

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 tradition (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 independent variables rose by 1 SD?

Variable Names in Alphabetical Order

<i>adofert</i>	<i>Adolescent fertility</i>	<i>lfuelwealth</i>	<i>Fuel wealth (ln)</i>
<i>agem0008</i>	<i>% labor in agric</i>	<i>lgdp05pw</i>	<i>GDP per capita (ln)</i>
<i>agva9005</i>	<i>Agricul. value added</i>	<i>lifexfm</i>	<i>F/M life expect.</i>
<i>corr0509</i>	<i>Control of corruption</i>	<i>maleshim</i>	<i>Int'l migrants, M %</i>
<i>daught1</i>	<i>Head of govt ≥1 daught</i>	<i>mena</i>	<i>Middle East</i>
<i>daughtpct</i>	<i>Head of govt % daught</i>	<i>mileap</i>	<i>Military personnel</i>
<i>deathpop</i>	<i>Conflict deaths</i>	<i>milspen</i>	<i>Military spending</i>
<i>deathpopz</i>	<i>Conflict deaths Z</i>	<i>mmr0308</i>	<i>Maternal mortality</i>
<i>demohist</i>	<i>Democratic history</i>	<i>muslfish</i>	<i>Muslim relig trad (0/1)</i>
<i>excomm</i>	<i>Ex-Communist country</i>	<i>muslim90</i>	<i>90%+ Muslim (0/1)</i>
<i>femshim</i>	<i>Int'l migrants, F %</i>	<i>muslpew</i>	<i>% Muslim</i>
<i>fh0509</i>	<i>Freedom</i>	<i>oresexp</i>	<i>Ores % exports</i>
<i>fh0509ne</i>	<i>Democratic neighbors</i>	<i>peaceidx</i>	<i>Peace Index</i>
<i>fmin08</i>	<i>F % ministerial</i>	<i>polity0509</i>	<i>Polity score</i>
<i>fmin08ne</i>	<i>F % ministerial neighb</i>	<i>popnatf05</i>	<i>Native pop, F</i>
<i>fmlabfor</i>	<i>F/M labor force</i>	<i>popnatm05</i>	<i>Native pop, M</i>
<i>fmlit</i>	<i>F/M literacy</i>	<i>prioapcu</i>	<i>PRIO app*intns (cum)</i>
<i>fmrnat05</i>	<i>F/M native pop</i>	<i>prioapcuz</i>	<i>PRIO app*intns (cum) Z</i>
<i>fmsecond</i>	<i>F/M 2° schooling</i>	<i>prioapin</i>	<i>PRIO app*intns (year)</i>
<i>fpar108</i>	<i>F % legislature</i>	<i>prioapinz</i>	<i>PRIO app*intns (year) Z</i>
<i>fpop</i>	<i>F % total pop</i>	<i>prioapp</i>	<i>PRIO appearances</i>
<i>fuelpurg</i>	<i>Fuels % exports</i>	<i>prioappz</i>	<i>PRIO appearances Z</i>
<i>fuelwealth</i>	<i>Fuel wealth</i>	<i>priocum</i>	<i>PRIO intensity (cum)</i>
<i>gdp05pw</i>	<i>GDP per capita</i>	<i>prioit</i>	<i>PRIO intensity (year)</i>
<i>gem</i>	<i>Gender Empower. Meas.</i>	<i>rich</i>	<i>Rich country</i>
<i>ggi0609</i>	<i>Gender Gap Index</i>	<i>sal0509</i>	<i>Government salaries</i>
<i>gii08old</i>	<i>Gender Inequality Index</i>	<i>sexratio</i>	<i>M/F ratio at birth</i>
<i>imfemshpop</i>	<i>Int'l migrants F % pop</i>	<i>sovi</i>	<i>Soviet bloc</i>
<i>immaleshpop</i>	<i>Int'l migrants M % pop</i>	<i>subs0509</i>	<i>Government subsidies</i>
<i>immigfem</i>	<i>Int'l migrants, female</i>	<i>tax9009</i>	<i>Taxes, % GDP</i>
<i>immigmale</i>	<i>Int'l migrants, male</i>	<i>taxgdpdir</i>	<i>Direct taxes, % GDP</i>
<i>immigtot</i>	<i>Int'l migrants, total</i>	<i>taxrevdir</i>	<i>Taxes, % direct</i>
<i>imtotshpop</i>	<i>Int'l migrants % pop</i>	<i>u5mrfm</i>	<i>F/M U5MR</i>
<i>lagem0008</i>	<i>% labor in agric (ln)</i>	<i>ussrasia</i>	<i>Former USSR (Asia)</i>
<i>lagva9005</i>	<i>Agricul. value added (ln)</i>	<i>ussreuro</i>	<i>Former USSR (Europe)</i>

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
<i>Democracy</i>	<i>Polity score</i>	<i>polity0509</i>	<i>156</i>	<i>3.59</i>	<i>Polity2 score (-10 to +10, +10 most democratic), 2005-2009, five-year average</i>	<i>Marshall and Jaggers 2009</i>
<i>Democracy</i>	<i>Democratic history</i>	<i>demohist</i>	<i>189</i>	<i>20.34</i>	<i>Years democratic, 1900-1995, as measured by a Polity III score of 5 or higher in at least two consecutive years</i>	<i>Gerring and Thacker 2005</i>
<i>Democracy</i>	<i>Democratic neighbors</i>	<i>fh0509ne</i>	<i>190</i>	<i>3.30</i>	<i>Freedom House score in 2005-2009, average of each country contiguous with the indicated country.</i>	<i>Contiguity information from Correlates of War Project 2007</i>
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
<i>Affluence</i>	<i>GDP per capita</i>	<i>gdp05pw</i>	<i>188</i>	<i>12,262</i>	<i>GDP per capita in 2005, Penn World Tables version 6.3 (var. RGDPCH)</i>	<i>Heston, Summers, and Aten 2009</i>
<i>Affluence</i>	<i>Agricul. value added</i>	<i>agva9005</i>	<i>185</i>	<i>17.7</i>	<i>Agriculture, value added (% GDP), average 1990-2005</i>	<i>World Bank 2011</i>
<i>Affluence</i>	<i>Agricul. value added (ln)</i>	<i>lagva9005</i>	<i>184</i>	<i>2.43</i>	<i>Natural log of agriculture, value added (% GDP), average 1990-2005</i>	<i>World Bank 2011</i>
<i>Affluence</i>	<i>% labor in agric</i>	<i>agem0008</i>	<i>139</i>	<i>20.9</i>	<i>Employment in agriculture (% total employment), average 2000-2008</i>	<i>World Bank 2011</i>
<i>Affluence</i>	<i>% labor in agric (ln)</i>	<i>lagem0008</i>	<i>138</i>	<i>2.40</i>	<i>Natural log of employment in agriculture (% total employment), average 2000-2008</i>	<i>World Bank 2011</i>
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
<i>Rents</i>	<i>Fuel wealth</i>	<i>fuelwealth</i>	<i>153</i>	<i>5897</i>	<i>Fuel (oil, gas, & coal) wealth, average value 1995, 2000, & 2005, per capita, in 2000 \$US.</i>	<i>World Bank 2010</i>
<i>Rents</i>	<i>Fuel wealth (ln)</i>	<i>lfuelwealth</i>	<i>153</i>	<i>1.02</i>	<i>Natural log of fuel (oil, gas, & coal) wealth, average value 1995, 2000, & 2005, per capita, in 2000 \$US</i>	<i>World Bank 2010</i>
<i>Rents</i>	<i>Ores % exports</i>	<i>oresexp</i>	<i>194</i>	<i>9.1</i>	<i>Ores and metals exports (% merchandise exports), avg. all available years 1972-2008</i>	<i>World Bank 2011</i>
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
<i>Gender</i>	<i>F % ministerial neighb</i>	<i>fmin08ne</i>	<i>187</i>	<i>16.20</i>	<i>Female share of ministerial positions in Jan 2008, average of each country contiguous with the indicated country</i>	<i>Calculated from UNDP 2009 and Correlates of War Project 2007</i>
<i>Gender</i>	<i>F % total pop</i>	<i>fpop</i>	<i>191</i>	<i>50.13</i>	<i>Females as a share of the total population, avg. 1960-2009</i>	<i>World Bank 2011</i>

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

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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*** (6.41)		2.516*** (7.05)		1.275*** (3.79)		0.573 (1.44)		0.471 (1.07)
lgdp05pw		-0.714*** (-6.72)	-0.807*** (-8.89)		-0.864*** (-9.98)		-0.748*** (-8.15)	-0.643*** (-6.89)	-0.672*** (-6.84)
fuelpurg				0.0294*** (8.05)	0.0289*** (5.97)		0.0254*** (5.67)	0.0261*** (6.07)	0.0247*** (5.42)
