(3.15)	(10.27)	(0.36)	(9.50)	(6.46)	(9.88)	(1.88)
N	173	173	166	174	174	167	173	173	176	176	177	177
adj. R^2	0.500	0.512	0.502	0.497	0.499	0.496	0.500	0.502	0.495	0.498	0.498	0.495

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.5.2: Percent Muslim and Authoritarianism, Additional Gender Variables Set 2: All Countries

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509	(11) fh0509	(12) fh0509
lgdp05pw	-0.419**	-0.361*	-0.746***	-0.823***	-0.643***	-0.644***	-0.669***	-0.677***	-0.674***	-0.636***	-0.454***	-0.546**
	(-3.06)	(-2.17)	(-7.66)	(-7.93)	(-6.92)	(-6.61)	(-7.20)	(-7.41)	(-7.20)	(-4.13)	(-3.44)	(-2.67)
fuelpurg	0.0224***	0.0224***	0.0297***	0.0271***	0.0253***	0.0254***	0.0262***	0.0258***	0.0261***	0.0261***	0.0230***	0.0236***
	(4.69)	(4.66)	(6.83)	(5.71)	(5.77)	(5.66)	(6.04)	(5.68)	(6.01)	(6.00)	(5.12)	(4.87)
muslpew	0.0113***	0.0104**	0.0104**	0.0117***	0.0122***	0.0122***	0.0128***	0.0116***	0.0126***	0.0125***	0.0119***	0.0113***
	(3.62)	(3.03)	(3.18)	(3.64)	(4.15)	(4.06)	(4.37)	(3.55)	(4.29)	(4.26)	(4.16)	(3.64)
peaceidx	-0.333*	-0.323*	-0.189	-0.224	-0.325**	-0.323**	-0.244*	-0.233*	-0.224	-0.220	-0.362**	-0.357**
	(-2.56)	(-2.39)	(-1.46)	(-1.67)	(-2.82)	(-2.74)	(-2.15)	(-1.98)	(-1.92)	(-1.84)	(-2.92)	(-2.89)
fmlit		-0.668										
		(-0.64)										
fmsecond				0.688								
				(1.70)								
fparl08						0.000592						
						(0.05)						
fmlabfor								-0.519				
								(-0.75)				
mmr0308										0.000154		
										(0.33)		
adofert												-0.00343
												(-0.75)
_cons	6.547***	6.659***	9.095***	9.183***	8.191***	8.191***	8.464***	8.951***	8.535***	8.156***	6.790***	7.794***
	(5.78)	(5.76)	(10.08)	(10.18)	(9.92)	(9.90)	(10.26)	(9.11)	(10.22)	(5.62)	(6.25)	(4.01)
N	136	136	144	144	173	173	172	172	166	166	149	149
adj. R^2	0.343	0.339	0.532	0.534	0.497	0.494	0.497	0.496	0.493	0.491	0.386	0.386

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.5.3: Percent Muslim and Authoritarianism, Additional Gender Variables Set 1: Developing Countries Only

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509	(11) fh0509	(12) fh0509
lgdp05pw	-0.379**	-0.473**	-0.502**	-0.438**	-0.364*	-0.459**	-0.438**	-0.418**	-0.438**	-0.326*	-0.438**	-0.302
	(-2.66)	(-3.12)	(-3.21)	(-3.34)	(-2.54)	(-2.99)	(-3.34)	(-2.69)	(-3.34)	(-2.21)	(-3.34)	(-1.91)
fuelpurg	0.0195***	0.0175***	0.0186***	0.0231***	0.0196***	0.0191***	0.0231***	0.0202***	0.0231***	0.0190***	0.0231***	0.0189***
	(4.25)	(3.90)	(3.85)	(5.19)	(4.27)	(3.79)	(5.19)	(4.19)	(5.19)	(4.11)	(5.19)	(4.02)
muslpew	0.0112***	0.00882**	0.00846*	0.0125***	0.0113***	0.00991**	0.0125***	0.0111***	0.0125***	0.0117***	0.0125***	0.00983**
	(3.72)	(2.72)	(2.41)	(4.36)	(3.76)	(2.89)	(4.36)	(3.66)	(4.36)	(3.74)	(4.36)	(2.86)
peaceidx	-0.326*	-0.345**	-0.342*	-0.354**	-0.357**	-0.378**	-0.354**	-0.311*	-0.354**	-0.367**	-0.354**	-0.402**
	(-2.50)	(-2.64)	(-2.59)	(-2.84)	(-2.63)	(-2.79)	(-2.84)	(-2.35)	(-2.84)	(-2.82)	(-2.84)	(-2.86)
fpop		-0.128**	-0.173									
		(-2.81)	(-1.28)									
fmrnat05					-1.241*	-1.418						
					(-2.14)	(-0.37)						
sexratio								6.458				
								(0.73)				
u5mrfm										1.439		
										(1.38)		
lifexfm												-9.092
												(-1.69)
_cons	6.310***	13.55***	16.03*	6.623***	7.405***	8.381*	6.623***	-0.127	6.623***	4.539**	6.623***	15.33**
	(5.50)	(4.42)	(2.25)	(6.09)	(6.14)	(2.04)	(6.09)	(-0.01)	(6.09)	(2.85)	(6.09)	(2.90)
N	122	122	115	152	123	116	152	122	152	125	152	126
adj. R^2	0.319	0.337	0.318	0.384	0.323	0.310	0.384	0.319	0.384	0.343	0.384	0.348

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table 3.5.4: Percent Muslim and Authoritarianism, Additional Gender Variables Set 2: Developing Countries Only

	(1) fh0509	(2) fh0509	(3) fh0509	(4) fh0509	(5) fh0509	(6) fh0509	(7) fh0509	(8) fh0509	(9) fh0509	(10) fh0509
lgdp05pw	-0.438**	-0.417*	-0.454***	-0.382**	-0.438**	-0.376*	-0.457***	-0.251	-0.425**	-0.467*
	(-3.34)	(-2.37)	(-3.38)	(-2.68)	(-3.34)	(-2.55)	(-3.45)	(-1.15)	(-3.17)	(-2.22)
fuelpurg	0.0231***	0.0235***	0.0220***	0.0202***	0.0231***	0.0192***	0.0226***	0.0185***	0.0223***	0.0191***
	(5.19)	(4.49)	(4.85)	(4.30)	(5.19)	(4.09)	(5.03)	(3.99)	(4.97)	(3.93)
muslpew	0.0125***	0.00860*	0.0122***	0.0119***	0.0125***	0.0110**	0.0117***	0.0103**	0.0120***	0.0100**
	(4.36)	(2.35)	(4.18)	(3.67)	(4.36)	(3.14)	(4.07)	(3.32)	(4.21)	(3.16)
peaceidx	-0.354**	-0.211	-0.362**	-0.373**	-0.354**	-0.320*	-0.281*	-0.276*	-0.363**	-0.382**
	(-2.84)	(-1.35)	(-2.88)	(-2.72)	(-2.84)	(-2.34)	(-2.24)	(-2.05)	(-2.92)	(-2.93)
fmsecond		-0.0144								
		(-0.03)								
fparl08				0.00905						
				(0.58)						
fmlabfor						-0.0872				
						(-0.11)				
mmr0308								0.000398		
								(0.79)		
adofert										-0.00581
										(-1.22)
_cons	6.623***	6.656***	6.764***	6.071***	6.623***	6.360***	6.883***	5.166**	6.574***	7.490***
	(6.09)	(5.17)	(6.06)	(5.23)	(6.09)	(4.43)	(6.33)	(2.69)	(5.97)	(3.78)
N	152	97	149	123	152	121	141	115	147	121
adj. R^2	0.384	0.284	0.373	0.341	0.384	0.304	0.349	0.277	0.374	0.329

t statistics in parentheses
* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

