

**Appendix 5.2:**  
**Determinants of the Death Penalty**  
**Instrumental probit, Cross-sectional analysis**

Death Penalty, CROSS SECTION, 2000:

CROSS SECTION: 2000:

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ivprobit death_penalty lagregdpl chpolity lgdpcap (iccprob= lagregiccprobl
leg_brit ratproc), robust
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```
Probit model with endogenous regressors      Number of obs   =      142
                                              Wald chi2(4)    =      57.92
Log pseudolikelihood = -116.25174             Prob > chi2     =      0.0000
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	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
death_pena~y						
iccprob	-2.233029	.627393	-3.56	0.000	-3.462697	-1.003361
lagregdpl	1.328904	.7064638	1.88	0.060	-.0557394	2.713548
chpolity	-.0322526	.0181526	-1.78	0.076	-.067831	.0033258
lgdpcap	-.1804697	.1061934	-1.70	0.089	-.3886049	.0276656
_cons	2.792907	.9447113	2.96	0.003	.9413074	4.644508
/lnsigma	-1.063511	.0791258	-13.44	0.000	-1.218595	-.9084276
/athrho	.677706	.4656268	1.46	0.146	-.2349056	1.590318
sigma	.3452414	.0273175			.2956452	.4031576
rho	.5900261	.3035278			-.2306782	.920198

```
Instrumented: iccprob
Instruments: lagregdpl chpolity lgdpcap lagregiccprobl leg_british ratproc
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Wald test of exogeneity (/athrho = 0): chi2(1) = 2.12 Prob > chi2 = 0.1455

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ivprobit death_penalty lagregdpl chpolity civwar68 lgdpcap (iccprob=
lagregiccprobl leg_brit ratproc), robust
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```
Probit model with endogenous regressors      Number of obs   =      142
                                              Wald chi2(5)    =      53.18
Log pseudolikelihood = -112.28294             Prob > chi2     =      0.0000
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	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
death_pena~y						
iccprob	-2.10825	.6834812	-3.08	0.002	-3.447848	-.7686513
lagregdpl	1.324744	.7138439	1.86	0.063	-.0743643	2.723852
chpolity	-.0326941	.0175246	-1.87	0.062	-.0670417	.0016536
civwar68	.3767434	.3574868	1.05	0.292	-.3239177	1.077405
lgdpcap	-.1792451	.1048981	-1.71	0.087	-.3848415	.0263514
_cons	2.638239	.9789543	2.69	0.007	.7195242	4.556955
/lnsigma	-1.092371	.0767374	-14.24	0.000	-1.242773	-.9419682
/athrho	.5761926	.4228339	1.36	0.173	-.2525466	1.404932
sigma	.3354204	.0257393			.2885828	.3898597





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ivprobit death_penalty lagregdp1 polity chpolity trans7 civwar68 islam protestn
cath frac_ethnic frac_lang frac_rel lgdpcap lurbanpop (opdp= lagregopdp1
leg_brit ratproc), robust
Probit model with endogenous regressors          Number of obs   =          97
                                                  Wald chi2(14)    =        268.18
Log pseudolikelihood = -77.185247                Prob > chi2      =          0.0000

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	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
death_pena~y						
opdp	-2.792563	.548271	-5.09	0.000	-3.867155	-1.717972
lagregdp1	-1.512599	.8628219	-1.75	0.080	-3.203699	.1785007
polity	.0000977	.0032823	0.03	0.976	-.0063354	.0065308
chpolity	.0016007	.0445355	0.04	0.971	-.0856872	.0888887
trans7	.0369407	.241405	0.15	0.878	-.4362045	.5100859
civwar68	-.1436012	.2351373	-0.61	0.541	-.6044619	.3172594
islam	.1970747	.3057701	0.64	0.519	-.4022237	.7963731
protestn	.4238156	.5822118	0.73	0.467	-.7172986	1.56493
cath	.2678445	.3089515	0.87	0.386	-.3376894	.8733784
frac_ethnic	.1687032	.5646556	0.30	0.765	-.9380014	1.275408
frac_lang	-.2362432	.4911521	-0.48	0.631	-1.198884	.7263972
frac_rel	.0609832	.2302445	0.26	0.791	-.3902878	.5122542
lgdpcap	.0601419	.1788335	0.34	0.737	-.2903654	.4106492
lurbanpop	.0156142	.3891518	0.04	0.968	-.7471092	.7783376
_cons	1.086532	.9618272	1.13	0.259	-.7986149	2.971678
/lnsigma	-.9725086	.0727546	-13.37	0.000	-1.115105	-.8299122
/athrho	3.274922	3.625873	0.90	0.366	-3.831659	10.3815
sigma	.3781333	.0275109			.3278808	.4360876
rho	.9971434	.0206857			-.9990609	1

