Online Appendix for “Coercion, Capacity, and Coordination: Predictors of Political Violence”

Sam R. Bell, David Cingranelli, Amanda Murdie, and Alper Caglayan

Table R1: Smaller Sample - Predicting Domestic Violence through 2009, RE GLS Regression

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) |
| VARIABLES | Coercion Specification | Coordination Specification | Capacity Specification | Full Specification |
|  |  |  |  |  |
| ***Coercion Variables*** |  |  |  |  |
| Low Torture t-1 | -4.55575 |  |  | -18.33126 |
|  | (7.19857) |  |  | (11.75251) |
| Low Kill t-1 | -7.45092 |  |  | -16.49818 |
|  | (7.06059) |  |  | (11.48518) |
| Low Disappearances t-1 | -32.73696\* |  |  | -40.49785\* |
|  | (19.41781) |  |  | (23.67536) |
| Low Political Prisoners t-1 | -11.08788\* |  |  | -26.47926\*\*\* |
|  | (6.09381) |  |  | (9.47275) |
| ***Coordination Variables*** |  |  |  |  |
| Freedom of Association t-1 |  | -11.61771 |  | 25.33802\* |
|  |  | (14.25612) |  | (12.93162) |
| Mobile Phone Subscribers/100 t-1 |  | 0.05520 |  | 0.92415\*\*\* |
|  |  | (0.17644) |  | (0.34752) |
| Internet Users/100 t-1 |  | -0.00001\* |  | 0.00001 |
|  |  | (0.00001) |  | (0.00001) |
| Non Violent Protest |  | 3.83173\*\* |  | 4.72602\*\* |
|  |  | (1.58094) |  | (2.14845) |
| ***Capacity Variables*** |  |  |  |  |
| GDP per Capita (ln) t-1 |  |  | 2.12134 | -25.69476\*\* |
|  |  |  | (4.93630) | (10.61963) |
| Electric Power Consumption t-1 |  |  | -0.00001 | -0.00001\* |
|  |  |  | (0.00001) | (0.00001) |
| Military Personnel t-1 |  |  | 0.00025\*\*\* | 0.00016\*\*\* |
|  |  |  | (0.00006) | (0.00006) |
| Military Personnel2 t-1 |  |  | -0.00001\*\*\* | -0.00001\* |
|  |  |  | (0.00001) | (0.00001) |
| ***Controls*** |  |  |  |  |
| Ethnic Linguistic Fractionalization t-1 |  |  |  | 42.70459 |
|  |  |  |  | (30.98947) |
| Population (ln) t-1 |  |  |  | -54.21807\*\*\* |
|  |  |  |  | (18.35542) |
| Polity t-1 |  |  |  | 0.22979 |
|  |  |  |  | (2.28146) |
| Coverage (ln) t-1 |  |  |  | 35.73271\*\*\* |
|  |  |  |  | (10.27437) |
| Lagged DVAR | 0.73615\*\*\* | 0.56926\*\*\* | 0.71528\*\*\* | 0.48119\*\*\* |
|  | (0.03298) | (0.07692) | (0.03543) | (0.08503) |
| Constant | 122.74686\*\*\* | -0.96168 | 1.65639 | 874.11800\*\*\* |
|  | (40.08077) | (15.04534) | (35.32191) | (320.82872) |
|  |  |  |  |  |
| Observations | 2024 | 2024 | 2024 | 2024 |
| Number of Countries | 150 | 150 | 150 | 150 |

Robust standard errors in parentheses

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**Table R2: Correlation Matrix**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Domestic Political Violence | Low Torture | Low Kill | Low Disappearances | Low Political Prisoners | Freedom of Association | Ethnic Linguistic Fractionalization | GDP per Capita (ln) | Electric Power Consumption |
| Domestic Political Violence | 1 |  |  |  |  |  |  |  |  |
| Low Torture | -0.164 | 1 |  |  |  |  |  |  |  |
| Low Kill | -0.282 | 0.569 | 1 |  |  |  |  |  |  |
| Low Disappearances | -0.294 | 0.371 | 0.58 | 1 |  |  |  |  |  |
| Low Political Prisoners | -0.191 | 0.48 | 0.468 | 0.433 | 1 |  |  |  |  |
| Freedom of Association | -0.047 | 0.368 | 0.291 | 0.275 | 0.606 | 1 |  |  |  |
| Ethnic Linguistic Fractionalization | 0.056 | -0.206 | -0.265 | -0.141 | -0.173 | -0.197 | 1 |  |  |
| GDP per Capita (ln) | 0.03 | 0.429 | 0.395 | 0.261 | 0.366 | 0.318 | -0.415 | 1 |  |
| Electric Power Consumption | 0.096 | -0.013 | -0.041 | -0.048 | 0.014 | 0.03 | -0.185 | 0.238 | 1 |
| Mobile Phone Subscribers/100 | -0.037 | 0.226 | 0.239 | 0.215 | 0.259 | 0.193 | -0.272 | 0.451 | 0.135 |
| Internet Users/100 | 0.037 | -0.017 | -0.043 | -0.029 | -0.011 | 0.001 | -0.137 | 0.158 | 0.744 |
| Military Personnel | 0.167 | -0.196 | -0.242 | -0.261 | -0.274 | -0.194 | -0.136 | -0.017 | 0.631 |
| Military Personnel Squared | 0.078 | -0.111 | -0.154 | -0.147 | -0.165 | -0.129 | -0.076 | -0.053 | 0.533 |
| Population (ln) | 0.201 | -0.422 | -0.416 | -0.308 | -0.375 | -0.239 | 0.032 | -0.229 | 0.406 |
| Polity | 0.062 | 0.284 | 0.204 | 0.227 | 0.591 | 0.71 | -0.243 | 0.35 | 0.138 |
| Coverage (ln) | 0.298 | -0.1 | -0.13 | -0.161 | -0.14 | -0.047 | -0.159 | 0.2 | 0.392 |
| Non Violent Protest | 0.525 | -0.043 | -0.102 | -0.086 | -0.038 | -0.002 | -0.103 | 0.196 | 0.46 |
|  |  |  |  |  |  |  |  |  |  |
|  | Mobile Phone Subscribers/100 | Internet Users/100 | Military Personnel Squared | Military Personnel Squared 2 | Population (ln) | Polity | Coverage (ln) | Non Violent Protest | |
| Mobile Phone Subscribers/100 | 1 |  |  |  |  |  |  |  |  |
| Internet Users/100 | 0.265 | 1 |  |  |  |  |  |  |  |
| Military Personnel | -0.043 | 0.393 | 1 |  |  |  |  |  |  |
| Military Personnel Squared | -0.033 | 0.336 | 0.866 | 1 |  |  |  |  |  |
| Population (ln) | -0.044 | 0.278 | 0.444 | 0.27 | 1 |  |  |  |  |
| Polity | 0.284 | 0.09 | -0.091 | -0.093 | 0.069 | 1 |  |  |  |
| Coverage (ln) | 0.025 | 0.23 | 0.328 | 0.177 | 0.752 | 0.23 | 1 |  |  |
| Non Violent Protest | -0.006 | 0.218 | 0.412 | 0.274 | 0.444 | 0.149 | 0.586 | 1 |  |