4.1. Correlation Matrices

```
log:  /Users/jmcguire/Documents/multicollinearitychecks.smcl
  log type:  smcl
 opened on:   6 Jul 2011, 16:29:57

.
. ***4.1. CORRELATION MATRICES
.
. correlate mena lgdp05pw fuelpurg muslpew peaceidx
(obs=181)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx
-------------+------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1343   1.0000
    fuelpurg |   0.5131   0.1710   1.0000
     muslpew |   0.5760  -0.2167   0.4230   1.0000
    peaceidx |  -0.1470   0.3801  -0.0990  -0.2440   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx milspen
(obs=159)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx  milspen
-------------+---------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1491   1.0000
    fuelpurg |   0.5137   0.1801   1.0000
     muslpew |   0.6012  -0.1779   0.4490   1.0000
    peaceidx |  -0.1189   0.3712  -0.0590  -0.1985   1.0000
     milspen |   0.4186  -0.0346   0.2627   0.2939  -0.1735   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx mileap
(obs=165)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx   mileap
-------------+---------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1460   1.0000
    fuelpurg |   0.5052   0.1894   1.0000
     muslpew |   0.5804  -0.2038   0.4152   1.0000
    peaceidx |  -0.1245   0.3880  -0.0567  -0.2139   1.0000
      mileap |   0.5502   0.0857   0.2371   0.3778  -0.1491   1.0000
```

```
. correlate mena lgdp05pw fuelpurg muslpew peaceidx taxgdpdir
(obs=141)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx taxgdp~r
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.0373   1.0000
    fuelpurg |   0.4690   0.0746   1.0000
     muslpew |   0.5844  -0.2995   0.3861   1.0000
    peaceidx |  -0.1678   0.3856  -0.1244  -0.2541   1.0000
   taxgdpdir |  -0.0493   0.4203  -0.0576  -0.2640   0.1809   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx corr0509
(obs=181)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx corr0509
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1343   1.0000
    fuelpurg |   0.5131   0.1710   1.0000
     muslpew |   0.5760  -0.2167   0.4230   1.0000
    peaceidx |  -0.1470   0.3801  -0.0990  -0.2440   1.0000
    corr0509 |  -0.0203   0.7419  -0.1648  -0.3311   0.4177   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx sal0509
(obs=118)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx  sal0509
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.0942   1.0000
    fuelpurg |   0.3755   0.1074   1.0000
     muslpew |   0.6072  -0.2794   0.3700   1.0000
    peaceidx |  -0.1725   0.3615  -0.1032  -0.2536   1.0000
     sal0509 |   0.2116  -0.4029  -0.0803   0.1339   0.1416   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx subs0509
(obs=118)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx subs0509
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.0942   1.0000
    fuelpurg |   0.3755   0.1074   1.0000
     muslpew |   0.6072  -0.2794   0.3700   1.0000
    peaceidx |  -0.1725   0.3615  -0.1032  -0.2536   1.0000
    subs0509 |  -0.1141   0.4856   0.0949  -0.2849   0.0395   1.0000
```

```
. correlate mena lgdp05pw fuelpurg muslpew peaceidx gem
(obs=108)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx      gem
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.0729   1.0000
    fuelpurg |   0.5927   0.0953   1.0000
     muslpew |   0.7072  -0.1479   0.5755   1.0000
    peaceidx |  -0.1815   0.3685  -0.0940  -0.2249   1.0000
         gem |  -0.3855   0.6485  -0.2932  -0.5475   0.2751   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx gii08old
(obs=138)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx gii08old
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1168   1.0000
    fuelpurg |   0.5710   0.1472   1.0000
     muslpew |   0.6323  -0.2115   0.4434   1.0000
    peaceidx |  -0.1474   0.3906  -0.0845  -0.2236   1.0000
    gii08old |   0.1397  -0.8259   0.1454   0.3698  -0.3622   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx ggi0609
(obs=133)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx  ggi0609
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.0974   1.0000
    fuelpurg |   0.5167   0.1197   1.0000
     muslpew |   0.6383  -0.2295   0.4647   1.0000
    peaceidx |  -0.1101   0.3443  -0.0801  -0.1354   1.0000
     ggi0609 |  -0.4873   0.4201  -0.3281  -0.6045   0.2053   1.0000

. correlate mena lgdp05pw fuelpurg muslpew peaceidx fmin08
(obs=171)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx   fmin08
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1421   1.0000
    fuelpurg |   0.5090   0.1852   1.0000
     muslpew |   0.5942  -0.1785   0.4377   1.0000
    peaceidx |  -0.1414   0.3568  -0.0869  -0.2210   1.0000
      fmin08 |  -0.3134   0.1923  -0.2348  -0.3842   0.2092   1.0000
```

```
. correlate mena lgdp05pw fuelpurg muslpew peaceidx fpop
(obs=176)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx     fpop
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1395   1.0000
    fuelpurg |   0.5108   0.1792   1.0000
     muslpew |   0.5741  -0.2147   0.4170   1.0000
    peaceidx |  -0.1394   0.3818  -0.0847  -0.2292   1.0000
        fpop |  -0.5078  -0.1239  -0.3656  -0.3808  -0.0258   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx fmrnat05
(obs=176)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx fmrnat05
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1448   1.0000
    fuelpurg |   0.5108   0.1876   1.0000
     muslpew |   0.5741  -0.2056   0.4170   1.0000
    peaceidx |  -0.1395   0.3681  -0.0851  -0.2296   1.0000
    fmrnat05 |  -0.0752   0.0656   0.0051  -0.0828  -0.0019   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx sexratio
(obs=176)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx sexratio
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1395   1.0000
    fuelpurg |   0.5108   0.1792   1.0000
     muslpew |   0.5741  -0.2147   0.4170   1.0000
    peaceidx |  -0.1394   0.3818  -0.0847  -0.2292   1.0000
    sexratio |  -0.0179   0.2604   0.0025  -0.0359   0.0328   1.0000
```

```
. correlate mena lgdp05pw fuelpurg muslpew peaceidx u5mrfm
(obs=177)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx   u5mrfm
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1436   1.0000
    fuelpurg |   0.5113   0.1858   1.0000
     muslpew |   0.5745  -0.2169   0.4186   1.0000
    peaceidx |  -0.1460   0.3553  -0.0950  -0.2420   1.0000
      u5mrfm |   0.0317  -0.1324   0.0548   0.1389  -0.0657   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx lifexfm
(obs=181)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx  lifexfm
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1343   1.0000
    fuelpurg |   0.5131   0.1710   1.0000
     muslpew |   0.5760  -0.2167   0.4230   1.0000
    peaceidx |  -0.1470   0.3801  -0.0990  -0.2440   1.0000
     lifexfm |  -0.1969   0.2497  -0.0126  -0.2496   0.0883   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx fmlit
(obs=137)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx    fmlit
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.2335   1.0000
    fuelpurg |   0.5340   0.3076   1.0000
     muslpew |   0.6109  -0.0644   0.4402   1.0000
    peaceidx |  -0.0839   0.3647  -0.0598  -0.1380   1.0000
       fmlit |  -0.0681   0.6288   0.0445  -0.3658   0.3338   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx fmsecond
(obs=145)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx fmsecond
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1064   1.0000
    fuelpurg |   0.5454   0.1682   1.0000
     muslpew |   0.6290  -0.1991   0.4585   1.0000
    peaceidx |  -0.1591   0.3986  -0.0729  -0.2277   1.0000
    fmsecond |  -0.0557   0.6108   0.2937  -0.2097   0.3547   1.0000
```

```
. correlate mena lgdp05pw fuelpurg muslpew peaceidx fparl08
(obs=174)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx  fparl08
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1505   1.0000
    fuelpurg |   0.5452   0.1606   1.0000
     muslpew |   0.5960  -0.2215   0.4068   1.0000
    peaceidx |  -0.1386   0.3592  -0.1245  -0.2545   1.0000
     fparl08 |  -0.2920   0.1981  -0.1752  -0.3169  -0.0113   1.0000

. correlate mena lgdp05pw fuelpurg muslpew peaceidx fmlabfor
(obs=175)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx fmlabfor
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1410   1.0000
    fuelpurg |   0.5103   0.1817   1.0000
     muslpew |   0.5737  -0.2126   0.4157   1.0000
    peaceidx |  -0.1379   0.3796  -0.0820  -0.2263   1.0000
    fmlabfor |  -0.6212   0.0116  -0.3321  -0.4891   0.1682   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx mmr0308
(obs=167)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx  mmr0308
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.1490   1.0000
    fuelpurg |   0.5063   0.1945   1.0000
     muslpew |   0.5704  -0.2066   0.4049   1.0000
    peaceidx |  -0.1244   0.3780  -0.0567  -0.1998   1.0000
     mmr0308 |  -0.1758  -0.7450  -0.1135   0.2230  -0.3435   1.0000


. correlate mena lgdp05pw fuelpurg muslpew peaceidx adofert
(obs=151)

             |     mena lgdp05pw fuelpurg  muslpew peaceidx  adofert
-------------+------------------------------------------------------
        mena |   1.0000
    lgdp05pw |   0.2375   1.0000
    fuelpurg |   0.5294   0.3018   1.0000
     muslpew |   0.5826  -0.0941   0.4039   1.0000
    peaceidx |  -0.0856   0.3945  -0.0731  -0.2112   1.0000
     adofert |  -0.2807  -0.6123  -0.1583  -0.0564  -0.2198   1.0000
```