muslpew						0.0276*** (9.83)	0.0115** (3.16)	0.0132*** (4.52)	0.0112** (3.10)
peaceidx								-0.282* (-2.46)	-0.266* (-2.24)
_cons	3.075*** (21.19)	9.555*** (10.52)	10.10*** (12.76)	2.890*** (18.90)	10.34*** (13.69)	2.590*** (16.53)	9.152*** (11.06)	8.199*** (9.88)	8.474*** (9.65)
<i>N</i>	191	183	183	181	178	190	177	177	177
adj. <i>R</i> 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*** (-6.81)	-0.667*** (-7.02)	-0.678*** (-7.11)	-0.747*** (-8.38)	-0.800*** (-8.30)	-0.709*** (-6.81)	-0.651*** (-5.94)	-0.540*** (-4.45)	-0.641*** (-6.76)	-0.0279 (-0.21)	0.648* (2.05)
fuelpurg	0.0272*** (6.07)	0.0256*** (5.81)	0.0258*** (5.91)	0.0254*** (6.17)	0.0240*** (5.06)	0.0236*** (5.37)	0.0237*** (4.50)	0.0238*** (4.58)	0.0254*** (5.89)	0.0154*** (3.52)	0.00444 (0.65)
muslpew	0.0119*** (3.80)	0.0105** (3.34)	0.0130*** (4.29)	0.00892** (2.68)	0.0104** (2.97)	0.00931** (2.75)	0.0141*** (3.80)	0.0135*** (3.69)	0.0135*** (4.59)	0.0124*** (4.29)	0.0113*** (3.92)
peaceidx	-0.204 (-1.70)	-0.160 (-1.32)	-0.219 (-1.85)	-0.149 (-1.20)	-0.220 (-1.72)	-0.222 (-1.82)	-0.152 (-1.17)	-0.247 (-1.74)	-0.263* (-2.28)	-0.155 (-1.29)	-0.0364 (-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*** (-6.41)	-2.151*** (-4.49)
_cons	8.418*** (9.75)	8.301*** (9.66)	8.566*** (10.04)	8.908*** (11.15)	9.602*** (10.65)	9.294*** (10.38)	8.078*** (7.79)	6.545*** (5.17)	8.185*** (9.75)	2.936* (2.58)	-2.850 (-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*** (-6.27)	-0.511*** (-4.11)	-0.749*** (-7.66)	-0.521** (-2.92)	-0.589*** (-5.60)	-0.495*** (-4.71)	-0.634*** (-6.55)	-0.571*** (-6.22)	-0.547*** (-5.75)
fuelpurg	0.0230*** (4.42)	0.0215*** (4.22)	0.0292*** (6.48)	0.0262*** (5.36)	0.0245*** (5.06)	0.0226*** (4.69)	0.0253*** (5.83)	0.0227*** (6.22)	0.0218*** (5.97)
muslpew	0.0168*** (4.25)	0.0134** (2.83)	0.0105** (3.16)	0.00969** (2.89)	0.0144*** (4.07)	0.0105** (2.69)	0.0136*** (4.44)	0.00893** (2.96)	0.00719* (2.07)
peaceidx	-0.235 (-1.81)	-0.254 (-1.97)	-0.226 (-1.74)	-0.229 (-1.73)	-0.300* (-2.32)	-0.293* (-2.29)	-0.245* (-2.09)	-0.193 (-1.68)	-0.174 (-1.46)
gem		-1.840* (-2.03)							
gii08old				1.824 (1.59)					
ggi0609						-5.672* (-2.28)			
fmin08								-0.0514*** (-6.07)	-0.0707*** (-3.44)
_cons	8.470*** (8.25)	7.939*** (8.10)	9.092*** (10.03)	6.133** (2.90)	7.566*** (7.77)	10.65*** (5.86)	8.135*** (9.45)	8.641*** (10.87)	8.830*** (10.53)
<i>N</i>	108	108	138	138	133	133	166	166	166
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	polity0509	polity0509	polity0509	polity0509	polity0509	polity0509	polity0509	polity0509	polity0509
mena	-7.935*** (-5.35)		-9.206*** (-5.73)		-5.845*** (-3.52)		-3.463 (-1.86)		-3.572* (-1.99)
lgdp05pw		1.071* (2.53)	1.523*** (4.75)		1.677*** (5.22)		1.316*** (3.87)	1.169*** (3.41)	1.402*** (4.01)
fuelpurg				-0.103*** (-6.02)	-0.0849*** (-3.95)		-0.0752*** (-3.77)	-0.0866*** (-4.59)	-0.0757*** (-3.80)
muslpew						-0.0824*** (-6.80)	-0.0375** (-2.64)	-0.0532*** (-4.31)	-0.0374** (-2.62)
peaceidx								-0.257 (-0.57)	-0.358 (-0.76)
_cons	4.501*** (9.08)	-5.571 (-1.57)	-8.428** (-2.99)	5.363*** (10.43)	-8.746** (-3.13)	5.841*** (10.72)	-5.016 (-1.64)	-3.595 (-1.16)	-5.823 (-1.83)
<i>N</i>	156	154	154	154	153	156	153	153	153
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
mena	2.072*** (6.41)		2.516*** (7.05)		1.275*** (3.79)		1.069* (2.60)		0.954* (2.11)
lgdp05pw		-0.714*** (-6.72)	-0.807*** (-8.89)		-0.864*** (-9.98)		-0.835*** (-9.15)	-0.704*** (-7.57)	-0.753*** (-7.85)
fuelpurg				0.0294*** (8.05)	0.0289*** (5.97)		0.0284*** (5.99)	0.0313*** (6.66)	0.0276*** (5.61)
muslim90						2.153*** (7.45)	0.355 (0.99)	0.711* (2.33)	0.345 (0.95)
peaceidx								-0.311** (-2.62)	-0.276* (-2.21)
_cons	3.075*** (21.19)	9.555*** (10.52)	10.10*** (12.76)	2.890*** (18.90)	10.34*** (13.69)	2.977*** (20.39)	10.06*** (12.50)	8.893*** (10.94)	9.339*** (11.12)
<i>N</i>	191	183	183	181	178	191	178	178	178
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
mena	2.072*** (6.41)		2.516*** (7.05)		1.275*** (3.79)		0.650 (1.64)		0.573 (1.33)
lgdp05pw		-0.714*** (-6.72)	-0.807*** (-8.89)		-0.864*** (-9.98)		-0.764*** (-8.57)	-0.664*** (-7.19)	-0.695*** (-7.26)
fuelpurg				0.0294*** (8.05)	0.0289*** (5.97)		0.0258*** (5.37)	0.0272*** (6.11)	0.0253*** (5.16)
muslfish						2.243*** (9.44)	0.913** (3.11)	1.050*** (4.39)	0.869** (2.99)
peaceidx								-0.264* (-2.35)	-0.247* (-2.11)
_cons	3.075*** (21.19)	9.555*** (10.52)	10.10*** (12.76)	2.890*** (18.90)	10.34*** (13.69)	2.729*** (18.08)	9.334*** (11.75)	8.444*** (10.34)	8.728*** (10.28)
<i>N</i>	191	183	183	181	178	191	178	178	178
adj. <i>R</i> 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: In Value Added in Agric % GDP Replaces In GDP per capita

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
mena	2.072*** (6.41)		2.909*** (8.24)		1.669*** (4.41)		0.925* (1.98)		0.843 (1.68)
lagva9005		0.827*** (5.94)	0.984*** (9.11)		1.061*** (11.25)		0.948*** (9.03)	0.775*** (7.19)	0.830*** (7.68)
fuelpurg				0.0294*** (8.05)	0.0293*** (5.69)		0.0262*** (5.19)	0.0271*** (5.74)	0.0247*** (4.79)
muslpew						0.0276*** (9.83)	0.0109** (2.68)	0.0135*** (4.13)	0.0100* (2.51)
peaceidx								-0.411*** (-3.48)	-0.398** (-3.33)
_cons	3.075*** (21.19)	1.270** (3.25)	0.606* (2.07)	2.890*** (18.90)	0.128 (0.51)	2.590*** (16.53)	0.238 (0.99)	0.624* (2.41)	0.530* (2.11)
<i>N</i>	191	179	179	181	175	190	174	174	174
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
mena	2.072*** (6.41)		2.805*** (7.07)		1.627*** (3.81)		1.025* (2.03)		0.889 (1.60)
lagem0008		0.693*** (5.69)	0.754*** (6.52)		0.808*** (7.47)		0.741*** (5.98)	0.630*** (5.46)	0.684*** (5.61)
fuelpurg				0.0294*** (8.05)	0.0289*** (5.00)		0.0256*** (4.59)	0.0281*** (5.42)	0.0256*** (4.45)
muslpew						0.0276*** (9.83)	0.00993* (1.98)	0.0141** (3.25)	0.00978 (1.91)
peaceidx								-0.266* (-2.43)	-0.219 (-1.84)
_cons	3.075*** (21.19)	1.039** (2.81)	0.578 (1.74)	2.890*** (18.90)	0.144 (0.46)	2.590*** (16.53)	0.206 (0.64)	0.465 (1.52)	0.357 (1.12)
<i>N</i>	191	128	128	181	126	190	125	125	125
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
mena	2.072*** (6.41)		2.516*** (7.05)		2.036*** (5.16)		1.180* (2.37)		1.130* (2.18)
lgdp05pw		-0.714*** (-6.72)	-0.807*** (-8.89)		-0.986*** (-9.81)		-0.866*** (-8.14)	-0.744*** (-6.58)	-0.816*** (-7.00)
lfuelwlthavgnz				0.0420 (1.93)	0.0717*** (3.67)		0.0656*** (3.55)	0.0661*** (3.43)	0.0600** (3.00)
muslpew						0.0276*** (9.83)	0.0118** (2.74)	0.0171*** (5.05)	0.0119** (2.74)