**Table R3: Variance Inflation Factor**

Variable | VIF 1/VIF

-------------+----------------------

Electric Power Consumption | 5.45 0.183416

Coverage | 3.84 0.260288

GDP per Cap (ln) | 3.50 0.285783

Population (ln) | 3.49 0.286798

Internet | 2.98 0.335772

Military Per. | 2.80 0.357004

Polity | 2.61 0.382557

Low Political Prisoner | 2.24 0.446895

Low Freedom of Assn | 2.22 0.451201

Non Violent Protest | 2.13 0.470226

Killing | 2.10 0.476063

Mobile Phone | 1.82 0.549594

Torture | 1.66 0.603791

LDVAR | 1.65 0.606419

Disappearances | 1.58 0.631906

Ethnic Ling. Fraction. | 1.38 0.727080

-------------+----------------------

Mean VIF | 2.59

**Table R4: Summary Statistics**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | |  | |  | |  |  |
|  | **Mean** | **SD** | **Min** | | **Max** | |
| Domestic Political Violence | 192.47 | 565.15 | 0 | | 17084.6 | |
| Low Torture | 0.72 | 0.73 | 0 | | 2 | |
| Low Kill | 1.29 | 0.77 | 0 | | 2 | |
| Low Disappearances | 1.68 | 0.63 | 0 | | 2 | |
| Low Political Prisoners | 1.18 | 0.85 | 0 | | 2 | |
| Freedom of Association | 1.18 | 0.81 | 0 | | 2 | |
| Ethnic Linguistic Fractionalization | 0.47 | 0.24 | 0 | | 1 | |
| GDP per Capita (ln) | 7.71 | 1.76 | 4.13 | | 17.32 | |
| Electric Power Consumption | 5.48E+10 | 1.80E+11 | -4.66E+11 | | 3.07E+12 | |
| Mobile Phone Subscribers/100 | 20.46 | 32.35 | -40.84 | | 208.65 | |
| Internet Users/100 | 1.95E+06 | 9.76E+06 | -2.02E+07 | | 2.98E+08 | |
| Military Personnel | 155325.62 | 366027 | -5.22E+05 | | 5.56E+06 | |
| Military Personnel Squared | 1.58E+11 | 1.12E+12 | 0 | | 3.10E+13 | |
| Population (ln) | 15.42 | 2.07 | 9.62 | | 21 | |
| Polity | 2.65 | 6.79 | -10 | | 10 | |
| Coverage (ln) | 5.77 | 2.23 | 0 | | 11.23 | |
| Non Violent Protest | 22.73 | 38.02 | 0 | | 430.2 | |

**Table R5: Full Specification, Independent Variables not lagged one year**

|  |  |
| --- | --- |
|  | (1) |
| VARIABLES | Full Specification no lags |
| ***Coercion Variables*** |  |
| Low Torture | -2.94132 |
|  | (6.82921) |
| Low Kill | -29.30187\*\*\* |
|  | (10.03160) |
| Low Disappearances | -47.05486\*\*\* |
|  | (16.55353) |
| Low Political Prisoners | -22.25913\*\* |
|  | (10.47722) |
| ***Coordination Variables*** |  |
| Freedom of Association | 7.13100 |
|  | (8.36556) |
| Mobile Phone Subscribers/100 | 0.33753\*\* |
|  | (0.13150) |
| Internet Users/100 | 0.00001\* |
|  | (0.00001) |
| Non Violent Protest | 3.16636\*\*\* |
|  | (0.68668) |
| ***Capacity Variables*** |  |
| GDP per Capita (ln) | -7.90111 |
|  | (5.58918) |
| Electric Power Consumption | -0.00001\*\* |
|  | (0.00001) |
| Military Personnel | 0.00017\*\*\* |
|  | (0.00006) |
| Military Personnel2 | -0.00001\*\*\* |
|  | (0.00001) |
| ***Controls*** |  |
| Ethnic Linguistic Fractionalization t-1 | 40.68371 |
|  | (25.31700) |
| Population (ln) t-1 | -39.08852\*\*\* |
|  | (11.17746) |
| Polity t-1 | 1.73312 |
|  | (1.13192) |
| Coverage (ln) t-1 | 21.65099\*\*\* |
|  | (5.62180) |
| Lagged DVAR | 0.50589\*\*\* |
|  | (0.05047) |
| Constant | 651.83792\*\*\* |
|  | (160.50859) |
|  |  |
| Observations | 2562 |
| Number of Countries | 155 |