4.2. Variance Inflation Factors

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx, r

Linear regression                                       Number of obs =     177
                                                        F(  4,   172) =   42.87
                                                        Prob > F      =  0.0000
                                                        R-squared     =  0.5097
                                                        Root MSE      =  1.3456

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.6426261   .0933134    -6.89   0.000    -.8268131   -.4584392
    fuelpurg |   .0261186   .0043061     6.07   0.000     .0176191    .0346181
     muslpew |    .013186   .0029194     4.52   0.000     .0074235    .0189485
    peaceidx |  -.2820113     .11449    -2.46   0.015    -.5079976    -.056025
       _cons |   8.198529   .8301503     9.88   0.000     6.559935    9.837123
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
     muslpew |      1.37    0.730643
    fuelpurg |      1.36    0.737784
    lgdp05pw |      1.33    0.753914
    peaceidx |      1.21    0.824564
-------------+----------------------
    Mean VIF |      1.32
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx mena, r

Linear regression                               Number of obs =     177
                                                F(  5,   171) =   34.70
                                                Prob > F      =  0.0000
                                                R-squared     =  0.5129
                                                Root MSE      =  1.3452

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.6715268    .098175    -6.84   0.000    -.8653179   -.4777358
    fuelpurg |   .0247244    .004564     5.42   0.000     .0157153    .0337335
     muslpew |   .0112336   .0036187     3.10   0.002     .0040905    .0183767
    peaceidx |  -.2664332   .1189842    -2.24   0.026    -.5013002   -.0315662
        mena |   .4707085   .4385811     1.07   0.285    -.3950216    1.336439
       _cons |   8.474206   .8782382     9.65   0.000     6.740622    10.20779
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
        mena |      1.86    0.538423
     muslpew |      1.83    0.546406
    fuelpurg |      1.47    0.679349
    lgdp05pw |      1.43    0.698754
    peaceidx |      1.23    0.814072
-------------+----------------------
    Mean VIF |      1.56
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx milspen, r

Linear regression                                       Number of obs =     158
                                                        F(  5,   152) =   35.97
                                                        Prob > F      =  0.0000
                                                        R-squared     =  0.5115
                                                        Root MSE      =  1.3504

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.6672296   .0950247    -7.02   0.000    -.8549694   -.4794899
    fuelpurg |   .0255915   .0044036     5.81   0.000     .0168914    .0342916
     muslpew |   .0104598   .0031328     3.34   0.001     .0042702    .0166493
    peaceidx |  -.1597866   .1207332    -1.32   0.188    -.3983184    .0787452
     milspen |   .0950735   .0318054     2.99   0.003     .0322357    .1579113
       _cons |   8.301492   .8597196     9.66   0.000     6.602949    10.00003
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
     muslpew |      1.43    0.698147
    fuelpurg |      1.41    0.710448
    lgdp05pw |      1.31    0.762519
    peaceidx |      1.23    0.816114
     milspen |      1.15    0.872720
-------------+----------------------
    Mean VIF |      1.30
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx mileap, r

Linear regression                                       Number of obs =     164
                                                        F(  5,   158) =   43.43
                                                        Prob > F      =  0.0000
                                                        R-squared     =  0.5433
                                                        Root MSE      =  1.3175

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |   -.747186   .0891864    -8.38   0.000    -.9233375   -.5710346
    fuelpurg |   .0253574   .0041071     6.17   0.000     .0172456    .0334693
     muslpew |   .0089225   .0033294     2.68   0.008     .0023467    .0154984
    peaceidx |  -.1489582   .1242474    -1.20   0.232    -.3943582    .0964418
      mileap |   .2253709   .0657641     3.43   0.001     .0954807    .3552612
       _cons |   8.908451   .7993128    11.15   0.000     7.329735    10.48717
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
     muslpew |      1.53    0.653347
    lgdp05pw |      1.40    0.712416
    fuelpurg |      1.34    0.744298
    peaceidx |      1.25    0.799606
      mileap |      1.23    0.813206
-------------+----------------------
    Mean VIF |      1.35
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx taxgdpdir, r

Linear regression                                       Number of obs =     140
                                                        F(  5,   134) =   43.25
                                                        Prob > F      =  0.0000
                                                        R-squared     =  0.5571
                                                        Root MSE      =  1.2278

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.7094519   .1041763    -6.81   0.000    -.9154946   -.5034093
    fuelpurg |   .0236263   .0044037     5.37   0.000     .0149166     .032336
     muslpew |     .00931   .0033841     2.75   0.007     .0026169    .0160032
    peaceidx |  -.2223208   .1223235    -1.82   0.071    -.4642554    .0196139
   taxgdpdir |  -.0520236    .016995    -3.06   0.003    -.0856367   -.0184104
       _cons |    9.29411    .895086    10.38   0.000     7.523786    11.06443
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
    lgdp05pw |      1.48    0.674074
     muslpew |      1.38    0.725000
    fuelpurg |      1.25    0.800213
   taxgdpdir |      1.24    0.807808
    peaceidx |      1.21    0.825207
-------------+----------------------
    Mean VIF |      1.31
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx corr0509, r

Linear regression                                       Number of obs =     177
                                                        F(  5,   171) =   68.07
                                                        Prob > F      =  0.0000
                                                        R-squared     =  0.6068
                                                        Root MSE      =  1.2085

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.0307579   .1588138    -0.19   0.847    -.3442458    .2827301
    fuelpurg |   .0157529   .0041569     3.79   0.000     .0075474    .0239585
     muslpew |   .0123515   .0026976     4.58   0.000     .0070265    .0176765
    peaceidx |  -.1652515   .0996227    -1.66   0.099    -.3619001    .0313971
    corr0509 |  -1.000671   .1935611    -5.17   0.000    -1.382748    -.618594
       _cons |   2.966739   1.370492     2.16   0.032     .2614794    5.671999
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
    lgdp05pw |      2.87    0.348913
    corr0509 |      2.80    0.357732
    fuelpurg |      1.57    0.638235
     muslpew |      1.37    0.729170
    peaceidx |      1.24    0.805434
-------------+----------------------
    Mean VIF |      1.97
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx sal0509, r

Linear regression                                       Number of obs =     116
                                                        F(  5,   110) =   31.75
                                                        Prob > F      =  0.0000
                                                        R-squared     =  0.5528
                                                        Root MSE      =  1.1603

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.5402489   .1213514    -4.45   0.000    -.7807389   -.2997588
    fuelpurg |   .0238236    .005199     4.58   0.000     .0135204    .0341268
     muslpew |   .0135126   .0036626     3.69   0.000     .0062542    .0207711
    peaceidx |  -.2474281   .1418914    -1.74   0.084    -.5286236    .0337674
     sal0509 |    .020843   .0110161     1.89   0.061    -.0009883    .0426744
       _cons |   6.544844   1.267022     5.17   0.000     4.033905    9.055784
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
    lgdp05pw |      1.64    0.610007
     sal0509 |      1.38    0.722473
     muslpew |      1.34    0.748196
    peaceidx |      1.33    0.750008
    fuelpurg |      1.24    0.807122
-------------+----------------------
    Mean VIF |      1.39
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx subs0509, r

Linear regression                                       Number of obs =     116
                                                        F(  5,   110) =   45.70
                                                        Prob > F      =  0.0000
                                                        R-squared     =  0.5795
                                                        Root MSE      =  1.1252

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |   -.463802   .1216286    -3.81   0.000    -.7048413   -.2227626
    fuelpurg |   .0254315   .0046114     5.51   0.000     .0162928    .0345703
     muslpew |   .0112154   .0037591     2.98   0.004     .0037658     .018665
    peaceidx |   -.234171   .1336651    -1.75   0.083    -.4990638    .0307218
    subs0509 |  -.0209431   .0071112    -2.95   0.004    -.0350359   -.0068503
       _cons |   7.259588   .9924439     7.31   0.000     5.292797    9.226378
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
    lgdp05pw |      1.65    0.604921
    subs0509 |      1.50    0.665566
     muslpew |      1.41    0.707835
    fuelpurg |      1.25    0.798078
    peaceidx |      1.22    0.819146
-------------+----------------------
    Mean VIF |      1.41
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx gem, r