peaceidx								-0.187 (-1.22)	-0.153 (-0.96)
_cons	3.075*** (21.19)	9.555*** (10.52)	10.10*** (12.76)	3.164*** (21.80)	11.61*** (13.06)	2.590*** (16.53)	10.35*** (10.60)	9.240*** (8.93)	9.908*** (9.29)
<i>N</i>	191	183	183	151	151	190	151	151	151
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
mena	2.072*** (6.41)		2.516*** (7.05)		2.489*** (6.95)		1.277** (2.76)		1.134* (2.31)
lgdp05pw		-0.714*** (-6.72)	-0.807*** (-8.89)		-0.805*** (-8.70)		-0.649*** (-6.61)	-0.461*** (-4.53)	-0.556*** (-5.39)
oresexp				0.0115 (1.52)	-0.00340 (-0.48)		-0.00250 (-0.41)	-0.000535 (-0.09)	-0.00103 (-0.17)
muslpew						0.0276*** (9.83)	0.0163*** (3.84)	0.0217*** (6.56)	0.0159*** (3.66)
peaceidx								-0.362** (-2.68)	-0.313* (-2.25)
_cons	3.075*** (21.19)	9.555*** (10.52)	10.10*** (12.76)	3.215*** (19.02)	10.14*** (12.33)	2.590*** (16.53)	8.472*** (9.32)	6.763*** (7.28)	7.637*** (8.08)
<i>N</i>	191	183	183	180	178	190	177	177	177
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
mena	2.178*** (4.61)		3.013*** (8.68)		1.586*** (4.52)		0.499 (1.35)		0.401 (1.08)
lgdp05pw		-0.948*** (-8.88)	-0.933*** (-10.45)		-0.982*** (-12.39)		-0.838*** (-10.73)	-0.734*** (-9.06)	-0.758*** (-8.98)
fuelpurg				0.0307*** (5.72)	0.0324*** (7.75)		0.0298*** (7.66)	0.0298*** (7.96)	0.0287*** (7.33)
muslpew						0.0303*** (9.11)	0.0156*** (5.10)	0.0169*** (6.39)	0.0151*** (4.93)
peaceidx								-0.272* (-2.52)	-0.258* (-2.37)
_cons	3.011*** (20.22)	11.29*** (11.95)	10.88*** (13.85)	2.816*** (17.71)	11.09*** (16.00)	2.380*** (15.97)	9.600*** (13.67)	8.685*** (12.01)	8.911*** (11.77)
<i>N</i>	191	183	183	181	178	190	177	177	177
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
mena	0.192 (0.32)		1.160* (2.07)		0.169 (0.48)		-0.0428 (-0.12)		-0.261 (-0.69)
arableag	2.312*** (4.22)	2.502*** (8.39)	1.642** (3.30)	1.734*** (6.02)	1.392*** (4.24)	0.676 (1.91)	0.964* (2.52)	0.970* (2.52)	1.124** (3.16)
lgdp05pw		-0.726*** (-8.36)	-0.765*** (-8.60)		-0.825*** (-9.73)		-0.746*** (-8.09)	-0.671*** (-7.23)	-0.659*** (-6.73)
fuelpurg				0.0202*** (4.85)	0.0279*** (5.96)		0.0254*** (5.78)	0.0242*** (5.61)	0.0247*** (5.59)
muslpew						0.0240*** (6.42)	0.00902* (2.29)	0.00808* (2.09)	0.00835* (2.09)
peaceidx								-0.292* (-2.57)	-0.302** (-2.67)
_cons	3.008*** (20.86)	9.371*** (12.35)	9.687*** (12.50)	2.820*** (18.79)	9.966*** (13.49)	2.606*** (16.51)	9.148*** (11.01)	8.487*** (10.27)	8.380*** (9.57)
<i>N</i>	191	183	183	181	178	190	177	177	177
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
mena	1.461*** (5.53)		1.873*** (5.80)		0.989*** (3.58)		0.383 (1.12)		0.185 (0.46)
demohist	-0.0394*** (-13.35)	-0.0360*** (-7.72)	-0.0286*** (-5.80)	-0.0379*** (-13.59)	-0.0230*** (-4.76)	-0.0333*** (-10.55)	-0.0220*** (-4.57)	-0.0259*** (-5.27)	-0.0257*** (-5.08)
lgdp05pw		-0.252* (-1.98)	-0.416** (-3.27)		-0.535*** (-4.15)		-0.447*** (-3.55)	-0.256* (-1.98)	-0.271 (-1.96)
fuelpurg				0.0218*** (6.99)	0.0234*** (5.53)		0.0205*** (5.17)	0.0190*** (4.90)	0.0185*** (4.70)
muslpew						0.0187*** (6.16)	0.0101** (2.87)	0.0102*** (3.68)	0.00948** (2.72)
peaceidx								-0.440*** (-3.97)	-0.433*** (-3.75)
_cons	3.960*** (24.29)	6.232*** (6.11)	7.327*** (7.30)	3.777*** (22.56)	8.035*** (8.00)	3.516*** (17.61)	7.085*** (7.13)	5.500*** (5.45)	5.634*** (5.16)
<i>N</i>	186	181	181	179	177	185	176	176	176
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
mena	0.876 [*] (2.26)		1.433 ^{***} (3.63)		0.741 [*] (2.10)		0.339 (0.87)		0.278 (0.67)
fh0509ne	0.794 ^{***} (11.81)	0.725 ^{***} (9.39)	0.593 ^{***} (6.69)	0.740 ^{***} (10.80)	0.455 ^{***} (5.12)	0.680 ^{***} (8.63)	0.417 ^{***} (4.54)	0.405 ^{***} (4.35)	0.399 ^{***} (4.29)
lgdp05pw		-0.304 ^{**} (-3.04)	-0.431 ^{***} (-4.08)		-0.562 ^{***} (-5.28)		-0.515 ^{***} (-5.01)	-0.452 ^{***} (-4.44)	-0.472 ^{***} (-4.44)
fuelpurg				0.0171 ^{***} (4.62)	0.0221 ^{***} (4.84)		0.0205 ^{***} (4.70)	0.0210 ^{***} (4.91)	0.0202 ^{***} (4.57)
muslpew						0.0134 ^{***} (3.89)	0.00732 [*] (2.04)	0.00842 ^{**} (2.69)	0.00733 [*] (2.01)
peaceidx								-0.192 (-1.65)	-0.184 (-1.55)
_cons	0.561 ^{**} (2.63)	3.529 ^{***} (3.42)	4.937 ^{***} (4.47)	0.578 ^{**} (2.64)	6.311 ^{***} (5.69)	0.689 ^{**} (3.24)	5.902 ^{***} (5.54)	5.372 ^{***} (5.17)	5.572 ^{***} (5.16)
<i>N</i>	189	182	182	180	177	188	176	176	176
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
mena	1.608*** (4.81)		2.219*** (5.92)		1.285*** (3.68)		0.566 (1.25)		0.402 (0.78)
lgdp05pw		-0.343* (-2.38)	-0.567*** (-4.13)		-0.640*** (-4.66)		-0.529*** (-3.80)	-0.362* (-2.56)	-0.400** (-2.64)
fuelpurg				0.0218*** (5.84)	0.0216*** (4.34)		0.0194*** (4.14)	0.0196*** (4.33)	0.0184*** (3.73)
muslpew						0.0197*** (6.10)	0.0104* (2.56)	0.0117*** (3.89)	0.0092* (2.44)
peaceidx								-0.372** (-2.82)	-0.358** (-2.62)
_cons	3.539*** (21.09)	6.619*** (5.67)	8.179*** (7.40)	3.472*** (20.05)	8.645*** (7.91)	3.197*** (16.31)	7.540*** (6.65)	6.096*** (5.32)	6.435*** (5.21)
<i>N</i>	133	130	130	129	127	132	126	126	126
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11) 2SLS
	polity0509	polity0509	polity0509	polity0509	polity0509	polity0509	polity0509	polity0509	polity0509	polity0509	polity0509
lgdp05pw	1.216*** (3.48)	1.250*** (3.75)	1.236*** (3.57)	1.494*** (4.55)	1.696*** (4.59)	1.348*** (3.43)	1.050* (2.42)	0.511 (0.98)	1.148** (3.32)	-0.0550 (-0.09)	-2.665* (-2.04)
fuelpurg	-0.0895*** (-4.73)	-0.0830*** (-4.56)	-0.0836*** (-4.46)	-0.0838*** (-4.61)	-0.0762*** (-3.59)	-0.0747*** (-4.10)	-0.0712** (-2.86)	-0.0714** (-2.95)	-0.0872*** (-4.54)	-0.0675** (-3.30)	-0.0248 (-0.85)
muslpew	-0.0556*** (-4.51)	-0.0483*** (-3.93)	-0.0566*** (-4.64)	-0.0442*** (-3.40)	-0.0518*** (-3.63)	-0.0482*** (-3.46)	-0.0666*** (-4.30)	-0.0624*** (-4.39)	-0.0526*** (-4.23)	-0.0515*** (-4.12)	-0.0489*** (-3.56)
peaceidx	-0.371 (-0.83)	-0.590 (-1.30)	-0.382 (-0.86)	-0.600 (-1.29)	-0.527 (-1.13)	-0.490 (-1.10)	-0.582 (-1.19)	-0.200 (-0.40)	-0.221 (-0.48)	-0.400 (-0.88)	-0.791 (-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** (2.62)	6.351** (3.17)
_cons	-4.006 (-1.26)	-3.403 (-1.12)	-4.235 (-1.34)	-5.501 (-1.85)	-8.073* (-2.29)	-7.089* (-2.04)	-1.585 (-0.39)	5.613 (1.02)	-3.434 (-1.10)	6.903 (1.28)	29.33** (2.63)
<i>N</i>	148	148	151	151	127	127	104	104	151	151	151
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.719*** (-7.45)	-0.721*** (-7.62)	-0.740*** (-7.81)	-0.809*** (-9.35)	-0.869*** (-9.44)	-0.753*** (-7.28)	-0.722*** (-6.78)	-0.600*** (-4.75)	-0.700*** (-7.38)	-0.0561 (-0.34)	0.706* (2.08)