Robust standard errors in parentheses

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**Table R6: Full Specification with Polity Squared**

|  |  |
| --- | --- |
|  | (1) |
|  | Full Specification |
| VARIABLES | Polity Squared |
|  |  |
| ***Coercion Variables*** |  |
| Low Torture t-1 | -14.12345\* |
|  | (8.07198) |
| Low Kill t-1 | -14.96601\* |
|  | (8.97023) |
| Low Disappearances t-1 | -36.75105\*\* |
|  | (16.12789) |
| Low Political Prisoners t-1 | -14.73100\*\* |
|  | (5.91784) |
| ***Coordination Variables*** |  |
| Freedom of Association t-1 | 16.39334\* |
|  | (8.67888) |
| Mobile Phone Subscribers/100 t-1 | 0.71033\*\* |
|  | (0.28950) |
| Internet Users/100 t-1 | 0.00001\* |
|  | (0.00001) |
| Non Violent Protest | 5.18951\*\* |
|  | (2.32404) |
| ***Capacity Variables*** |  |
| GDP per Capita (ln) t-1 | -27.46085\*\* |
|  | (13.46269) |
| Electric Power Consumption t-1 | -0.00001\* |
|  | (0.00001) |
| Military Personnel t-1 | 0.00013\*\* |
|  | (0.00007) |
| Military Personnel2 t-1 | -0.00001 |
|  | (0.00001) |
| ***Controls*** |  |
| Ethnic Linguistic Fractionalization t-1 | 53.33708 |
|  | (32.77359) |
| Population (ln) t-1 | -40.45275\*\*\* |
|  | (13.97932) |
| Polity t-1 | 0.19358 |
|  | (1.79770) |
| Polity Squared t-1 | 0.36327 |
|  | (0.44336) |
| Coverage (ln) t-1 | 25.01540\*\*\* |
|  | (7.53313) |
| Lagged DVAR | 0.39415\*\*\* |
|  | (0.08701) |
| Constant | 713.49342\*\*\* |
|  | (275.54326) |
|  |  |
| Observations | 2686 |
| Number of Country | 155 |

Robust standard errors in parentheses

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**Table R7: Interactions of Coordination Variables with Low Torture, RE GLS Regression**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) |
| VARIABLES | With Freedom of Association | With Mobile Phones | With Internet | With Non-Violent Protest |
| ***Interaction Terms*** |  |  |  |  |
| Low Torture t-1 \* Freedom of Association t-1 | -8.35837 |  |  |  |
|  | (10.11722) |  |  |  |
| Low Torture t-1 \* Mobile Phone Subscribers/100 t-1 |  | 0.16391 |  |  |
|  |  | (0.14527) |  |  |
| Low Torture t-1 \* Internet Users/100 t-1 |  |  | 0.00001\* |  |
|  |  |  | (0.00001) |  |
| Low Torture t-1 \* Non Violent Protest |  |  |  | -0.99999 |
| ***Coercion Variables*** |  |  |  |  |
| Low Torture t-1 | -2.33454 | -16.07412\* | -14.42067\* | 4.60363 |
|  | (13.10742) | (9.22005) | (8.10994) | (12.95478) |
| Low Kill t-1 | -13.89938 | -14.10486 | -14.39092\* | -13.09897 |
|  | (8.63545) | (8.63113) | (8.66317) | (8.68202) |
| Low Disappearances t-1 | -37.16296\*\* | -36.01718\*\* | -36.53525\*\* | -36.08892\*\* |
|  | (15.62133) | (15.86440) | (16.05590) | (15.96079) |
| Low Political Prisoners t-1 | -14.24540\*\* | -13.96595\*\* | -14.27046\*\* | -12.05508\* |
|  | (6.07263) | (6.02185) | (6.09081) | (6.30225) |
| ***Coordination Variables*** |  |  |  |  |
| Freedom of Association t-1 | 20.79721\* | 15.63660\* | 16.02028\* | 13.62412\* |
|  | (10.75055) | (8.56602) | (8.59674) | (8.03586) |
| Mobile Phone Subscribers/100 t-1 | 0.70870\*\* | 0.56629\* | 0.67264\*\* | 0.64290\*\* |
|  | (0.30121) | (0.31155) | (0.28271) | (0.25178) |
| Internet Users/100 t-1 | 0.00001\* | 0.00001\* | 0.00001 | 0.00001\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Non Violent Protest | 5.20325\*\* | 5.20477\*\* | 5.20369\*\* | 5.49425\*\* |
|  | (2.33395) | (2.33468) | (2.33191) | (2.49825) |
| ***Capacity Variables*** |  |  |  |  |
| GDP per Capita (ln) t-1 | -24.11921\*\* | -24.50074\*\* | -24.48678\*\* | -22.59872\*\* |
|  | (10.93400) | (10.78296) | (10.73705) | (9.86650) |
| Electric Power Consumption t-1 | -0.00001\* | -0.00001\* | -0.00001\* | -0.00001\*\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Military Personnel t-1 | 0.00013\* | 0.00013\* | 0.00014\*\* | 0.00012\* |
|  | (0.00007) | (0.00007) | (0.00007) | (0.00007) |
| Military Personnel2 t-1 | -0.00001 | -0.00001 | -0.00001 | -0.00001\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| ***Controls*** |  |  |  |  |
| Ethnic Linguistic Fractionalization t-1 | 48.72209 | 50.85884 | 51.96025 | 42.45684 |
|  | (31.90882) | (32.11768) | (32.03605) | (30.92724) |
| Population (ln) t-1 | -39.95103\*\*\* | -40.57645\*\*\* | -41.88577\*\*\* | -36.08384\*\*\* |
|  | (14.29232) | (14.20262) | (14.61855) | (11.89854) |
| Polity t-1 | 0.73834 | 0.74611 | 0.68334 | 0.68642 |
|  | (1.51607) | (1.46953) | (1.46952) | (1.44321) |
| Coverage (ln) t-1 | 25.13122\*\*\* | 24.96488\*\*\* | 24.82310\*\*\* | 24.77016\*\*\* |
|  | (7.54179) | (7.61113) | (7.60079) | (7.51699) |
| Lagged DVAR | 0.39041\*\*\* | 0.39036\*\*\* | 0.39169\*\*\* | 0.40895\*\*\* |
|  | (0.08663) | (0.08706) | (0.08702) | (0.08094) |
| Constant | 694.58932\*\* | 711.94421\*\*\* | 732.43576\*\*\* | 621.35307\*\*\* |
|  | (277.69035) | (272.91546) | (280.16397) | (219.51219) |
| Observations | 2686 | 2686 | 2686 | 2686 |
| Number of Country | 155 | 155 | 155 | 155 |