Linear regression                                       Number of obs =     108
                                                        F(  5,   102) =   24.50
                                                        Prob > F      =  0.0000
                                                        R-squared     =  0.6010
                                                        Root MSE      =  1.1198

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.5109112   .1243304    -4.11   0.000    -.7575199   -.2643025
    fuelpurg |   .0214987   .0050977     4.22   0.000     .0113874      .03161
     muslpew |   .0133771   .0047288     2.83   0.006     .0039975    .0227567
    peaceidx |  -.2542923   .1293385    -1.97   0.052    -.5108347    .0022501
         gem |  -1.839603   .9069569    -2.03   0.045    -3.638548   -.0406587
       _cons |   7.938663   .9796867     8.10   0.000     5.995459    9.881867
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
         gem |      2.80    0.357646
    lgdp05pw |      2.31    0.432833
     muslpew |      2.05    0.488063
    fuelpurg |      1.62    0.615531
    peaceidx |      1.21    0.827556
-------------+----------------------
    Mean VIF |      2.00
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx gii08old, r

Linear regression                               Number of obs =     138
                                                F(  5,   132) =   38.96
                                                Prob > F      =  0.0000
                                                R-squared     =  0.5648
                                                Root MSE      =  1.2642

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.5208502   .1782853    -2.92   0.004    -.8735162   -.1681842
    fuelpurg |   .0262424   .0048926     5.36   0.000     .0165643    .0359205
     muslpew |   .0096912   .0033541     2.89   0.005     .0030564    .0163259
    peaceidx |   -.229103   .1324993    -1.73   0.086    -.4911997    .0329937
    gii08old |   1.823752   1.150215     1.59   0.115    -.4514868    4.098991
       _cons |   6.132934   2.116982     2.90   0.004     1.945334    10.32053
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
    lgdp05pw |      4.29    0.233359
    gii08old |      4.18    0.239093
    fuelpurg |      1.58    0.633417
     muslpew |      1.43    0.701258
    peaceidx |      1.22    0.819497
-------------+----------------------
    Mean VIF |      2.54
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx ggi0609, r

Linear regression                                       Number of obs =     133
                                                        F(  5,   127) =   27.49
                                                        Prob > F      =  0.0000
                                                        R-squared     =  0.5491
                                                        Root MSE      =  1.2409

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.4946056   .1049267    -4.71   0.000    -.7022367   -.2869746
    fuelpurg |   .0226048   .0048205     4.69   0.000     .0130659    .0321437
     muslpew |   .0104701   .0038977     2.69   0.008     .0027573    .0181829
    peaceidx |  -.2926133   .1276307    -2.29   0.024    -.5451715   -.0400552
     ggi0609 |   -5.67195   2.489674    -2.28   0.024    -10.59856   -.7453347
       _cons |   10.64898   1.816529     5.86   0.000     7.054393    14.24356
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
     ggi0609 |      1.88    0.532729
     muslpew |      1.81    0.551243
    lgdp05pw |      1.49    0.673071
    fuelpurg |      1.43    0.697808
    peaceidx |      1.15    0.866025
-------------+----------------------
    Mean VIF |      1.55
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx lifexfm, r

Linear regression                                       Number of obs =     177
                                                        F(  5,   171) =   34.22
                                                        Prob > F      =  0.0000
                                                        R-squared     =  0.5098
                                                        Root MSE      =  1.3494

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |   -.645958   .0952773    -6.78   0.000    -.8340292   -.4578869
    fuelpurg |   .0260868   .0042831     6.09   0.000     .0176322    .0345413
     muslpew |   .0133135   .0030267     4.40   0.000      .007339    .0192881
    peaceidx |   -.281288    .114587    -2.45   0.015    -.5074752   -.0551009
     lifexfm |   .5731637   3.822147     0.15   0.881    -6.971502    8.117829
       _cons |   7.609931   4.057286     1.88   0.062    -.3988843    15.61875
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
     muslpew |      1.43    0.697599
    lgdp05pw |      1.37    0.728739
    fuelpurg |      1.36    0.736697
    peaceidx |      1.21    0.823811
     lifexfm |      1.12    0.891406
-------------+----------------------
    Mean VIF |      1.30
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx fmin08, r

Linear regression                                       Number of obs =     170
                                                        F(  5,   164) =   68.92
                                                        Prob > F      =  0.0000
                                                        R-squared     =  0.5810
                                                        Root MSE      =  1.2494

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.5660169   .0904761    -6.26   0.000    -.7446651   -.3873687
    fuelpurg |   .0231682   .0036494     6.35   0.000     .0159623    .0303741
     muslpew |   .0086932   .0030013     2.90   0.004      .002767    .0146193
    peaceidx |  -.2079224   .1144852    -1.82   0.071    -.4339774    .0181327
      fmin08 |  -.0516074   .0084294    -6.12   0.000    -.0682516   -.0349632
       _cons |   8.604555   .7850366    10.96   0.000     7.054473    10.15464
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
     muslpew |      1.47    0.680961
    fuelpurg |      1.39    0.720121
    lgdp05pw |      1.32    0.756305
      fmin08 |      1.22    0.816527
    peaceidx |      1.21    0.827509
-------------+----------------------
    Mean VIF |      1.32
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx mmr0308, r

Linear regression                                       Number of obs =     166
                                                        F(  5,   160) =   31.44
                                                        Prob > F      =  0.0000
                                                        R-squared     =  0.5060
                                                        Root MSE      =  1.3607

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.6361443   .1540433    -4.13   0.000    -.9403646    -.331924
    fuelpurg |   .0261312   .0043582     6.00   0.000     .0175242    .0347382
     muslpew |   .0124823   .0029288     4.26   0.000     .0066982    .0182665
    peaceidx |  -.2198161   .1195715    -1.84   0.068     -.455958    .0163259
     mmr0308 |   .0001539   .0004687     0.33   0.743    -.0007717    .0010796
       _cons |   8.155611   1.450791     5.62   0.000     5.290442    11.02078
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
    lgdp05pw |      2.53    0.395405
     mmr0308 |      2.32    0.431271
     muslpew |      1.35    0.740401
    fuelpurg |      1.33    0.749720
    peaceidx |      1.22    0.822748
-------------+----------------------
    Mean VIF |      1.75
```

```
. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx adofert, r

Linear regression                               Number of obs =     149
                                                F(  5,   143) =   18.08
                                                Prob > F      =  0.0000
                                                R-squared     =  0.4071
                                                Root MSE      =  1.3984

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.5461572   .2049286    -2.67   0.009     -.951238   -.1410764
    fuelpurg |   .0236387   .0048515     4.87   0.000     .0140488    .0332285
     muslpew |   .0112963   .0031018     3.64   0.000      .005165    .0174276
    peaceidx |  -.3568868   .1235984    -2.89   0.004    -.6012029   -.1125708
     adofert |  -.0034331   .0045882    -0.75   0.456    -.0125026    .0056363
       _cons |   7.794313   1.943523     4.01   0.000     3.952567    11.63606
------------------------------------------------------------------------------

. vif

    Variable |       VIF       1/VIF
-------------+----------------------
    lgdp05pw |      2.19    0.456327
     adofert |      1.67    0.598878
    fuelpurg |      1.45    0.690262
     muslpew |      1.33    0.752237
    peaceidx |      1.26    0.791819
-------------+----------------------
    Mean VIF |      1.58

.
. log close
      log:  /Users/jmcguire/Documents/multicollinearitychecks.smcl
  log type:  smcl
 closed on:   6 Jul 2011, 16:29:58
-------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------
```

5. Endogeneity: Instrumental Variables Implemented through Two-Stage Least Squares

```
log:  /Users/jmcguire/Documents/endogeneity.smcl
  log type:  smcl
 opened on:  12 Jul 2011, 12:08:54

.
. ***8.1. 2SLS results, Hausman test for Model 2.8, control of corruption in neighboring countries instrume
> nts for control of corruption
.
. correlate corr0509 corr0509ne
(obs=185)

             | corr0509 corr05~e
-------------+------------------
    corr0509 |   1.0000
  corr0509ne |   0.5472   1.0000


. ivreg fh0509 lgdp05pw fuelpurg muslpew peaceidx (corr0509 = corr0509ne), first

First-stage regressions
-----------------------

      Source |       SS       df       MS              Number of obs =     173
-------------+------------------------------           F(  5,   167) =   66.65
       Model |  107.079839     5  21.4159679           Prob > F      =  0.0000
    Residual |  53.6575095   167  .321302452           R-squared     =  0.6662
-------------+------------------------------           Adj R-squared =  0.6562
       Total |  160.737349   172   .93451947           Root MSE      =  .56684