fuelpurg	0.0324*** (6.68)	0.0299*** (6.42)	0.0308*** (6.45)	0.0292*** (6.86)	0.0285*** (5.32)	0.0273*** (5.65)	0.0282*** (4.78)	0.0282*** (4.95)	0.0307*** (6.49)	0.0196*** (3.96)	0.00637 (0.81)
muslim90	0.554 (1.66)	0.446 (1.39)	0.703* (2.21)	0.284 (0.90)	0.414 (1.07)	0.412 (1.10)	0.964* (2.45)	0.904* (2.29)	0.731* (2.38)	0.744** (2.79)	0.760** (2.84)
peaceidx	-0.223 (-1.79)	-0.169 (-1.34)	-0.239 (-1.95)	-0.155 (-1.21)	-0.249 (-1.91)	-0.248* (-1.98)	-0.166 (-1.29)	-0.268 (-1.88)	-0.297* (-2.48)	-0.178 (-1.70)	-0.0364 (-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*** (-5.27)	-2.308*** (-4.58)
_cons	9.100*** (10.79)	8.879*** (10.49)	9.282*** (11.17)	9.520*** (12.33)	10.34*** (12.20)	9.867*** (11.44)	8.852*** (8.93)	7.180*** (5.34)	8.871*** (10.75)	3.340* (2.38)	-3.204 (-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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.672*** (-7.00)	-0.673*** (-7.27)	-0.700*** (-7.42)	-0.757*** (-8.83)	-0.802*** (-8.35)	-0.710*** (-6.86)	-0.652*** (-5.99)	-0.533*** (-4.34)	-0.662*** (-7.05)	-0.0653 (-0.39)	0.526 (1.68)
fuelpurg	0.0279*** (6.17)	0.0255*** (5.66)	0.0269*** (5.95)	0.0250*** (6.02)	0.0243*** (5.32)	0.0238*** (5.58)	0.0234*** (4.39)	0.0235*** (4.50)	0.0265*** (5.91)	0.0170*** (3.81)	0.00758 (1.14)
muslfish	0.999*** (4.07)	0.938*** (3.90)	1.035*** (4.21)	0.827** (3.28)	0.894** (3.13)	0.808** (2.91)	1.136*** (3.76)	1.096*** (3.72)	1.081*** (4.50)	0.945*** (4.11)	0.810** (3.17)
peaceidx	-0.190 (-1.63)	-0.139 (-1.18)	-0.197 (-1.69)	-0.119 (-0.97)	-0.209 (-1.66)	-0.213 (-1.75)	-0.157 (-1.21)	-0.256 (-1.81)	-0.242* (-2.16)	-0.141 (-1.45)	-0.0397 (-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*** (-4.85)	-1.988*** (-4.14)
_cons	8.561*** (10.10)	8.349*** (10.01)	8.823*** (10.53)	8.987*** (11.75)	9.638*** (10.73)	9.322*** (10.46)	8.136*** (7.95)	6.505*** (5.06)	8.429*** (10.20)	3.326* (2.33)	-1.731 (-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: In Value Added in Agric % GDP Replaces In GDP per capita

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lagva9005	0.792*** (6.88)	0.875*** (7.81)	0.820*** (7.24)	0.909*** (8.59)	0.892*** (7.09)	0.810*** (6.94)	0.739*** (5.53)	0.628*** (4.32)	0.777*** (7.23)	0.0459 (0.30)	-0.519* (-1.99)
fuelpurg	0.0279*** (5.64)	0.0257*** (5.48)	0.0268*** (5.62)	0.0259*** (6.19)	0.0264*** (5.44)	0.0262*** (6.04)	0.0227*** (3.98)	0.0233*** (4.10)	0.0264*** (5.59)	0.0147*** (3.48)	0.00566 (0.93)
muslpew	0.0122*** (3.47)	0.00927** (2.69)	0.0133*** (3.94)	0.00842* (2.51)	0.0108** (2.76)	0.00910* (2.54)	0.0149*** (3.58)	0.0137*** (3.55)	0.0135*** (4.11)	0.0114*** (4.06)	0.00978*** (3.41)
peaceidx	-0.338** (-2.67)	-0.250* (-2.09)	-0.349** (-2.83)	-0.288* (-2.35)	-0.344* (-2.54)	-0.307* (-2.31)	-0.236 (-1.81)	-0.335* (-2.33)	-0.390** (-3.26)	-0.226* (-2.10)	-0.0990 (-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*** (-6.17)	-1.924*** (-4.92)
_cons	0.656* (2.41)	0.144 (0.55)	0.573* (2.17)	0.0355 (0.14)	0.342 (1.28)	1.168*** (3.39)	0.479 (1.80)	0.140 (0.55)	0.641* (2.49)	2.581*** (6.25)	4.079*** (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: In Agric Empl % EAP Replaces In GDP per capita

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lagem0008	0.615*** (5.09)	0.695*** (5.95)	0.631*** (5.39)	0.758*** (7.44)	0.638*** (4.90)	0.538*** (4.26)	0.582*** (4.33)	0.514*** (3.79)	0.631*** (5.50)	0.381* (2.57)	-0.400 (-0.76)
fuelpurg	0.0310*** (5.69)	0.0275*** (5.26)	0.0279*** (5.37)	0.0269*** (6.20)	0.0219*** (4.30)	0.0232*** (5.23)	0.0198*** (3.52)	0.0211*** (3.73)	0.0267*** (5.17)	0.0236*** (4.55)	0.0137 (1.46)
muslpew	0.0122** (2.66)	0.00854* (1.99)	0.0140** (3.23)	0.00788* (2.05)	0.0144** (3.20)	0.0129** (3.20)	0.0172*** (3.66)	0.0157*** (3.56)	0.0147*** (3.39)	0.0139*** (3.41)	0.0116** (2.82)
peaceidx	-0.284* (-2.58)	-0.193 (-1.63)	-0.254* (-2.30)	-0.168 (-1.36)	-0.277* (-2.38)	-0.296** (-2.88)	-0.253* (-2.06)	-0.321* (-2.59)	-0.228* (-2.09)	-0.181 (-1.66)	-0.0324 (-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** (-3.02)	-1.691* (-2.23)
_cons	0.491 (1.48)	-0.0771 (-0.24)	0.478 (1.54)	-0.203 (-0.78)	0.417 (1.24)	1.369** (2.94)	0.482 (1.40)	0.0385 (0.14)	0.472 (1.55)	1.259** (3.13)	3.724* (2.22)
<i>N</i>	113	113	119	119	109	109	93	93	121	121	121
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.734*** (-6.42)	-0.804*** (-6.88)	-0.756*** (-6.59)	-0.883*** (-8.04)	-0.833*** (-6.85)	-0.743*** (-5.77)	-0.646*** (-4.93)	-0.527*** (-3.74)	-0.752*** (-6.50)	-0.0555 (-0.32)	0.867 (1.48)
lfuelwlthavgnz	0.0622** (3.05)	0.0557** (2.76)	0.0648** (3.25)	0.0661*** (3.53)	0.0543** (2.68)	0.0545** (2.79)	0.0295 (1.33)	0.0410 (1.84)	0.0659** (3.33)	0.0386* (2.15)	0.00256 (0.07)
muslpew	0.0175*** (4.80)	0.0140*** (3.66)	0.0175*** (5.02)	0.0130** (3.36)	0.0151*** (4.13)	0.0139*** (3.87)	0.0176*** (4.38)	0.0160*** (4.05)	0.0173*** (5.08)	0.0150*** (4.74)	0.0120*** (3.49)
peaceidx	-0.179 (-1.13)	-0.0780 (-0.50)	-0.167 (-1.07)	-0.125 (-0.76)	-0.168 (-1.11)	-0.182 (-1.27)	-0.151 (-1.00)	-0.251 (-1.52)	-0.148 (-0.97)	-0.0732 (-0.58)	0.0262 (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*** (-5.33)	-2.454** (-3.04)
_cons	9.155*** (8.76)	9.449*** (8.78)	9.348*** (8.93)	10.14*** (10.00)	10.01*** (8.89)	9.748*** (8.85)	8.163*** (6.65)	6.407*** (4.49)	9.300*** (8.83)	3.262* (2.17)	-4.737 (-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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.489*** (-4.50)	-0.514*** (-4.89)	-0.505*** (-4.77)	-0.579*** (-6.01)	-0.671*** (-6.04)	-0.574*** (-4.86)	-0.529*** (-4.14)	-0.422** (-2.99)	-0.465*** (-4.52)	0.198 (1.35)	0.726** (3.18)
oresexp	-0.00155 (-0.24)	-0.00160 (-0.24)	-0.00167 (-0.26)	-0.00103 (-0.16)	0.00279 (0.40)	0.00323 (0.48)	-0.00141 (-0.17)	-0.00169 (-0.21)	-0.000541 (-0.09)	0.00245 (0.47)	0.00483 (0.85)
muslpew	0.0215*** (6.15)	0.0188*** (5.20)	0.0215*** (6.35)	0.0171*** (4.53)	0.0167*** (4.67)	0.0155*** (4.38)	0.0208*** (5.22)	0.0202*** (5.25)	0.0218*** (6.57)	0.0166*** (5.73)	0.0126*** (4.07)
peaceidx	-0.263 (-1.79)	-0.199 (-1.38)	-0.281* (-1.98)	-0.208 (-1.43)	-0.295* (-1.99)	-0.297* (-2.11)	-0.203 (-1.35)	-0.295 (-1.76)	-0.327* (-2.45)	-0.173 (-1.61)	-0.0496 (-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*** (-6.91)	-2.202*** (-5.94)