Robust standard errors in parentheses

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**Table R8: Interactions of Coordination Variables with Low Killing, RE GLS Regression**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) |
| VARIABLES | With Freedom of Association | With Mobile Phones | With Internet | With Non-Violent Protest |
| ***Interaction Terms*** |  |  |  |  |
| Low Kill t-1 \* Freedom of Association t-1 | -4.47169 |  |  |  |
|  | (10.93955) |  |  |  |
| Low Kill t-1 \*Mobile Phone Subscribers/100 t-1 |  | -0.08434 |  |  |
|  |  | (0.17429) |  |  |
| Low Killt-1 \* Internet Users/100 t-1 |  |  | 0.00001 |  |
|  |  |  | (0.00001) |  |
| Low Kill t-1 \* Non Violent Protest |  |  |  | -0.86089 |
|  |  |  |  | (0.53981) |
| ***Coercion Variables*** |  |  |  |  |
| Low Torture t-1 | -12.63649 | -13.01537\* | -13.03970\* | -13.70230\* |
|  | (7.79310) | (7.83495) | (7.84681) | (8.01206) |
| Low Kill t-1 | -9.28773 | -12.51171 | -14.39202 | 3.33659 |
|  | (15.36782) | (8.09457) | (8.76059) | (12.68581) |
| Low Disappearances t-1 | -37.09664\*\* | -37.02174\*\* | -36.55121\*\* | -34.46830\*\* |
|  | (15.15237) | (15.67120) | (15.98721) | (15.37851) |
| Low Political Prisoners t-1 | -14.04731\*\* | -14.01252\*\* | -14.10866\*\* | -12.54833\*\* |
|  | (5.98494) | (5.99825) | (6.04476) | (5.92340) |
| ***Coordination Variables*** |  |  |  |  |
| Freedom of Association t-1 | 21.21861 | 16.50983\* | 16.05171\* | 13.41764\* |
|  | (14.88520) | (8.61954) | (8.53658) | (7.94281) |
| Mobile Phone Subscribers/100 t-1 | 0.71724\*\* | 0.85200\*\* | 0.70024\*\* | 0.62080\*\* |
|  | (0.29371) | (0.42590) | (0.28535) | (0.24347) |
| Internet Users/100 t-1 | 0.00001\* | 0.00001 | 0.00001\* | 0.00001\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Non Violent Protest | 5.20418\*\* | 5.20530\*\* | 5.19914\*\* | 5.53577\*\* |
|  | (2.32939) | (2.33495) | (2.33194) | (2.50290) |
| ***Capacity Variables*** |  |  |  |  |
| GDP per Capita (ln) t-1 | -24.34023\*\* | -24.50954\*\* | -24.35581\*\* | -21.89565\*\* |
|  | (10.83358) | (10.79421) | (10.72586) | (9.68061) |
| Electric Power Consumption t-1 | -0.00001\* | -0.00001\* | -0.00001\* | -0.00001\*\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Military Personnel t-1 | 0.00013\* | 0.00013\* | 0.00013\* | 0.00012\* |
|  | (0.00007) | (0.00007) | (0.00007) | (0.00006) |
| Military Personnel2 t-1 | -0.00001 | -0.00001 | -0.00001 | -0.00001\*\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| ***Controls*** |  |  |  |  |
| Ethnic Linguistic Fractionalization t-1 | 49.89506 | 50.29279 | 50.78606 | 37.41983 |
|  | (32.04894) | (31.96081) | (32.04519) | (31.29648) |
| Population (ln) t-1 | -40.35638\*\*\* | -40.42255\*\*\* | -40.87922\*\*\* | -34.35338\*\*\* |
|  | (14.19967) | (14.06167) | (14.45443) | (11.46685) |
| Polity t-1 | 0.74249 | 0.62669 | 0.66859 | 0.78972 |
|  | (1.56514) | (1.45447) | (1.46846) | (1.38560) |
| Coverage (ln) t-1 | 25.16929\*\*\* | 25.35821\*\*\* | 25.03395\*\*\* | 26.21328\*\*\* |
|  | (7.56657) | (7.67788) | (7.64473) | (7.24267) |
| Lagged DVAR | 0.39092\*\*\* | 0.39054\*\*\* | 0.39183\*\*\* | 0.41207\*\*\* |
|  | (0.08667) | (0.08692) | (0.08699) | (0.08046) |
| Constant | 700.94394\*\* | 704.62146\*\*\* | 714.27436\*\* | 576.75112\*\*\* |
|  | (279.05469) | (270.33633) | (277.38475) | (201.62084) |
|  |  |  |  |  |
| Observations | 2686 | 2686 | 2686 | 2686 |
| Number of Country | 155 | 155 | 155 | 155 |