------------------------------------------------------------------------------
    corr0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |   .5229308   .0460132    11.36   0.000     .4320882    .6137733
    fuelpurg |  -.0083375   .0019477    -4.28   0.000    -.0121827   -.0044923
     muslpew |  -.0011052   .0013474    -0.82   0.413    -.0037654     .001555
    peaceidx |   .0888948   .0555573     1.60   0.111    -.0207905      .19858
  corr0509ne |   .2147094    .056632     3.79   0.000     .1029026    .3265163
       _cons |  -4.482872   .4063243   -11.03   0.000    -5.285066   -3.680677
------------------------------------------------------------------------------
```

```
Instrumental variables (2SLS) regression

      Source |       SS       df       MS              Number of obs =     173
-------------+------------------------------           F(  5,   167) =   34.36
       Model |   296.77255     5    59.35451           Prob > F      =  0.0000
    Residual |   322.02225   167  1.92827695           R-squared     =  0.4796
-------------+------------------------------           Adj R-squared =  0.4640
       Total |    618.7948   172  3.59764419           Root MSE      =  1.3886

------------------------------------------------------------------------------
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    corr0509 |  -2.150666   .6461573    -3.33   0.001    -3.426356   -.8749765
    lgdp05pw |   .6475212   .4000744     1.62   0.107     -.142334    1.437376
    fuelpurg |   .0044401   .0078538     0.57   0.573    -.0110655    .0199456
     muslpew |   .0113164   .0033623     3.37   0.001     .0046783    .0179546
    peaceidx |  -.0363606   .1518015    -0.24   0.811    -.3360579    .2633367
       _cons |  -2.850187   3.436231    -0.83   0.408    -9.634238    3.933863
------------------------------------------------------------------------------
Instrumented:  corr0509
Instruments:   lgdp05pw fuelpurg muslpew peaceidx corr0509ne
------------------------------------------------------------------------------

. estimates store ivcorr0509ne

. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx corr0509

      Source |       SS       df       MS              Number of obs =     177
-------------+------------------------------           F(  5,   171) =   52.78
       Model |  385.466551     5  77.0933102           Prob > F      =  0.0000
    Residual |  249.760231   171  1.46058615           R-squared     =  0.6068
-------------+------------------------------           Adj R-squared =  0.5953
       Total |  635.226782   176  3.60924308           Root MSE      =  1.2085

------------------------------------------------------------------------------
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.0307579   .1284671    -0.24   0.811    -.2843435    .2228277
    fuelpurg |   .0157529   .0043425     3.63   0.000      .007181    .0243248
     muslpew |   .0123515   .0028597     4.32   0.000     .0067067    .0179963
    peaceidx |  -.1652515   .1179624    -1.40   0.163    -.3981015    .0675985
    corr0509 |  -1.000671     .15399    -6.50   0.000    -1.304637   -.6967047
       _cons |   2.966739    1.12108     2.65   0.009      .753801    5.179678
------------------------------------------------------------------------------
```

```
. hausman ivcorr0509ne, constant sigmamore df(1)

Note: the rank of the differenced variance matrix (4) does not equal the number of coefficients being
       tested (6); be sure this is what you expect, or there may be problems computing the test.  Examine
       the output of your estimators for anything unexpected and possibly consider scaling your variables
       so that the coefficients are on a similar scale.

                ---- Coefficients ----
             |      (b)          (B)            (b-B)     sqrt(diag(V_b-V_B))
             |  ivcorr0509ne      .          Difference          S.E.
-------------+------------------------------------------------------------
    corr0509 |   -2.150666    -1.000671       -1.149995        .5408695
    lgdp05pw |    .6475212    -.0307579        .6782791        .3236268
    fuelpurg |    .0044401     .0157529       -.0113129        .0052787
     muslpew |    .0113164     .0123515        -.001035        .0006209
    peaceidx |   -.0363606    -.1652515        .1288909        .0594935
       _cons |   -2.850187     2.966739       -5.816927        2.772541
------------------------------------------------------------------------------
                           b = consistent under Ho and Ha; obtained from ivreg
         B = inconsistent under Ha, efficient under Ho; obtained from regress

    Test:  Ho:  difference in coefficients not systematic

                chi2(1) = (b-B)'[(V_b-V_B)^(-1)](b-B)
                        =        5.62
              Prob>chi2 =      0.0178
```

```
. ***8.2. 2SLS results, Hausman test for Model 3.10, with female share of ministerial positions in neighbor
> ing countries instrumenting for female share of ministerial positions
. correlate fmin08 fmin08ne
(obs=180)

             |   fmin08 fmin08ne
-------------+------------------
      fmin08 |   1.0000
    fmin08ne |   0.4982   1.0000


. ivreg fh0509 lgdp05pw fuelpurg muslpew peaceidx (fmin08 = fmin08ne), first

First-stage regressions
-----------------------

      Source |       SS       df       MS              Number of obs =     166
-------------+------------------------------           F(  5,   160) =   18.22
       Model |  8067.50184     5  1613.50037           Prob > F      =  0.0000
    Residual |  14165.2692   160  88.5329328           R-squared     =  0.3629
-------------+------------------------------           Adj R-squared =  0.3430
       Total |  22232.7711   165  134.744067           Root MSE      =  9.4092

------------------------------------------------------------------------------
      fmin08 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |   .3332311   .7079962     0.47   0.639    -1.064992    1.731454
    fuelpurg |  -.0435722   .0320709    -1.36   0.176    -.1069092    .0197647
     muslpew |  -.0375945   .0242624    -1.55   0.123    -.0855104    .0103214
    peaceidx |   .7854567   .9333644     0.84   0.401    -1.057846    2.628759
    fmin08ne |   .6166018   .0895355     6.89   0.000     .4397781    .7934256
       _cons |   6.051849    6.22843     0.97   0.333    -6.248687    18.35239
------------------------------------------------------------------------------
```

```
Instrumental variables (2SLS) regression

      Source |       SS       df       MS              Number of obs =     166
-------------+------------------------------           F(  5,   160) =   38.29
       Model |  333.330215     5   66.666043           Prob > F      =  0.0000
    Residual |  261.251233   160  1.63282021           R-squared     =  0.5606
-------------+------------------------------           Adj R-squared =  0.5469
       Total |  594.581448   165  3.60352393           Root MSE      =  1.2778

------------------------------------------------------------------------------
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      fmin08 |   -.070715     .01972    -3.59   0.000    -.1096601     -.03177
    lgdp05pw |  -.5468486   .0975833    -5.60   0.000    -.7395661   -.3541312
    fuelpurg |   .0217807   .0044648     4.88   0.000     .0129633    .0305982
     muslpew |   .0071888   .0035976     2.00   0.047     .0000839    .0142936
    peaceidx |  -.1740817   .1282251    -1.36   0.176    -.4273136    .0791502
       _cons |   8.830174   .8645874    10.21   0.000     7.122699    10.53765
------------------------------------------------------------------------------
Instrumented:  fmin08
Instruments:   lgdp05pw fuelpurg muslpew peaceidx fmin08ne
------------------------------------------------------------------------------

. estimates store ivfmin08ne

. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx fmin08 if fmin08ne ~=.