_cons	7.102*** (7.07)	7.058*** (7.21)	7.229*** (7.38)	7.584*** (8.37)	8.562*** (8.06)	8.227*** (8.05)	7.135*** (5.81)	5.664*** (3.78)	6.796*** (7.26)	1.034 (0.79)	-3.559 (-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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.751*** (-8.67)	-0.759*** (-8.92)	-0.770*** (-9.22)	-0.810*** (-9.56)	-0.858*** (-10.66)	-0.784*** (-9.13)	-0.686*** (-7.96)	-0.615*** (-6.03)	-0.734*** (-9.06)	-0.0951 (-0.81)
fuelpurg	0.0309*** (7.68)	0.0297*** (7.45)	0.0295*** (7.80)	0.0290*** (7.69)	0.0248*** (6.13)	0.0246*** (6.07)	0.0236*** (5.75)	0.0234*** (5.46)	0.0298*** (7.96)	0.0181*** (4.56)
muslpew	0.0155*** (5.34)	0.0145*** (5.01)	0.0170*** (6.25)	0.0132*** (4.58)	0.0171*** (6.64)	0.0158*** (6.07)	0.0187*** (6.50)	0.0178*** (5.93)	0.0169*** (6.39)	0.0146*** (5.58)
peaceidx	-0.212 (-1.80)	-0.174 (-1.49)	-0.221 (-1.96)	-0.179 (-1.57)	-0.235* (-2.23)	-0.243* (-2.30)	-0.187 (-1.70)	-0.246* (-2.03)	-0.272* (-2.52)	-0.193 (-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*** (11.44)	8.812*** (11.52)	9.044*** (12.06)	9.199*** (12.25)	9.791*** (13.38)	9.525*** (12.86)	8.125*** (10.23)	7.203*** (6.78)	8.685*** (12.01)	3.306** (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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.701*** (-7.23)	-0.699*** (-7.26)	-0.714*** (-7.55)	-0.758*** (-8.45)	-0.828*** (-8.44)	-0.737*** (-6.95)	-0.717*** (-6.62)	-0.640*** (-5.34)	-0.669*** (-7.11)	-0.0423 (-0.26)	0.659* (2.01)
fuelpurg	0.0247*** (5.53)	0.0239*** (5.43)	0.0235*** (5.38)	0.0240*** (5.86)	0.0200*** (3.99)	0.0196*** (4.35)	0.0217*** (4.29)	0.0221*** (4.41)	0.0235*** (5.42)	0.0128** (3.08)	0.000903 (0.13)
muslpew	0.00637 (1.60)	0.00633 (1.61)	0.00741 (1.90)	0.00623 (1.62)	0.00582 (1.45)	0.00475 (1.24)	0.00789 (1.77)	0.00839 (1.88)	0.00828* (2.14)	0.00633 (1.97)	0.00415 (1.31)
peaceidx	-0.215 (-1.82)	-0.178 (-1.50)	-0.219 (-1.89)	-0.160 (-1.31)	-0.234 (-1.92)	-0.237* (-2.04)	-0.193 (-1.51)	-0.245 (-1.75)	-0.271* (-2.39)	-0.161 (-1.64)	-0.0384 (-0.30)
arableag	1.105** (2.75)	0.888* (2.21)	1.094** (2.86)	0.653 (1.62)	1.194** (2.85)	1.198** (3.07)	1.393** (3.15)	1.195** (2.73)	0.988* (2.57)	1.160*** (3.55)	1.353*** (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*** (-5.14)	-2.236*** (-4.40)
_cons	8.840*** (10.21)	8.667*** (9.91)	8.941*** (10.56)	9.080*** (11.22)	9.897*** (10.82)	9.589*** (10.49)	8.721*** (8.49)	7.694*** (6.15)	8.483*** (10.16)	3.119* (2.24)	-2.880 (-1.03)
<i>N</i>	158	158	164	164	140	140	116	116	173	173	173
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.256 (-1.88)	-0.279* (-2.07)	-0.288* (-2.13)	-0.380** (-2.76)	-0.466** (-3.35)	-0.425** (-3.06)	-0.328* (-2.25)	-0.254 (-1.77)	-0.258 (-1.97)	0.0419 (0.27)	0.681 (1.85)
fuelpurg	0.0197*** (4.93)	0.0188*** (4.73)	0.0188*** (4.72)	0.0192*** (4.90)	0.0193*** (4.57)	0.0194*** (4.85)	0.0192*** (4.45)	0.0195*** (4.48)	0.0188*** (4.87)	0.0141*** (3.73)	0.00398 (0.51)
muslpew	0.00881** (2.96)	0.00784* (2.60)	0.0101*** (3.47)	0.00754* (2.38)	0.00838* (2.52)	0.00776* (2.37)	0.0112** (3.16)	0.0108** (3.06)	0.0103*** (3.66)	0.0108*** (4.06)	0.0118*** (3.78)
peaceidx	-0.355** (-3.08)	-0.316** (-2.71)	-0.374** (-3.28)	-0.308* (-2.54)	-0.347** (-2.84)	-0.338** (-2.88)	-0.298* (-2.36)	-0.367** (-2.74)	-0.435*** (-3.81)	-0.289* (-2.53)	0.0215 (0.11)
demohist	-0.0260*** (-5.08)	-0.0249*** (-4.84)	-0.0253*** (-4.95)	-0.0225*** (-4.30)	-0.0188*** (-3.93)	-0.0173*** (-3.67)	-0.0186*** (-3.95)	-0.0178*** (-3.75)	-0.0267*** (-5.20)	-0.0164** (-2.79)	0.00581 (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** (-3.20)	-2.346** (-2.95)
_cons	5.591*** (5.28)	5.623*** (5.37)	5.830*** (5.53)	6.370*** (6.09)	7.179*** (6.36)	7.141*** (6.47)	5.751*** (4.74)	4.639*** (3.62)	5.521*** (5.42)	2.714* (2.03)	-3.272 (-0.99)
<i>N</i>	157	157	164	164	139	139	115	115	173	173	173
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.450*** (-4.10)	-0.471*** (-4.27)	-0.483*** (-4.50)	-0.562*** (-5.33)	-0.622*** (-5.74)	-0.579*** (-5.10)	-0.482*** (-4.05)	-0.426** (-3.26)	-0.455*** (-4.47)	0.0463 (0.31)	0.0580 (0.16)
fuelpurg	0.0221*** (4.97)	0.0215*** (4.91)	0.0211*** (4.85)	0.0212*** (5.12)	0.0209*** (4.38)	0.0210*** (4.50)	0.0211*** (4.34)	0.0214*** (4.42)	0.0202*** (4.77)	0.0125** (3.28)	0.0124 (1.92)
muslpew	0.00653 (1.93)	0.00607 (1.79)	0.00851** (2.62)	0.00568 (1.65)	0.00710 (1.90)	0.00675 (1.85)	0.00957* (2.19)	0.00957* (2.24)	0.00875** (2.80)	0.00884** (3.14)	0.00884** (3.13)
peaceidx	-0.130 (-1.06)	-0.110 (-0.91)	-0.154 (-1.27)	-0.103 (-0.83)	-0.145 (-1.09)	-0.155 (-1.22)	-0.0844 (-0.64)	-0.152 (-1.06)	-0.165 (-1.43)	-0.0909 (-0.87)	-0.0892 (-0.78)
fh0509ne	0.415*** (4.10)	0.384*** (3.70)	0.383*** (3.97)	0.340*** (3.52)	0.310** (3.21)	0.273** (2.85)	0.319** (2.86)	0.291** (2.72)	0.410*** (4.38)	0.323*** (3.56)	0.321** (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*** (-4.52)	-0.924 (-1.54)
_cons	5.392*** (4.74)	5.555*** (4.85)	5.744*** (5.20)	6.342*** (5.77)	7.147*** (6.36)	7.218*** (6.54)	5.686*** (4.58)	4.917*** (3.42)	5.377*** (5.18)	1.336 (1.06)	1.242 (0.43)
<i>N</i>	157	157	164	164	139	139	115	115	173	173	173
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.291 (-1.93)	-0.311* (-2.08)	-0.368* (-2.52)	-0.475** (-3.29)	-0.561*** (-3.74)	-0.470** (-3.11)	-0.383* (-2.45)	-0.305 (-1.87)	-0.362* (-2.56)	0.0663 (0.37)	1.193 (1.35)
fuelpurg	0.0191*** (4.19)	0.0177*** (3.88)	0.0185*** (4.00)	0.0184*** (4.12)	0.0180*** (3.65)	0.0178*** (3.82)	0.0169** (3.30)	0.0174** (3.38)	0.0196*** (4.33)	0.0131** (2.97)	-0.00420 (-0.26)
muslpew	0.00935** (2.89)	0.00772* (2.34)	0.0112*** (3.55)	0.00696 (1.98)	0.00976** (2.66)	0.00833* (2.30)	0.0131*** (3.50)	0.0129** (3.44)	0.0117*** (3.89)	0.0120*** (4.19)	0.0125** (3.17)
peaceidx	-0.249 (-1.79)	-0.218 (-1.54)	-0.280* (-2.08)	-0.211 (-1.48)	-0.256 (-1.78)	-0.258 (-1.88)	-0.177 (-1.24)	-0.324* (-2.07)	-0.372** (-2.82)	-0.194 (-1.59)	0.276 (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*** (-3.39)	-3.593 (-1.94)
_cons	5.737*** (4.80)	5.717*** (4.77)	6.294*** (5.38)	6.932*** (6.06)	7.776*** (6.16)	7.537*** (6.28)	6.010*** (4.47)	4.448** (2.93)	6.096*** (5.32)	2.303 (1.50)	-7.680 (-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** (2.69)	0.764 (1.31)	1.382*** (3.86)	0.414 (0.55)	0.845* (2.20)	0.529 (1.23)	1.224*** (3.48)	1.021** (3.05)	0.941** (2.73)
fuelpurg	-0.0648** (-2.74)	-0.0620** (-2.65)	-0.0901*** (-4.56)	-0.0781*** (-3.75)	-0.0714** (-3.31)	-0.0654** (-3.07)	-0.0840*** (-4.35)	-0.0754*** (-4.46)	-0.0720*** (-4.33)