Robust standard errors in parentheses

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**Table R9: Interactions of Coordination Variables with Low Disappearances, RE GLS Regression**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) |
| VARIABLES | With Freedom of Association | With Mobile Phones | With Internet | With Non-Violent Protest |
| ***Interaction Terms*** |  |  |  |  |
| Low Disappearances t-1 \* Freedom of Association t-1 | -17.56405 |  |  |  |
|  | (13.98036) |  |  |  |
| Low Disappearances t-1 \* Mobile Phone Subscribers/100 t-1 |  | 0.24591 |  |  |
|  |  | (0.43437) |  |  |
| Low Disappearances t-1  \* Internet Users/100 t-1 |  |  | 0.00001 |  |
|  |  |  | (0.00001) |  |
| Low Disappearances t-1  \* Non Violent Protest |  |  |  | -0.83165 |
|  |  |  |  | (0.53453) |
| ***Coercion Variables*** |  |  |  |  |
| Low Torture t-1 | -12.71331 | -13.04417\* | -13.15654\* | -14.40859\* |
|  | (7.78572) | (7.84466) | (7.92463) | (8.23853) |
| Low Kill t-1 | -13.48827 | -13.84448 | -14.07315 | -14.75433\* |
|  | (8.65218) | (8.71873) | (8.67007) | (8.42840) |
| Low Disappearances t-1 | -23.20769 | -38.59928\*\* | -37.29960\*\* | -12.27471 |
|  | (20.95856) | (17.93799) | (16.44962) | (9.80582) |
| Low Political Prisoners t-1 | -13.25538\*\* | -14.00021\*\* | -14.50292\*\* | -13.60824\*\* |
|  | (5.89755) | (6.00372) | (6.09570) | (5.99056) |
| ***Cooperation Variables*** |  |  |  |  |
| Freedom of Association t-1 | 44.24261\* | 15.67194\* | 16.24092\* | 13.34533\* |
|  | (25.53982) | (8.44966) | (8.58035) | (7.80448) |
| Mobile Phone Subscribers/100 t-1 | 0.71909\*\* | 0.24316 | 0.69667\*\* | 0.64933\*\* |
|  | (0.29552) | (0.85411) | (0.29373) | (0.25401) |
| Internet Users/100 t-1 | 0.00001\* | 0.00001\* | 0.00001 | 0.00001\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Non Violent Protest | 5.22804\*\* | 5.19717\*\* | 5.16577\*\* | 5.60593\*\* |
|  | (2.32050) | (2.33154) | (2.31449) | (2.53805) |
| ***Capacity Variables*** |  |  |  |  |
| GDP per Capita (ln) t-1 | -24.20506\*\* | -24.24017\*\* | -23.81579\*\* | -22.37651\*\* |
|  | (10.72102) | (10.69094) | (10.39368) | (9.70043) |
| Electric Power Consumption t-1 | -0.00001\* | -0.00001\* | -0.00001\* | -0.00001\*\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Military Personnel t-1 | 0.00013\* | 0.00014\* | 0.00014\*\* | 0.00012\*\* |
|  | (0.00007) | (0.00007) | (0.00007) | (0.00006) |
| Military Personnel2 t-1 | -0.00001 | -0.00001 | -0.00001 | -0.00001\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| ***Controls*** |  |  |  |  |
| Ethnic Linguistic Fractionalization t-1 | 48.84859 | 50.82432 | 50.44169 | 37.81030 |
|  | (31.81016) | (31.80777) | (31.38443) | (28.97941) |
| Population (ln) t-1 | -40.78273\*\*\* | -40.40779\*\*\* | -41.20620\*\*\* | -36.64706\*\*\* |
|  | (14.08952) | (14.12869) | (14.12258) | (12.53159) |
| Polity t-1 | 0.81486 | 0.70712 | 0.65142 | 0.77507 |
|  | (1.51969) | (1.44635) | (1.50284) | (1.36774) |
| Coverage (ln) t-1 | 24.69676\*\*\* | 24.94081\*\*\* | 24.77479\*\*\* | 28.42326\*\*\* |
|  | (7.39639) | (7.73453) | (7.50986) | (6.94383) |
| Lagged DVAR | 0.39013\*\*\* | 0.39078\*\*\* | 0.39942\*\*\* | 0.43706\*\*\* |
|  | (0.08566) | (0.08694) | (0.08645) | (0.07386) |
| Constant | 692.89697\*\* | 709.52756\*\*\* | 717.65202\*\*\* | 590.46249\*\*\* |
|  | (274.52229) | (271.61638) | (268.89402) | (208.89625) |
| Observations | 2686 | 2686 | 2686 | 2686 |
| Number of Country | 155 | 155 | 155 | 155 |