      Source |       SS       df       MS              Number of obs =     166
-------------+------------------------------           F(  5,   160) =   42.78
       Model |  340.156899     5  68.0313797           Prob > F      =  0.0000
    Residual |  254.424549   160  1.59015343           R-squared     =  0.5721
-------------+------------------------------           Adj R-squared =  0.5587
       Total |  594.581448   165  3.60352393           Root MSE      =   1.261

------------------------------------------------------------------------------
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.5707237   .0939454    -6.08   0.000    -.7562566   -.3851908
    fuelpurg |   .0227496   .0043215     5.26   0.000      .014215    .0312842
     muslpew |   .0089265   .0031986     2.79   0.006     .0026095    .0152435
    peaceidx |  -.1934774   .1253651    -1.54   0.125    -.4410611    .0541064
      fmin08 |  -.0514344   .0093054    -5.53   0.000    -.0698117   -.0330572
       _cons |   8.640578   .8364987    10.33   0.000     6.988575    10.29258
------------------------------------------------------------------------------

. hausman ivfmin08ne, constant sigmamore df(1)

Note: the rank of the differenced variance matrix (1) does not equal the number of coefficients being
        tested (6); be sure this is what you expect, or there may be problems computing the test.  Examine
        the output of your estimators for anything unexpected and possibly consider scaling your variables
        so that the coefficients are on a similar scale.
```

```
                ---- Coefficients ----
             |      (b)          (B)            (b-B)     sqrt(diag(V_b-V_B))
             |   ivfmin08ne       .          Difference          S.E.
-------------+------------------------------------------------------------
      fmin08 |    -.070715    -.0514344       -.0192806        .0170917
    lgdp05pw |   -.5468486    -.5707237        .0238751        .0211646
    fuelpurg |    .0217807     .0227496       -.0009688        .0008588
     muslpew |    .0071888     .0089265       -.0017378        .0015405
    peaceidx |   -.1740817    -.1934774        .0193956        .0171937
       _cons |    8.830174     8.640578        .1895966         .168072
------------------------------------------------------------------------------
                           b = consistent under Ho and Ha; obtained from ivreg
         B = inconsistent under Ha, efficient under Ho; obtained from regress

    Test:  Ho:  difference in coefficients not systematic

                  chi2(1) = (b-B)'[(V_b-V_B)^(-1)](b-B)
                          =        1.27
                Prob>chi2 =      0.2593
                (V_b-V_B is not positive definite)

. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx if fmin08ne ~=.

      Source |       SS       df       MS              Number of obs =     173
-------------+------------------------------           F(  4,   168) =   42.14
       Model |  309.917074     4  77.4792685           Prob > F      =  0.0000
    Residual |  308.877727   168   1.8385579           R-squared     =  0.5008
-------------+------------------------------           Adj R-squared =  0.4890
       Total |    618.7948   172  3.59764419           Root MSE      =  1.3559

------------------------------------------------------------------------------
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.6405447   .0990793    -6.46   0.000    -.8361456   -.4449438
    fuelpurg |   .0254274   .0045719     5.56   0.000     .0164016    .0344533
     muslpew |   .0134577   .0032225     4.18   0.000     .0070958    .0198195
    peaceidx |  -.2628964    .132494    -1.98   0.049    -.5244642   -.0013286
       _cons |   8.184959   .8817521     9.28   0.000     6.444217    9.925701
------------------------------------------------------------------------------
```

```
. ***8.3. 2SLS results, Hausman test for Model 3.10, with dummy variable indicating whether head of governm
> ent has at least one daughter instrumenting for female share of ministerial positions
. correlate fmin08 daught1
(obs=150)

             |   fmin08  daught1
-------------+------------------
      fmin08 |   1.0000
     daught1 |  -0.0455   1.0000


. ivreg fh0509 lgdp05pw fuelpurg muslpew peaceidx (fmin08 = daught1), first

First-stage regressions
-----------------------

      Source |       SS       df       MS              Number of obs =     140
-------------+------------------------------           F(  5,   134) =    8.38
       Model |  5001.94434     5  1000.38887           Prob > F      =  0.0000
    Residual |  16002.7057   134  119.423177           R-squared     =  0.2381
-------------+------------------------------           Adj R-squared =  0.2097
       Total |    21004.65   139   151.11259           Root MSE      =  10.928

------------------------------------------------------------------------------
      fmin08 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |   1.456669   .9350791     1.56   0.122    -.3927542    3.306093
    fuelpurg |  -.0450114   .0421977    -1.07   0.288    -.1284711    .0384483
     muslpew |  -.1180863   .0302703    -3.90   0.000    -.1779558   -.0582169
    peaceidx |   1.541494   1.166411     1.32   0.189    -.7654649    3.848452
     daught1 |  -2.000397   2.216053    -0.90   0.368    -6.383364     2.38257
       _cons |   10.54736   8.633833     1.22   0.224    -6.528859    27.62358
------------------------------------------------------------------------------
```

```
Instrumental variables (2SLS) regression

      Source |       SS       df       MS              Number of obs =     140
-------------+------------------------------           F(  5,   134) =   28.32
       Model |  233.764609     5  46.7529219           Prob > F      =  0.0000
    Residual |  267.221393   134   1.9941895           R-squared     =  0.4666
-------------+------------------------------           Adj R-squared =  0.4467
       Total |  500.986003   139  3.60421585           Root MSE      =  1.4122

------------------------------------------------------------------------------
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      fmin08 |  -.1271741   .1431538    -0.89   0.376    -.4103073    .1559592
    lgdp05pw |  -.6056105   .2406691    -2.52   0.013    -1.081612   -.1296089
    fuelpurg |   .0223346   .0083429     2.68   0.008     .0058337    .0388355
     muslpew |  -.0008258   .0171672    -0.05   0.962    -.0347795    .0331279
    peaceidx |   .0869127   .2579142     0.34   0.737    -.4231967    .5970221
       _cons |   10.66323   1.685399     6.33   0.000     7.329805    13.99666
------------------------------------------------------------------------------
Instrumented:  fmin08
Instruments:   lgdp05pw fuelpurg muslpew peaceidx daught1
------------------------------------------------------------------------------

. estimates store ivdaught1

. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx fmin08 if daught1 ~=.

      Source |       SS       df       MS              Number of obs =     140
-------------+------------------------------           F(  5,   134) =   49.27
       Model |  324.494027     5  64.8988054           Prob > F      =  0.0000
    Residual |  176.491976   134   1.3171043           R-squared     =  0.6477
-------------+------------------------------           Adj R-squared =  0.6346
       Total |  500.986003   139  3.60421585           Root MSE      =  1.1477

------------------------------------------------------------------------------
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.7147564   .0990767    -7.21   0.000    -.9107128   -.5187999
    fuelpurg |   .0256465   .0044483     5.77   0.000     .0168486    .0344444
     muslpew |   .0079403   .0033463     2.37   0.019     .0013219    .0145588
    peaceidx |  -.0229903   .1228783    -0.19   0.852    -.2660223    .2200416
      fmin08 |   -.052105   .0090448    -5.76   0.000     -.069994   -.0342161
       _cons |   9.990223   .8915266    11.21   0.000     8.226939    11.75351
------------------------------------------------------------------------------
```

```
. hausman ivdaught1, constant sigmamore df(1)

Note: the rank of the differenced variance matrix (1) does not equal the number of coefficients being
       tested (6); be sure this is what you expect, or there may be problems computing the test.  Examine
       the output of your estimators for anything unexpected and possibly consider scaling your variables
       so that the coefficients are on a similar scale.

                ---- Coefficients ----
             |      (b)          (B)            (b-B)     sqrt(diag(V_b-V_B))
             |   ivdaught1        .          Difference          S.E.
-------------+------------------------------------------------------------
      fmin08 |   -.1271741     -.052105       -.075069        .1159881
    lgdp05pw |   -.6056105    -.7147564        .1091459        .1686397
    fuelpurg |    .0223346     .0256465       -.0033119        .0051171
     muslpew |   -.0008258     .0079403       -.0087661        .0135444
    peaceidx |    .0869127    -.0229903         .109903        .1698095
       _cons |    10.66323     9.990223        .6730069        1.039853
------------------------------------------------------------------------------
                           b = consistent under Ho and Ha; obtained from ivreg
         B = inconsistent under Ha, efficient under Ho; obtained from regress

    Test:  Ho:  difference in coefficients not systematic

                 chi2(1) = (b-B)'[(V_b-V_B)^(-1)](b-B)
                         =        0.42
               Prob>chi2 =      0.5175
               (V_b-V_B is not positive definite)

. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx if daught1 ~=.