muslpew	-0.0819*** (-4.33)	-0.0755*** (-3.75)	-0.0565*** (-4.02)	-0.0527*** (-3.80)	-0.0721*** (-4.87)	-0.0584*** (-3.69)	-0.0565*** (-4.49)	-0.0412** (-3.16)	-0.0353* (-2.44)
peaceidx	-0.160 (-0.34)	-0.155 (-0.33)	-0.303 (-0.61)	-0.306 (-0.61)	0.00830 (0.02)	-0.0193 (-0.04)	-0.329 (-0.72)	-0.544 (-1.18)	-0.628 (-1.32)
gem		3.228 (0.85)							
gii08old				-7.612 (-1.61)					
ggi0609						19.06* (2.11)			
fmin08								0.168*** (4.92)	0.234** (3.04)
_cons	-1.761 (-0.47)	-0.981 (-0.24)	-5.053 (-1.50)	7.388 (0.83)	0.0761 (0.02)	-10.30 (-1.79)	-4.165 (-1.31)	-5.914* (-2.01)	-6.601* (-2.15)
<i>N</i>	98	98	130	130	124	124	147	147	147
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.750*** (-6.79)	-0.428** (-3.06)	-0.793*** (-8.36)	-0.511** (-2.76)	-0.670*** (-6.47)	-0.514*** (-4.75)	-0.693*** (-7.16)	-0.604*** (-6.55)	-0.563*** (-5.81)
fuelpurg	0.0323*** (4.97)	0.0279*** (4.99)	0.0332*** (6.43)	0.0293*** (5.62)	0.0310*** (5.74)	0.0264*** (5.30)	0.0308*** (6.45)	0.0260*** (6.75)	0.0239*** (6.20)
muslim90	0.724 (1.55)	0.159 (0.31)	0.549 (1.55)	0.497 (1.40)	0.762* (2.05)	0.338 (0.89)	0.706* (2.17)	0.438 (1.52)	0.316 (1.07)
peaceidx	-0.269* (-2.07)	-0.308* (-2.29)	-0.248 (-1.88)	-0.250 (-1.84)	-0.288* (-2.21)	-0.284* (-2.24)	-0.279* (-2.27)	-0.213 (-1.78)	-0.184 (-1.46)
gem		-3.176*** (-3.60)							
gii08old				2.220 (1.85)					
ggi0609						-8.081** (-3.26)			
fmin08								-0.0561*** (-6.98)	-0.0817*** (-4.23)
_cons	9.083*** (9.01)	8.097*** (8.08)	9.589*** (11.09)	5.944** (2.69)	8.452*** (9.00)	12.59*** (7.59)	8.820*** (10.43)	9.129*** (11.75)	9.270*** (11.26)
<i>N</i>	108	108	138	138	133	133	167	167	167
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.717*** (-6.68)	-0.509*** (-4.23)	-0.756*** (-7.91)	-0.554** (-3.17)	-0.611*** (-5.84)	-0.503*** (-4.78)	-0.654*** (-6.80)	-0.587*** (-6.40)	-0.555*** (-5.84)
fuelpurg	0.0229*** (4.47)	0.0211*** (4.28)	0.0285*** (6.36)	0.0261*** (5.37)	0.0258*** (4.99)	0.0235*** (4.75)	0.0264*** (5.89)	0.0237*** (6.33)	0.0224*** (6.11)
muslfish	1.447*** (4.12)	1.137** (2.77)	0.992*** (3.42)	0.916** (3.13)	1.111*** (3.71)	0.754* (2.21)	1.081*** (4.36)	0.690** (2.74)	0.508 (1.71)
peaceidx	-0.223 (-1.67)	-0.246 (-1.88)	-0.225 (-1.76)	-0.228 (-1.76)	-0.274* (-2.15)	-0.275* (-2.17)	-0.224 (-1.96)	-0.184 (-1.64)	-0.166 (-1.41)
gem		-2.022* (-2.27)							
gii08old				1.615 (1.42)					
ggi0609						-6.243* (-2.40)			
fmin08								-0.0515*** (-6.04)	-0.0755*** (-3.59)
_cons	8.736*** (8.79)	8.083*** (8.57)	9.184*** (10.39)	6.567** (3.15)	7.841*** (8.15)	11.17*** (6.04)	8.368*** (9.84)	8.819*** (11.19)	9.030*** (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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lagva9005	0.798*** (6.22)	0.617*** (3.92)	0.820*** (7.16)	0.524** (3.16)	0.672*** (5.75)	0.595*** (5.10)	0.772*** (7.04)	0.646*** (6.54)	0.592*** (5.03)
fuelpurg	0.0245*** (5.00)	0.0230*** (4.58)	0.0302*** (6.73)	0.0268*** (5.72)	0.0254*** (4.89)	0.0238*** (4.58)	0.0263*** (5.53)	0.0232*** (5.68)	0.0218*** (5.16)
muslpew	0.0152** (3.25)	0.0122* (2.55)	0.0110** (3.02)	0.00928** (2.67)	0.0147*** (3.84)	0.0104* (2.59)	0.0136*** (3.99)	0.00997** (3.06)	0.00842* (2.37)
peaceidx	-0.338* (-2.61)	-0.346** (-2.66)	-0.345** (-2.65)	-0.297* (-2.15)	-0.365** (-2.67)	-0.341* (-2.53)	-0.368** (-3.00)	-0.328** (-2.80)	-0.310** (-2.63)
gem		-1.687 (-1.97)							
gii08old				2.537** (2.70)					
ggi0609						-5.702* (-2.40)			
fmin08								-0.0443*** (-5.73)	-0.0633** (-2.76)
_cons	0.321 (1.17)	1.781* (2.25)	0.433 (1.66)	-0.150 (-0.52)	0.692** (2.71)	4.825** (2.78)	0.659* (2.54)	1.893*** (5.38)	2.420*** (3.48)
<i>N</i>	105	105	134	134	130	130	163	163	163
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lagem0008	0.657*** (5.14)	0.495** (2.95)	0.612*** (4.78)	0.433* (2.39)	0.614*** (5.12)	0.531*** (4.37)	0.617*** (5.32)	0.519*** (4.86)	0.421*** (3.99)
fuelpurg	0.0234*** (4.51)	0.0225*** (4.46)	0.0261*** (4.85)	0.0243*** (4.54)	0.0275*** (5.24)	0.0264*** (5.23)	0.0267*** (5.18)	0.0257*** (5.79)	0.0247*** (5.68)
muslpew	0.0169*** (3.65)	0.0135** (2.82)	0.0143** (3.23)	0.0124** (3.03)	0.0149** (3.35)	0.00888 (1.94)	0.0148*** (3.42)	0.0104* (2.46)	0.00595 (1.34)
peaceidx	-0.268* (-2.29)	-0.272* (-2.32)	-0.285* (-2.37)	-0.247 (-1.94)	-0.280* (-2.36)	-0.288* (-2.48)	-0.236* (-2.16)	-0.236* (-2.19)	-0.235 (-1.92)
gem		-1.860 (-1.95)							
gii08old				1.933* (2.01)					
ggi0609						-7.776*** (-3.38)			
fmin08								-0.0404*** (-4.30)	-0.0801*** (-4.66)
_cons	0.392 (1.15)	1.981* (2.09)	0.499 (1.51)	0.0595 (0.19)	0.499 (1.59)	6.130*** (3.39)	0.494 (1.63)	1.607*** (3.72)	2.703*** (4.76)
<i>N</i>	105	105	109	109	114	114	118	118	118
adj. <i>R</i> 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: In Fuels Wealth per capita Replaces Fuels % Exports

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.566*** (-4.77)	-0.317* (-2.20)	-0.574*** (-4.53)	-0.0927 (-0.48)	-0.424*** (-3.57)	-0.305* (-2.56)	-0.469*** (-4.42)	-0.411*** (-4.20)	-0.393*** (-3.87)
oresexp	0.00585 (0.72)	0.00546 (0.61)	-0.000229 (-0.03)	0.000500 (0.07)	0.00185 (0.27)	0.00370 (0.55)	-0.00111 (-0.18)	0.000534 (0.10)	0.00103 (0.19)
muslpew	0.0274*** (6.19)	0.0215*** (4.52)	0.0200*** (5.27)	0.0161*** (4.44)	0.0235*** (6.37)	0.0170*** (4.27)	0.0222*** (6.54)	0.0161*** (4.99)	0.0143*** (3.76)
peaceidx	-0.271 (-1.75)	-0.296* (-1.99)	-0.303 (-1.93)	-0.294 (-1.86)	-0.384* (-2.50)	-0.370* (-2.47)	-0.302* (-2.22)	-0.241 (-1.86)	-0.223 (-1.69)
gem		-2.598** (-2.63)							
gii08old				4.123*** (3.46)					
ggi0609						-7.926** (-3.25)			
fmin08								-0.0568*** (-6.28)	-0.0739** (-3.35)
_cons	7.366*** (6.48)	6.714*** (6.08)	7.731*** (6.40)	1.306 (0.57)	6.220*** (5.56)	10.61*** (6.14)	6.844*** (7.04)	7.471*** (8.57)	7.661*** (8.52)
<i>N</i>	108	108	138	138	133	133	166	166	166
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.566*** (-4.77)	-0.317* (-2.20)	-0.574*** (-4.53)	-0.0927 (-0.48)	-0.424*** (-3.57)	-0.305* (-2.56)	-0.469*** (-4.42)	-0.411*** (-4.20)	-0.393*** (-3.87)
oresexp	0.00585 (0.72)	0.00546 (0.61)	-0.000229 (-0.03)	0.000500 (0.07)	0.00185 (0.27)	0.00370 (0.55)	-0.00111 (-0.18)	0.000534 (0.10)	0.00103 (0.19)
muslpew	0.0274*** (6.19)	0.0215*** (4.52)	0.0200*** (5.27)	0.0161*** (4.44)	0.0235*** (6.37)	0.0170*** (4.27)	0.0222*** (6.54)	0.0161*** (4.99)	0.0143*** (3.76)
peaceidx	-0.271 (-1.75)	-0.296* (-1.99)	-0.303 (-1.93)	-0.294 (-1.86)	-0.384* (-2.50)	-0.370* (-2.47)	-0.302* (-2.22)	-0.241 (-1.86)	-0.223 (-1.69)