Robust standard errors in parentheses

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**Table R10: Interactions of Coordination Variables with Low Political Prisoners, RE GLS Regression**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) |
| VARIABLES | With Freedom of Association | With Mobile Phones | With Internet | With Non-Violent Protest |
| ***Coercion Variables*** |  |  |  |  |
| Low Political Prisoners t-1\* Freedom of Association t-1 | -5.17468 |  |  |  |
|  | (12.43280) |  |  |  |
| Low Political Prisoners t-1\* Mobile Phone Subscribers/100 t-1 |  | 0.11969 |  |  |
|  |  | (0.12588) |  |  |
| Low Political Prisoners t-1\* Internet Users/100 t-1 |  |  | 0.00001 |  |
|  |  |  | (0.00001) |  |
| Low Political Prisoners t-1\* Non Violent Protest |  |  |  | -0.83095 |
|  |  |  |  | (0.61068) |
| ***Coercion Variables*** |  |  |  |  |
| Low Torture t-1 | -12.91403\* | -12.87195 | -12.96631\* | -11.70021 |
|  | (7.77433) | (7.85378) | (7.85660) | (7.94130) |
| Low Kill t-1 | -13.92493 | -14.22560\* | -14.24725 | -12.45317 |
|  | (8.62059) | (8.58173) | (8.66222) | (8.34113) |
| Low Disappearances t-1 | -36.74136\*\* | -36.07340\*\* | -36.60008\*\* | -34.08068\*\* |
|  | (15.72717) | (15.94310) | (16.04271) | (14.50938) |
| Low Political Prisoners t-1 | -8.41676 | -16.11244\*\* | -15.12638\*\* | 1.85593 |
|  | (12.98602) | (7.01545) | (6.09954) | (13.58949) |
| ***Coordination Variables*** |  |  |  |  |
| Freedom of Association t-1 | 21.42088 | 15.84385\* | 15.96374\* | 13.86760\* |
|  | (16.38763) | (8.54525) | (8.55091) | (7.79422) |
| Mobile Phone Subscribers/100 t-1 | 0.70838\*\* | 0.54023 | 0.68419\*\* | 0.67285\*\* |
|  | (0.30649) | (0.37388) | (0.28568) | (0.26541) |
| Internet Users/100 t-1 | 0.00001\* | 0.00001\* | 0.00001 | 0.00001\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Non Violent Protest | 5.19839\*\* | 5.20141\*\* | 5.20054\*\* | 5.55026\*\* |
|  | (2.33497) | (2.33553) | (2.33118) | (2.54344) |
| ***Capacity Variables*** |  |  |  |  |
| GDP per Capita (ln) t-1 | -23.89933\*\* | -24.35877\*\* | -24.49580\*\* | -23.03844\*\* |
|  | (11.30447) | (10.79397) | (10.74599) | (9.97582) |
| Electric Power Consumption t-1 | -0.00001\* | -0.00001\* | -0.00001\* | -0.00001\*\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Military Personnel t-1 | 0.00013\* | 0.00013\* | 0.00014\* | 0.00013\* |
|  | (0.00007) | (0.00007) | (0.00007) | (0.00007) |
| Military Personnel2 t-1 | -0.00001 | -0.00001 | -0.00001 | -0.00001\*\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| ***Controls*** |  |  |  |  |
| Ethnic Linguistic Fractionalization t-1 | 49.37393 | 51.49515 | 50.73441 | 42.31540 |
|  | (31.95131) | (32.09257) | (31.85139) | (30.70689) |
| Population (ln) t-1 | -40.36775\*\*\* | -40.68465\*\*\* | -41.58163\*\*\* | -36.31330\*\*\* |
|  | (14.17183) | (14.15655) | (14.48875) | (12.07683) |
| Polity t-1 | 0.63807 | 0.72403 | 0.70316 | 0.41003 |
|  | (1.43094) | (1.47425) | (1.46464) | (1.56692) |
| Coverage (ln) t-1 | 25.09815\*\*\* | 25.14087\*\*\* | 24.89911\*\*\* | 26.75244\*\*\* |
|  | (7.47811) | (7.61446) | (7.59975) | (7.03521) |
| Lagged DVAR | 0.39084\*\*\* | 0.38989\*\*\* | 0.39178\*\*\* | 0.41454\*\*\* |
|  | (0.08592) | (0.08695) | (0.08700) | (0.07871) |
| Constant | 699.29860\*\* | 711.58009\*\*\* | 727.98508\*\*\* | 608.35540\*\*\* |
|  | (279.05663) | (271.20803) | (278.40164) | (211.72203) |
|  |  |  |  |  |
| Observations | 2686 | 2686 | 2686 | 2686 |
| Number of Country | 155 | 155 | 155 | 155 |