      Source |       SS       df       MS              Number of obs =     144
-------------+------------------------------           F(  4,   139) =   44.08
       Model |  283.380873     4  70.8452181           Prob > F      =  0.0000
    Residual |  223.418852   139  1.60732987           R-squared     =  0.5592
-------------+------------------------------           Adj R-squared =  0.5465
       Total |  506.799725   143  3.54405402           Root MSE      =  1.2678

------------------------------------------------------------------------------
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |   -.791165   .1071871    -7.38   0.000    -1.003093    -.579237
    fuelpurg |   .0278684   .0048833     5.71   0.000     .0182132    .0375236
     muslpew |   .0140406   .0034931     4.02   0.000      .007134    .0209471
    peaceidx |  -.0982252   .1337386    -0.73   0.464    -.3626503    .1661999
       _cons |   9.529574   .9659583     9.87   0.000     7.619703    11.43945
------------------------------------------------------------------------------
```

```
. ***8.4. 2SLS results, Hausman test for Model 3.10, with daughters as a percentage of the head of governme
> nt's children instrumenting for female share of ministerial positions
. correlate fmin08 daughtpct
(obs=150)

             |   fmin08 daught~t
-------------+------------------
      fmin08 |   1.0000
   daughtpct |   0.0328   1.0000


. ivreg fh0509 lgdp05pw fuelpurg muslpew peaceidx (fmin08 = daughtpct), first

First-stage regressions
-----------------------

      Source |       SS       df       MS              Number of obs =     140
-------------+------------------------------           F(  5,   134) =    8.21
       Model |  4923.55454     5  984.710909           Prob > F      =  0.0000
    Residual |  16081.0955   134  120.008175           R-squared     =  0.2344
-------------+------------------------------           Adj R-squared =  0.2058
       Total |    21004.65   139   151.11259           Root MSE      =  10.955

------------------------------------------------------------------------------
      fmin08 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |   1.453729   .9373618     1.55   0.123    -.4002089    3.307668
    fuelpurg |  -.0427412   .0424311    -1.01   0.316    -.1266626    .0411802
     muslpew |  -.1169792   .0303138    -3.86   0.000    -.1769345   -.0570238
    peaceidx |   1.422765   1.170717     1.22   0.226    -.8927084    3.738238
   daughtpct |   1.112268   2.801196     0.40   0.692    -4.428009    6.652545
       _cons |   8.431919   8.580478     0.98   0.328    -8.538771    25.40261
------------------------------------------------------------------------------
```

```
Instrumental variables (2SLS) regression

      Source |       SS       df       MS              Number of obs =     140
-------------+------------------------------           F(  5,   134) =   19.09
       Model |  106.759058     5  21.3518115           Prob > F      =  0.0000
    Residual |  394.226945   134  2.94199213           R-squared     =  0.2131
-------------+------------------------------           Adj R-squared =  0.1837
       Total |  500.986003   139  3.60421585           Root MSE      =  1.7152

------------------------------------------------------------------------------
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      fmin08 |   .0641873   .3943206     0.16   0.871    -.7157101    .8440846
    lgdp05pw |  -.8838384   .5918058    -1.49   0.138    -2.054327    .2866504
    fuelpurg |   .0307771    .018614     1.65   0.101    -.0060382    .0675923
     muslpew |   .0215203   .0462904     0.46   0.643     -.070034    .1130746
    peaceidx |  -.1932453   .6054791    -0.32   0.750    -1.390777    1.004287
       _cons |   8.947643   3.775975     2.37   0.019     1.479422    16.41586
------------------------------------------------------------------------------
Instrumented:  fmin08
Instruments:   lgdp05pw fuelpurg muslpew peaceidx daughtpct
------------------------------------------------------------------------------

. estimates store ivdaughtpct

. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx fmin08 if daughtpct ~=.

      Source |       SS       df       MS              Number of obs =     140
-------------+------------------------------           F(  5,   134) =   49.27
       Model |  324.494027     5  64.8988054           Prob > F      =  0.0000
    Residual |  176.491976   134   1.3171043           R-squared     =  0.6477
-------------+------------------------------           Adj R-squared =  0.6346
       Total |  500.986003   139  3.60421585           Root MSE      =  1.1477

------------------------------------------------------------------------------
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.7147564   .0990767    -7.21   0.000    -.9107128   -.5187999
    fuelpurg |   .0256465   .0044483     5.77   0.000     .0168486    .0344444
     muslpew |   .0079403   .0033463     2.37   0.019     .0013219    .0145588
    peaceidx |  -.0229903   .1228783    -0.19   0.852    -.2660223    .2200416
      fmin08 |   -.052105   .0090448    -5.76   0.000     -.069994   -.0342161
       _cons |   9.990223   .8915266    11.21   0.000     8.226939    11.75351
------------------------------------------------------------------------------
```

```
. hausman ivdaughtpct, constant sigmamore df(1)

Note: the rank of the differenced variance matrix (1) does not equal the number of coefficients being
       tested (6); be sure this is what you expect, or there may be problems computing the test.  Examine
       the output of your estimators for anything unexpected and possibly consider scaling your variables
       so that the coefficients are on a similar scale.

                ---- Coefficients ----
             |      (b)          (B)            (b-B)     sqrt(diag(V_b-V_B))
             |  ivdaughtpct       .          Difference          S.E.
-------------+------------------------------------------------------------
      fmin08 |    .0641873     -.052105        .1162923        .2636838
    lgdp05pw |   -.8838384    -.7147564        -.169082        .3833805
    fuelpurg |    .0307771     .0256465        .0051305        .0116331
     muslpew |    .0215203     .0079403        .0135799        .0307915
    peaceidx |   -.1932453    -.0229903       -.1702549        .3860399
       _cons |    8.947643     9.990223        -1.04258         2.36397
------------------------------------------------------------------------------
                           b = consistent under Ho and Ha; obtained from ivreg
         B = inconsistent under Ha, efficient under Ho; obtained from regress

    Test:  Ho:  difference in coefficients not systematic

                 chi2(1) = (b-B)'[(V_b-V_B)^(-1)](b-B)
                         =        0.19
               Prob>chi2 =      0.6592
               (V_b-V_B is not positive definite)

. regress fh0509 lgdp05pw fuelpurg muslpew peaceidx if daughtpct ~=.

      Source |       SS       df       MS              Number of obs =     144
-------------+------------------------------           F(  4,   139) =   44.08
       Model |  283.380873     4  70.8452181           Prob > F      =  0.0000
    Residual |  223.418852   139  1.60732987           R-squared     =  0.5592
-------------+------------------------------           Adj R-squared =  0.5465
       Total |  506.799725   143  3.54405402           Root MSE      =  1.2678

------------------------------------------------------------------------------
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |   -.791165   .1071871    -7.38   0.000    -1.003093    -.579237
    fuelpurg |   .0278684   .0048833     5.71   0.000     .0182132    .0375236
     muslpew |   .0140406   .0034931     4.02   0.000      .007134    .0209471
    peaceidx |  -.0982252   .1337386    -0.73   0.464    -.3626503    .1661999
       _cons |   9.529574   .9659583     9.87   0.000     7.619703    11.43945
------------------------------------------------------------------------------
.
. log close
       log:  /Users/jmcguire/Documents/endogeneity.smcl
  log type:  smcl
 closed on:  14 Jul 2011, 12:18:26
-------------------------------------------------------------------------------------------------------------
```

6. Quantities of Interest: Simulations Carried Out by the CLARIFY Routine

```
log:  /Applications/Stata 10/ado/clarify.smcl
  log type:  smcl
 opened on:   7 Jul 2011, 08:50:09

.
. *** QUANTITIES OF INTEREST: Simulations carried out by the CLARIFY routine
.
. *** You can install this routine from the internet by typing into the Stata command window net from http:
> //gking.harvard.edu/clarify/  then hit return and type net install clarify then hit return again
.
. *** In Table 1, Model 2, how much would the Freedom House score change if the natural log of GDP per capi
> ta rose by one standard deviation?
. summarize gdp05pw

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
     gdp05pw |       188    12261.78    13377.72        360      72921

. summarize lgdp05pw

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
    lgdp05pw |       188    8.792277    1.209047   5.886104   11.19713

. display exp(8.792277)
6583.2051

. display exp(8.792277+1.209047)
22055.648

. display 8.792277+1.209047
10.001324

. estsimp regress fh0509 lgdp05pw, r

Linear regression                               Number of obs =     183
                                                F(  1,   181) =   45.13
                                                Prob > F      =  0.0000
                                                R-squared     =  0.1968
                                                Root MSE      =  1.7197

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.7142405   .1063182    -6.72   0.000     -.924023    -.504458
       _cons |    9.55453   .9078627    10.52   0.000     7.763174    11.34589
------------------------------------------------------------------------------
```

```
Simulating main parameters.  Please wait....
% of simulations completed: 50% 100%


Simulating sigma-squared.  Please wait


Number of simulations  : 1000
Names of new variables : b1 b2 b3

. setx mean

. simqi, fd(ev) changex(lgdp05pw 8.792277 10.001324)

First Difference: lgdp05pw 8.792277 10.001324

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
               dE(fh0509) |  -.8640004     .1270222    -1.117584   -.6230611

. drop b*

.
. *** In Table 1, Model 2, how much would GDP per capita have to rise to reduce the Freedom House authorita
> rianism score by one point on a scale of 1 (most democratic) to 7 (most authoritarian)?
.
. estsimp regress fh0509 lgdp05pw, r