gem		-2.598** (-2.63)							
gii08old				4.123*** (3.46)					
ggi0609						-7.926** (-3.25)			
fmin08								-0.0568*** (-6.28)	-0.0739** (-3.35)
_cons	7.366*** (6.48)	6.714*** (6.08)	7.731*** (6.40)	1.306 (0.57)	6.220*** (5.56)	10.61*** (6.14)	6.844*** (7.04)	7.471*** (8.57)	7.661*** (8.52)
<i>N</i>	108	108	138	138	133	133	166	166	166
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.775*** (-11.57)	-0.652*** (-6.86)	-0.815*** (-9.62)	-0.560*** (-3.79)	-0.664*** (-8.17)	-0.627*** (-7.76)	-0.725*** (-8.72)	-0.636*** (-7.61)
fuelpurg	0.0242*** (8.06)	0.0239*** (7.58)	0.0319*** (7.93)	0.0280*** (6.67)	0.0261*** (7.40)	0.0256*** (7.71)	0.0294*** (7.67)	0.0260*** (6.75)
muslpew	0.0226*** (9.82)	0.0201*** (7.51)	0.0151*** (5.48)	0.0152*** (5.67)	0.0202*** (7.78)	0.0172*** (6.37)	0.0172*** (6.22)	0.0120*** (4.21)
peaceidx	-0.162* (-2.05)	-0.191* (-2.34)	-0.174 (-1.50)	-0.152 (-1.35)	-0.264* (-2.60)	-0.232* (-2.47)	-0.258* (-2.32)	-0.212 (-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*** (14.25)	8.556*** (12.79)	9.375*** (12.23)	6.106*** (3.48)	7.925*** (10.60)	11.26*** (9.42)	8.603*** (11.57)	8.786*** (11.81)
<i>N</i>	108	108	138	138	133	133	170	170
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.714*** (-6.13)	-0.560*** (-4.13)	-0.788*** (-7.98)	-0.615** (-3.37)	-0.628*** (-5.96)	-0.549*** (-5.29)	-0.672*** (-6.92)	-0.603*** (-6.42)	-0.603*** (-6.42)
fuelpurg	0.0190*** (3.67)	0.0183*** (3.61)	0.0238*** (5.38)	0.0219*** (4.51)	0.0215*** (4.38)	0.0206*** (4.23)	0.0228*** (5.24)	0.0209*** (5.79)	0.0209*** (5.79)
muslpew	0.0124* (2.53)	0.0102 (1.89)	0.00393 (0.99)	0.00366 (0.90)	0.00891* (2.02)	0.00687 (1.47)	0.00850* (2.18)	0.00514 (1.37)	0.00514 (1.37)
peaceidx	-0.282* (-2.18)	-0.292* (-2.26)	-0.248 (-1.97)	-0.249 (-1.95)	-0.340* (-2.61)	-0.327* (-2.53)	-0.251* (-2.19)	-0.200 (-1.77)	-0.200 (-1.77)
arableag	1.084 (1.76)	0.948 (1.47)	1.443*** (3.38)	1.375** (3.13)	1.153* (2.39)	0.945* (1.98)	1.059** (2.68)	0.828* (2.34)	0.828* (2.34)
gem		-1.503 (-1.64)							
gii08old				1.363 (1.17)					
ggi0609						-4.352 (-1.74)			
fmin08								-0.0495*** (-5.86)	0 (.)
_cons	8.684*** (8.07)	8.222*** (7.83)	9.507*** (10.42)	7.277** (3.36)	7.978*** (8.17)	10.27*** (5.55)	8.517*** (9.83)	8.920*** (10.94)	8.920*** (10.94)
<i>N</i>	108	108	138	138	133	133	166	166	166
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) 2SLS
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.500*** (-4.16)	-0.465*** (-3.59)	-0.561*** (-5.10)	-0.441* (-2.61)	-0.453*** (-4.09)	-0.426*** (-3.86)	-0.446*** (-4.31)	-0.445*** (-4.43)	-0.445*** (-4.44)
fuelpurg	0.0201*** (4.01)	0.0199*** (3.97)	0.0244*** (5.56)	0.0230*** (4.82)	0.0211*** (4.49)	0.0206*** (4.39)	0.0205*** (4.83)	0.0197*** (5.23)	0.0199*** (5.12)
muslpew	0.00928 (1.91)	0.00874 (1.75)	0.00664 (1.87)	0.00636 (1.79)	0.00993* (2.56)	0.00864* (2.17)	0.00829* (2.50)	0.00597 (1.86)	0.00668 (1.91)
peaceidx	-0.187 (-1.38)	-0.192 (-1.42)	-0.163 (-1.21)	-0.167 (-1.23)	-0.226 (-1.72)	-0.231 (-1.78)	-0.147 (-1.25)	-0.132 (-1.16)	-0.137 (-1.21)
fh0509ne	0.397*** (3.61)	0.386** (3.34)	0.349*** (3.71)	0.335** (3.35)	0.322** (3.31)	0.286** (2.77)	0.420*** (4.39)	0.308** (3.18)	0.343** (2.77)
gem		-0.396 (-0.43)							
gii08old				1.016 (0.84)					
ggi0609						-2.568 (-1.01)			
fmin08								-0.0414*** (-4.89)	-0.0286 (-1.09)
_cons	5.646*** (4.66)	5.607*** (4.66)	6.437*** (5.69)	4.896* (2.48)	5.487*** (4.87)	7.114*** (3.38)	5.267*** (4.99)	6.441*** (6.15)	6.079*** (4.92)
<i>N</i>	107	107	138	138	133	133	166	166	166
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.329 (-1.83)	-0.351* (-2.03)	-0.441** (-2.85)	-0.690** (-2.90)	-0.259 (-1.68)	-0.186 (-1.20)	-0.335* (-2.31)	-0.388** (-2.86)	-0.382** (-2.71)
fuelpurg	0.0176** (3.19)	0.0177** (3.20)	0.0234*** (4.62)	0.0262*** (4.80)	0.0178*** (3.70)	0.0156** (3.16)	0.0194*** (4.27)	0.0177*** (4.47)	0.0179*** (4.47)
muslpew	0.0150*** (3.52)	0.0156* (2.65)	0.00869* (2.51)	0.00948** (2.85)	0.0134*** (3.64)	0.00838 (1.77)	0.0114*** (3.60)	0.00652* (2.02)	0.00705 (1.68)
peaceidx	-0.257 (-1.63)	-0.254 (-1.61)	-0.229 (-1.51)	-0.218 (-1.42)	-0.330* (-2.23)	-0.326* (-2.29)	-0.348* (-2.59)	-0.247 (-1.82)	-0.257 (-1.82)
gem		0.323 (0.16)							
gii08old				-2.749 (-1.13)					
ggi0609						-6.904 (-1.84)			
fmin08								-0.0619*** (-5.83)	-0.0553 (-1.62)
_cons	5.555*** (3.72)	5.559*** (3.74)	6.817*** (5.39)	10.60** (3.18)	5.022*** (3.90)	9.078** (3.22)	5.904*** (5.04)	7.534*** (6.65)	7.361*** (4.97)
<i>N</i>	63	63	92	92	85	85	119	119	119
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.670*** (-7.21)	-0.701*** (-7.72)	-0.731*** (-7.94)	-0.651*** (-6.96)	-0.645*** (-6.87)	-0.714*** (-7.54)	-0.670*** (-7.21)	-0.707*** (-6.89)	-0.630*** (-6.62)	-0.614*** (-6.38)	-0.643*** (-6.89)	-0.646*** (-6.78)
fuelpurg	0.0263*** (6.05)	0.0243*** (5.41)	0.0257*** (5.52)	0.0262*** (6.05)	0.0263*** (6.10)	0.0258*** (5.56)	0.0263*** (6.05)	0.0267*** (5.95)	0.0260*** (6.06)	0.0258*** (5.95)	0.0261*** (6.07)	0.0261*** (6.09)
muslpew	0.0128*** (4.37)	0.0104*** (3.37)	0.0105** (3.28)	0.0130*** (4.46)	0.0127*** (4.39)	0.0113*** (3.53)	0.0128*** (4.37)	0.0126*** (4.28)	0.0134*** (4.57)	0.0131*** (4.33)	0.0132*** (4.52)	0.0133*** (4.40)
peaceidx	-0.246* (-2.17)	-0.265* (-2.26)	-0.269* (-2.31)	-0.271* (-2.35)	-0.276* (-2.35)	-0.298* (-2.51)	-0.246* (-2.17)	-0.232* (-2.02)	-0.278* (-2.42)	-0.279* (-2.45)	-0.282* (-2.46)	-0.281* (-2.45)
fpop		-0.114* (-2.57)	-0.0782 (-0.78)									
fmrnat05					-1.278 (-1.64)	-0.993 (-0.32)						
sexratio								6.159 (0.95)				
u5mrfm										1.106 (1.40)		
lifexfm												0.573 (0.15)
_cons	8.467*** (10.27)	14.54*** (5.76)	12.99* (2.55)	8.279*** (9.96)	9.539*** (8.91)	9.866** (3.15)	8.467*** (10.27)	2.319 (0.36)	8.079*** (9.50)	7.008*** (6.46)	8.199*** (9.88)	7.610 (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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.419** (-3.06)	-0.361* (-2.17)	-0.746*** (-7.66)	-0.823*** (-7.93)	-0.643*** (-6.92)	-0.644*** (-6.61)	-0.669*** (-7.20)	-0.677*** (-7.41)	-0.674*** (-7.20)	-0.636*** (-4.13)	-0.454*** (-3.44)	-0.546** (-2.67)
fuelpurg	0.0224*** (4.69)	0.0224*** (4.66)	0.0297*** (6.83)	0.0271*** (5.71)	0.0253*** (5.77)	0.0254*** (5.66)	0.0262*** (6.04)	0.0258*** (5.68)	0.0261*** (6.01)	0.0261*** (6.00)	0.0230*** (5.12)	0.0236*** (4.87)