Robust standard errors in parentheses

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**Table R11: Interactions of Capacity Variables with Low Torture, RE GLS Regression**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) |
| VARIABLES | With GDP per Cap | With Electricity | With Military Person. | With Military Person Squared. |
| ***Interaction Terms*** |  |  |  |  |
| Low Torture t-1 \* GDP per Capita t-1 | -3.21682 |  |  |  |
|  | (5.15620) |  |  |  |
| Low Torture t-1 \* Electric Power Cons. t-1 |  | -0.00001 |  |  |
|  |  | (0.00001) |  |  |
| Low Torture t-1 \* Military Personnel t-1 |  |  | -0.00020\*\* |  |
|  |  |  | (0.00009) |  |
| Low Torture t-1 \*Military Personnel2 t-1 |  |  |  | -0.00001\*\*\* |
|  |  |  |  | (0.00001) |
| ***Coercion Variables*** |  |  |  |  |
| Low Torture t-1 | 11.67049 | -8.49263 | 6.87099 | -5.78783 |
|  | (36.39534) | (7.40762) | (10.18275) | (7.44113) |
| Low Kill t-1 | -14.10917 | -13.21518 | -14.02198 | -13.68242 |
|  | (8.66722) | (8.73133) | (8.73903) | (8.66175) |
| Low Disappearances t-1 | -36.93634\*\* | -36.83399\*\* | -34.78872\*\* | -36.18791\*\* |
|  | (15.61047) | (16.10155) | (15.40496) | (16.03687) |
| Low Political Prisoners t-1 | -13.82743\*\* | -14.22025\*\* | -14.76366\*\* | -14.84131\*\* |
|  | (5.94187) | (5.92426) | (5.81798) | (5.85721) |
| ***Capacity Variables*** |  |  |  |  |
| Freedom of Association t-1 | 15.92164\* | 15.70693\* | 14.54883\* | 15.60994\* |
|  | (8.61665) | (8.55985) | (8.49704) | (8.55028) |
| Mobile Phone Subscribers/100 t-1 | 0.72547\*\* | 0.72781\*\* | 0.72585\*\* | 0.72931\*\* |
|  | (0.28905) | (0.29807) | (0.29824) | (0.29822) |
| Internet Users/100 t-1 | 0.00001 | 0.00001 | 0.00001 | 0.00001 |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Non Violent Protest | 5.19762\*\* | 5.21024\*\* | 5.26359\*\* | 5.24016\*\* |
|  | (2.33730) | (2.33287) | (2.34357) | (2.33568) |
| ***Coercion Variables*** |  |  |  |  |
| GDP per Capita (ln) t-1 | -22.19435\* | -23.55575\*\* | -25.02793\*\* | -25.58134\*\* |
|  | (13.44914) | (10.68149) | (10.85470) | (10.89277) |
| Electric Power Consumption t-1 | -0.00001\* | -0.00001 | -0.00001\* | -0.00001\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Military Personnel t-1 | 0.00013\* | 0.00012\* | 0.00018\*\* | 0.00017\*\* |
|  | (0.00007) | (0.00007) | (0.00007) | (0.00007) |
| Military Personnel2 t-1 | -0.00001 | -0.00001 | -0.00001\*\* | -0.00001\*\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| ***Controls*** |  |  |  |  |
| Ethnic Linguistic Fractionalization t-1 | 49.72034 | 48.25917 | 39.42465 | 45.58434 |
|  | (31.69360) | (32.10135) | (30.78265) | (30.90267) |
| Population (ln) t-1 | -40.35526\*\*\* | -38.30807\*\*\* | -38.30812\*\*\* | -41.10106\*\*\* |
|  | (14.07486) | (13.65854) | (13.44817) | (14.17863) |
| Polity t-1 | 0.68745 | 0.70167 | 0.51270 | 0.66204 |
|  | (1.47568) | (1.46173) | (1.46433) | (1.43456) |
| Coverage (ln) t-1 | 25.72274\*\*\* | 25.19801\*\*\* | 24.98350\*\*\* | 24.51275\*\*\* |
|  | (7.83121) | (7.54326) | (7.52921) | (7.59049) |
| Lagged DVAR | 0.39011\*\*\* | 0.39308\*\*\* | 0.39232\*\*\* | 0.39422\*\*\* |
|  | (0.08667) | (0.08666) | (0.08659) | (0.08618) |
| Constant | 687.53969\*\* | 665.99174\*\* | 673.13171\*\*\* | 724.75154\*\*\* |
|  | (280.51869) | (260.83133) | (258.77961) | (274.00310) |
|  |  |  |  |  |
| Observations | 2686 | 2686 | 2686 | 2686 |
| Number of Country | 155 | 155 | 155 | 155 |

Robust standard errors in parentheses

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**Table R12: Interactions of Capacity Variables with Low Killing, RE GLS Regression**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) |
| VARIABLES | With GDP per Cap | With Electricity | With Military Person. | With Military Person Squared. |
| ***Interaction Terms*** |  |  |  |  |
| Low Killt-1\* GDP per Capita t-1 | -5.06963 |  |  |  |
|  | (6.27278) |  |  |  |
| Low Killt-1\* Electric Power Cons. t-1 |  | -0.00001 |  |  |
|  |  | (0.00001) |  |  |
| Low Killt-1\* Military Personnel t-1 |  |  | -0.00004 |  |
|  |  |  | (0.00003) |  |
| Low Kill t-1\*Military Personnel2 t-1 |  |  |  | -0.00001 |
|  |  |  |  | (0.00001) |
| ***Coercion Variables*** |  |  |  |  |
| Low Torture t-1 | -12.24547\* | -12.92231\* | -13.69030\* | -13.16169\* |
|  | (7.42389) | (7.84165) | (7.76604) | (7.81678) |
| Low Kill t-1 | 22.21069 | -12.82002 | -7.78781 | -12.87444 |
|  | (43.24859) | (8.91338) | (8.91118) | (8.75112) |
| Low Disappearances t-1 | -37.91405\*\* | -36.64091\*\* | -35.45648\*\* | -36.21766\*\* |
|  | (15.20774) | (16.08322) | (15.84712) | (15.94912) |
| Low Political Prisoners t-1 | -13.91066\*\* | -14.20860\*\* | -14.61715\*\* | -14.03031\*\* |
|  | (5.92844) | (5.99929) | (5.94341) | (5.99130) |
| ***Coordination Variables*** |  |  |  |  |
| Freedom of Association t-1 | 16.17088\* | 16.20890\* | 15.67126\* | 16.07520\* |
|  | (8.59547) | (8.59176) | (8.54490) | (8.57709) |
| Mobile Phone Subscribers/100 t-1 | 0.74118\*\*\* | 0.72453\*\* | 0.72225\*\* | 0.72124\*\* |
|  | (0.28349) | (0.29454) | (0.29821) | (0.29752) |
| Internet Users/100 t t-1 | 0.00001 | 0.00001 | 0.00001 | 0.00001 |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Non Violent Protest | 5.19141\*\* | 5.19254\*\* | 5.20116\*\* | 5.20408\*\* |
|  | (2.33701) | (2.32805) | (2.33226) | (2.33491) |
| ***Capacity Variables*** |  |  |  |  |
| GDP per Capita (ln) t-1 | -18.06211 | -24.05923\*\* | -24.53744\*\* | -24.45862\*\* |
|  | (16.74044) | (10.69199) | (10.77682) | (10.78585) |
| Electric Power Consumption t-1 | -0.00001\* | -0.00001\* | -0.00001\* | -0.00001\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Military Personnel t-1 | 0.00013\* | 0.00013\* | 0.00016\*\* | 0.00014\* |
|  | (0.00007) | (0.00007) | (0.00007) | (0.00007) |
| Military Personnel2 t-1 | -0.00001 | -0.00001 | -0.00001\* | -0.00001 |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| ***Controls*** |  |  |  |  |
| Ethnic Linguistic Fractionalization t-1 | 48.41561 | 49.40782 | 44.78150 | 49.47272 |
|  | (31.60678) | (31.77073) | (30.87012) | (31.54472) |
| Population (ln) t-1 | -40.74866\*\*\* | -39.76154\*\*\* | -38.94939\*\*\* | -39.94692\*\*\* |
|  | (14.01477) | (14.14974) | (13.85125) | (14.07316) |
| Polity t-1 | 0.66844 | 0.65829 | 0.59207 | 0.65246 |
|  | (1.46416) | (1.47561) | (1.46436) | (1.45540) |
| Coverage (ln) t-1 | 26.24039\*\*\* | 25.23442\*\*\* | 25.49580\*\*\* | 25.23792\*\*\* |
|  | (8.03017) | (7.54052) | (7.55927) | (7.58857) |
| Lagged DVAR | 0.38937\*\*\* | 0.39317\*\*\* | 0.38815\*\*\* | 0.38961\*\*\* |
|  | (0.08631) | (0.08687) | (0.08789) | (0.08705) |
| Constant | 664.77381\*\* | 692.43634\*\* | 678.46359\*\* | 697.54343\*\*\* |
|  | (287.36945) | (270.99692) | (264.58062) | (270.47692) |
|  |  |  |  |  |
| Observations | 2686 | 2686 | 2686 | 2686 |
| Number of Country | 155 | 155 | 155 | 155 |