Linear regression                                      Number of obs =     183
                                                       F(  1,   181) =   45.13
                                                       Prob > F      =  0.0000
                                                       R-squared     =  0.1968
                                                       Root MSE      =  1.7197

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.7142405   .1063182    -6.72   0.000     -.924023    -.504458
       _cons |    9.55453   .9078627    10.52   0.000     7.763174    11.34589
------------------------------------------------------------------------------

Simulating main parameters.  Please wait....
% of simulations completed: 50% 100%


Simulating sigma-squared.  Please wait


Number of simulations  : 1000
Names of new variables : b1 b2 b3
```

```
. setx mean

. simqi, fd(ev) changex(lgdp05pw 8.792277 10.196000)

First Difference: lgdp05pw 8.792277 10.196000

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+-----------------------------------------------
                dE(fh0509) |  -1.003227     .1486011    -1.302132   -.6972022

. display exp(10.196)
26795.788

. drop b*

.
. *** In Table 1, Model 4, how much would the Freedom House score change if fuels exports as a percent of t
> otal exports rose by one standard deviation?
. summarize fuelpurg

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
    fuelpurg |       195    13.20462    25.36029          0      98.37

. display 13.20462+25.36029
38.56491

. estsimp regress fh0509 fuelpurg, r

Linear regression                               Number of obs =     181
                                                F(  1,   179) =   64.84
                                                Prob > F      =  0.0000
                                                R-squared     =  0.1601
                                                Root MSE      =  1.7611

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    fuelpurg |   .0294334   .0036554     8.05   0.000     .0222203    .0366466
       _cons |   2.889653    .152889    18.90   0.000     2.587956     3.19135
------------------------------------------------------------------------------

Simulating main parameters.  Please wait....
% of simulations completed: 50% 100%


Simulating sigma-squared.  Please wait


Number of simulations  : 1000
Names of new variables : b1 b2 b3
```

```
. setx mean

. simqi, fd(ev) changex(fuelpurg 13.20462 38.56491)

First Difference: fuelpurg 13.20462 38.56491

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
               dE(fh0509) |   .7537496     .0923494     .5794733    .9431248

. drop b*

.
. *** In Table 1, Model 6, how much would the Freedom House score change if percent Muslim rose by one stan
> dard deviation?
. summarize muslpew

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
     muslpew |       212    23.67948    36.58251        .05       99.7

. display 23.67948+36.58251
60.26199

. estsimp regress fh0509 muslpew, r

Linear regression                               Number of obs =     190
                                                F(  1,   188) =   96.56
                                                Prob > F      =  0.0000
                                                R-squared     =  0.2752
                                                Root MSE      =   1.664

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     muslpew |   .0275619   .0028049     9.83   0.000     .0220287     .033095
       _cons |   2.589669   .1566327    16.53   0.000     2.280685    2.898652
------------------------------------------------------------------------------

Simulating main parameters.  Please wait....
% of simulations completed: 50% 100%


Simulating sigma-squared.  Please wait


Number of simulations  : 1000
Names of new variables : b1 b2 b3
```

```
. setx mean

. simqi, fd(ev) changex(muslpew 23.67948 60.26199)

First Difference: muslpew 23.67948 60.26199

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+-----------------------------------------------
                dE(fh0509) |   1.008264     .1032308       .80801    1.201267

. drop b*

.
. *** In Table 1, Model 8, how much would the Freedom House score change if the natural log of GDP per capi
> ta rose by one standard deviation?
. summarize gdp05pw

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
     gdp05pw |       188    12261.78    13377.72         360      72921

. summarize lgdp05pw

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
    lgdp05pw |       188    8.792277    1.209047   5.886104   11.19713

. display exp(8.792277)
6583.2051

. display exp(8.792277+1.209047)
22055.648

. display 8.792277+1.209047
10.001324
```

```
. estsimp regress fh0509 lgdp05pw fuelpurg muslpew peaceidx, r

Linear regression                                       Number of obs =     177
                                                        F(  4,   172) =   42.87
                                                        Prob > F      =  0.0000
                                                        R-squared     =  0.5097
                                                        Root MSE      =  1.3456

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.6426261   .0933134    -6.89   0.000    -.8268131   -.4584392
    fuelpurg |   .0261186   .0043061     6.07   0.000     .0176191    .0346181
     muslpew |    .013186   .0029194     4.52   0.000     .0074235    .0189485
    peaceidx |  -.2820113     .11449    -2.46   0.015    -.5079976    -.056025
       _cons |   8.198529   .8301503     9.88   0.000     6.559935    9.837123
------------------------------------------------------------------------------

Simulating main parameters.  Please wait....
% of simulations completed: 20% 40% 60% 80% 100%


Simulating sigma-squared.  Please wait


Number of simulations  : 1000
Names of new variables : b1 b2 b3 b4 b5 b6

. setx mean

. simqi, fd(ev) changex(lgdp05pw 8.792277 10.001324)

First Difference: lgdp05pw 8.792277 10.001324

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
               dE(fh0509) |  -.7781193     .1112788    -.9987366    -.553445

. drop b*
```

```
. *** In Table 1, Model 8, how much would the Freedom House score change if fuels exports as a percent of t
> otal exports rose by one standard deviation?
. summarize fuelpurg

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
    fuelpurg |       195    13.20462    25.36029          0      98.37

. display 13.20462+25.36029
38.56491

. estsimp regress fh0509 lgdp05pw fuelpurg muslpew peaceidx, r

Linear regression                                      Number of obs =     177
                                                       F(  4,   172) =   42.87
                                                       Prob > F      =  0.0000
                                                       R-squared     =  0.5097
                                                       Root MSE      =  1.3456

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.6426261   .0933134    -6.89   0.000    -.8268131   -.4584392
    fuelpurg |   .0261186   .0043061     6.07   0.000     .0176191    .0346181
     muslpew |    .013186   .0029194     4.52   0.000     .0074235    .0189485
    peaceidx |  -.2820113     .11449    -2.46   0.015    -.5079976    -.056025
       _cons |   8.198529   .8301503     9.88   0.000     6.559935    9.837123
------------------------------------------------------------------------------

Simulating main parameters.  Please wait....
% of simulations completed: 20% 40% 60% 80% 100%


Simulating sigma-squared.  Please wait


Number of simulations  : 1000
Names of new variables : b1 b2 b3 b4 b5 b6
```

```
. setx mean

. simqi, fd(ev) changex(fuelpurg 13.20462 38.56491)

First Difference: fuelpurg 13.20462 38.56491

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
               dE(fh0509) |   .6589197     .1109396     .4400644    .8762177

. drop b*

.
. *** In Table 1, Model 8, how much would the Freedom House score change if percent Muslim rose by one stan
> dard deviation?
. summarize muslpew

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
     muslpew |       212    23.67948    36.58251        .05       99.7

. display 13.20462+25.36029
38.56491

. estsimp regress fh0509 lgdp05pw fuelpurg muslpew peaceidx, r

Linear regression                                      Number of obs =     177
                                                       F(  4,   172) =   42.87
                                                       Prob > F      =  0.0000
                                                       R-squared     =  0.5097
                                                       Root MSE      =  1.3456

------------------------------------------------------------------------------
             |               Robust
      fh0509 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    lgdp05pw |  -.6426261   .0933134    -6.89   0.000    -.8268131   -.4584392
    fuelpurg |   .0261186   .0043061     6.07   0.000     .0176191    .0346181
     muslpew |    .013186   .0029194     4.52   0.000     .0074235    .0189485
    peaceidx |  -.2820113     .11449    -2.46   0.015    -.5079976    -.056025
       _cons |   8.198529   .8301503     9.88   0.000     6.559935    9.837123
------------------------------------------------------------------------------

Simulating main parameters.  Please wait....
% of simulations completed: 20% 40% 60% 80% 100%


Simulating sigma-squared.  Please wait


Number of simulations  : 1000
Names of new variables : b1 b2 b3 b4 b5 b6
```

```
. setx mean

. simqi, fd(ev) changex(muslpew 23.67948 60.26199)

First Difference: muslpew 23.67948 60.26199

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+-----------------------------------------------
                dE(fh0509) |   .4759692     .1059714     .2732548    .6959864

. drop b*

.
. log close
       log:  /Applications/Stata 10/ado/clarify.smcl
  log type:  smcl
 closed on:   7 Jul 2011, 08:50:09
```