muslpew	0.0113*** (3.62)	0.0104** (3.03)	0.0104** (3.18)	0.0117*** (3.64)	0.0122*** (4.15)	0.0122*** (4.06)	0.0128*** (4.37)	0.0116*** (3.55)	0.0126*** (4.29)	0.0125*** (4.26)	0.0119*** (4.16)	0.0113*** (3.64)
peaceidx	-0.333* (-2.56)	-0.323* (-2.39)	-0.189 (-1.46)	-0.224 (-1.67)	-0.325** (-2.82)	-0.323** (-2.74)	-0.244* (-2.15)	-0.233* (-1.98)	-0.224 (-1.92)	-0.220 (-1.84)	-0.362** (-2.92)	-0.357** (-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*** (5.78)	6.659*** (5.76)	9.095*** (10.08)	9.183*** (10.18)	8.191*** (9.92)	8.191*** (9.90)	8.464*** (10.26)	8.951*** (9.11)	8.535*** (10.22)	8.156*** (5.62)	6.790*** (6.25)	7.794*** (4.01)
<i>N</i>	136	136	144	144	173	173	172	172	166	166	149	149
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.379** (-2.66)	-0.473** (-3.12)	-0.502** (-3.21)	-0.438** (-3.34)	-0.364* (-2.54)	-0.459** (-2.99)	-0.438** (-3.34)	-0.418** (-2.69)	-0.438** (-3.34)	-0.326* (-2.21)	-0.438** (-3.34)	-0.302 (-1.91)
fuelpurg	0.0195*** (4.25)	0.0175*** (3.90)	0.0186*** (3.85)	0.0231*** (5.19)	0.0196*** (4.27)	0.0191*** (3.79)	0.0231*** (5.19)	0.0202*** (4.19)	0.0231*** (5.19)	0.0190*** (4.11)	0.0231*** (5.19)	0.0189*** (4.02)
muslpew	0.0112*** (3.72)	0.00882** (2.72)	0.00846* (2.41)	0.0125*** (4.36)	0.0113*** (3.76)	0.00991** (2.89)	0.0125*** (4.36)	0.0111*** (3.66)	0.0125*** (4.36)	0.0117*** (3.74)	0.0125*** (4.36)	0.00983** (2.86)
peaceidx	-0.326* (-2.50)	-0.345** (-2.64)	-0.342* (-2.59)	-0.354** (-2.84)	-0.357** (-2.63)	-0.378** (-2.79)	-0.354** (-2.84)	-0.311* (-2.35)	-0.354** (-2.84)	-0.367** (-2.82)	-0.354** (-2.84)	-0.402** (-2.86)
fpop		-0.128** (-2.81)	-0.173 (-1.28)									
fmrnat05					-1.241* (-2.14)	-1.418 (-0.37)						
sexratio								6.458 (0.73)				
u5mrfm										1.439 (1.38)		
lifexfm												-9.092 (-1.69)
_cons	6.310*** (5.50)	13.55*** (4.42)	16.03* (2.25)	6.623*** (6.09)	7.405*** (6.14)	8.381* (2.04)	6.623*** (6.09)	-0.127 (-0.01)	6.623*** (6.09)	4.539** (2.85)	6.623*** (6.09)	15.33** (2.90)
<i>N</i>	122	122	115	152	123	116	152	122	152	125	152	126
adj. <i>R</i> 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)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509	fh0509
lgdp05pw	-0.438** (-3.34)	-0.417* (-2.37)	-0.454*** (-3.38)	-0.382** (-2.68)	-0.438** (-3.34)	-0.376* (-2.55)	-0.457*** (-3.45)	-0.251 (-1.15)	-0.425** (-3.17)	-0.467* (-2.22)
fuelpurg	0.0231*** (5.19)	0.0235*** (4.49)	0.0220*** (4.85)	0.0202*** (4.30)	0.0231*** (5.19)	0.0192*** (4.09)	0.0226*** (5.03)	0.0185*** (3.99)	0.0223*** (4.97)	0.0191*** (3.93)
muslpew	0.0125*** (4.36)	0.00860* (2.35)	0.0122*** (4.18)	0.0119*** (3.67)	0.0125*** (4.36)	0.0110** (3.14)	0.0117*** (4.07)	0.0103** (3.32)	0.0120*** (4.21)	0.0100** (3.16)
peaceidx	-0.354** (-2.84)	-0.211 (-1.35)	-0.362** (-2.88)	-0.373** (-2.72)	-0.354** (-2.84)	-0.320* (-2.34)	-0.281* (-2.24)	-0.276* (-2.05)	-0.363** (-2.92)	-0.382** (-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*** (6.09)	6.656*** (5.17)	6.764*** (6.06)	6.071*** (5.23)	6.623*** (6.09)	6.360*** (4.43)	6.883*** (6.33)	5.166** (2.69)	6.574*** (5.97)	7.490*** (3.78)
<i>N</i>	152	97	149	123	152	121	141	115	147	121
adj. <i>R</i> 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
Model	296.77255	5	59.35451	F(5, 167) =	34.36
Residual	322.02225	167	1.92827695	Prob > F =	0.0000
				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
Model	385.466551	5	77.0933102	F(5, 171) =	52.78
Residual	249.760231	171	1.46058615	Prob > F =	0.0000
				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		
Model	8067.50184	5	1613.50037	F(5, 160) =	18.22	
Residual	14165.2692	160	88.5329328	Prob > F =	0.0000	
				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
Model	333.330215	5	66.666043	F(5, 160) =	38.29
Residual	261.251233	160	1.63282021	Prob > F =	0.0000
Total	594.581448	165	3.60352393	R-squared =	0.5606
				Adj R-squared =	0.5469
				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
Model	340.156899	5	68.0313797	F(5, 160) =	42.78
Residual	254.424549	160	1.59015343	Prob > F =	0.0000
Total	594.581448	165	3.60352393	R-squared =	0.5721
				Adj R-squared =	0.5587
				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
Model	309.917074	4	77.4792685	F(4, 168) =	42.14
Residual	308.877727	168	1.8385579	Prob > F =	0.0000
				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
Model	5001.94434	5	1000.38887	F(5, 134) =	8.38
Residual	16002.7057	134	119.423177	Prob > F =	0.0000
Total	21004.65	139	151.11259	R-squared =	0.2381
				Adj R-squared =	0.2097
				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
Model	233.764609	5	46.7529219	F(5, 134) =	28.32
Residual	267.221393	134	1.9941895	Prob > F =	0.0000
Total	500.986003	139	3.60421585	R-squared =	0.4666
				Adj R-squared =	0.4467
				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
Model	324.494027	5	64.8988054	F(5, 134) =	49.27
Residual	176.491976	134	1.3171043	Prob > F =	0.0000
Total	500.986003	139	3.60421585	R-squared =	0.6477
				Adj R-squared =	0.6346
				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
Model	283.380873	4	70.8452181	F(4, 139) =	44.08
Residual	223.418852	139	1.60732987	Prob > F =	0.0000
Total	506.799725	143	3.54405402	R-squared =	0.5592
				Adj R-squared =	0.5465
				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
Model	4923.55454	5	984.710909	F(5, 134) =	8.21
Residual	16081.0955	134	120.008175	Prob > F =	0.0000
Total	21004.65	139	151.11259	R-squared =	0.2344
				Adj R-squared =	0.2058
				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
Model	106.759058	5	21.3518115	F(5, 134) =	19.09
Residual	394.226945	134	2.94199213	Prob > F =	0.0000
Total	500.986003	139	3.60421585	R-squared =	0.2131
				Adj R-squared =	0.1837
				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
Model	324.494027	5	64.8988054	F(5, 134) =	49.27
Residual	176.491976	134	1.3171043	Prob > F =	0.0000
Total	500.986003	139	3.60421585	R-squared =	0.6477
				Adj R-squared =	0.6346
				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)	sqrt(diag(V_b-V_B))
	(b)	(B)	Difference	S.E.
	ivdaughtpct	.		
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
Model	283.380873	4	70.8452181	F(4, 139) =	44.08
Residual	223.418852	139	1.60732987	Prob > F =	0.0000
				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
```

fh0509	Coef.	Robust 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

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```

fh0509	Coef.	Robust 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
```