```

Instrumented:  opdp
Instruments:  lagregdp1 polity chpolity trans7 civwar68 islam protestn cath
              frac_ethnic frac_lang frac_rel lgdpcap lurbanpop lagregopdp1
              leg_british ratproc

```

Wald test of exogeneity (/athrho = 0): chi2(1) = 0.82 Prob > chi2 = 0.3664

note: 0 failures and 1 success completely determined.

DROPPING COUNTRIES THAT HAVE OT RATIFIED THE ICCPR:

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ivprobit death_penalty lagregdp1 (opdp= lagregopdp1 leg_brit ratproc), robust
Probit model with endogenous regressors          Number of obs   =          140
                                                  Wald chi2(2)    =        281.88
Log pseudolikelihood = -117.92745                Prob > chi2      =          0.0000

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	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
death_pena~y						
opdp	-3.186541	.2018702	-15.79	0.000	-3.582199	-2.790882
lagregdp1	-1.596392	.764797	-2.09	0.037	-3.095367	-.0974176
_cons	2.126405	.471711	4.51	0.000	1.201869	3.050942





ivprobit death\_penalty lagregdp1 polity chpolity trans7 civwar68 islam protestn  
 cath frac\_ethnic frac\_lang frac\_rel lgdpcap lurbanpop (opdp= lagregopdp1  
 leg\_brit ratproc), robust

Probit model with endogenous regressors                      Number of obs     =            115  
    Wald chi2(14)     =            243.39  
 Log pseudolikelihood = -89.742093                              Prob > chi2        =            0.0000

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
death_pena~y						
opdp	-3.046769	.3456702	-8.81	0.000	-3.72427	-2.369268
lagregdp1	-2.068206	.6322897	-3.27	0.001	-3.307471	-.828941
polity	.0026815	.0032423	0.83	0.408	-.0036732	.0090362
chpolity	-.0423618	.0685887	-0.62	0.537	-.1767931	.0920696
trans7	.0241497	.2309051	0.10	0.917	-.4284159	.4767153
civwar68	-.144898	.2311916	-0.63	0.531	-.5980253	.3082292
islam	.3339019	.2575584	1.30	0.195	-.1709034	.8387071
protestn	.0523284	.5225879	0.10	0.920	-.9719251	1.076582
cath	.0561908	.3648973	0.15	0.878	-.6589946	.7713763
frac_ethnic	.3828425	.5791331	0.66	0.509	-.7522374	1.517922
frac_lang	-.2321505	.5104874	-0.45	0.649	-1.232687	.7683863
frac_rel	.0000688	.0002451	0.28	0.779	-.0004115	.0005492
lgdpcap	.1172041	.1608349	0.73	0.466	-.1980265	.4324346
lurbanpop	-.126451	.3717516	-0.34	0.734	-.8550707	.6021687
_cons	1.75527	1.107322	1.59	0.113	-.4150412	3.92558
/lnsigma	-.9951195	.0703163	-14.15	0.000	-1.132937	-.8573022
/athrho	2.031813	1.047127	1.94	0.052	-.0205172	4.084144
sigma	.3696793	.0259945			.322086	.4243052
rho	.9662076	.0695741			-.0205143	.9994332

Instrumented: opdp  
 Instruments: lagregdp1 polity chpolity trans7 civwar68 islam protestn cath  
 frac\_ethnic frac\_lang frac\_rel lgdpcap lurbanpop lagregopdp1  
 leg\_british ratproc

Wald test of exogeneity (/athrho = 0): chi2(1) =            3.77 Prob > chi2 = 0.0523