Robust standard errors in parentheses

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**Table R13: Interactions of Capacity Variables with Low Disappearances, RE GLS Regression**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) |
| VARIABLES | With GDP per Cap | With Electricity | With Military Person. | With Military Person Squared. |
| ***Interaction Terms*** |  |  |  |  |
| Low Disappearances t-1\* GDP per Capita t-1 | -0.19697 |  |  |  |
|  | (13.66147) |  |  |  |
| Low Disappearances t-1\* Electric Power Cons. t-1 |  | -0.00001 |  |  |
|  |  | (0.00001) |  |  |
| Low Disappearances t-1\* Military Personnel t-1 |  |  | -0.00005 |  |
|  |  |  | (0.00004) |  |
| Low Disappearances t-1\*Military Personnel2 t-1 |  |  |  | -0.00001 |
|  |  |  |  | (0.00001) |
| ***Coercion Variables*** |  |  |  |  |
| Low Torture t-1 | -13.02569\* | -13.13305\* | -13.94690\* | -13.35030\* |
|  | (7.84498) | (7.90225) | (8.00430) | (7.90352) |
| Low Kill t-1 | -13.97988\* | -14.08674 | -15.08614\* | -14.43374\* |
|  | (8.46645) | (8.60246) | (8.57543) | (8.58635) |
| Low Disappearances t-1 | -35.25562 | -32.11891\*\* | -22.23299\* | -32.81474\*\* |
|  | (95.36610) | (14.42082) | (13.08110) | (15.23684) |
| Low Political Prisoners t-1 | -14.15801\*\* | -14.29523\*\* | -14.96607\*\* | -14.17855\*\* |
|  | (6.02288) | (6.02288) | (5.89007) | (5.97594) |
| ***Coordination Variables*** |  |  |  |  |
| Freedom of Association t-1 | 16.18983\* | 16.51898\* | 15.75115\* | 16.05239\* |
|  | (8.61104) | (8.60921) | (8.55448) | (8.57948) |
| Mobile Phone Subscribers/100 t-1 | 0.71590\*\*\* | 0.73377\*\* | 0.73383\*\* | 0.73055\*\* |
|  | (0.26211) | (0.30017) | (0.30141) | (0.30114) |
| Internet Users/100 t-1 | 0.00001 | 0.00001 | 0.00001 | 0.00001 |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Non Violent Protest | 5.19311\*\* | 5.19908\*\* | 5.24134\*\* | 5.22030\*\* |
|  | (2.33578) | (2.32730) | (2.34343) | (2.33806) |
| ***Capacity Variables*** |  |  |  |  |
| GDP per Capita (ln) t-1 | -23.94254 | -23.58847\*\* | -25.16728\*\* | -24.74354\*\* |
|  | (29.56420) | (10.44254) | (10.94789) | (10.86331) |
| Electric Power Consumption t-1 | -0.00001\* | -0.00001 | -0.00001\* | -0.00001\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Military Personnel t-1 | 0.00013\* | 0.00012\* | 0.00018\*\*\* | 0.00012\* |
|  | (0.00007) | (0.00006) | (0.00007) | (0.00007) |
| Military Personnel2 t-1 | -0.00001 | -0.00001 | -0.00001 | -0.00001 |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| ***Control Variables*** |  |  |  |  |
| Ethnic Linguistic Fractionalization t-1 | 50.18350 | 47.00285 | 38.82670 | 46.47879 |
|  | (31.88089) | (30.48583) | (30.24855) | (30.79824) |
| Population (ln) t-1 | -40.55236\*\*\* | -38.92119\*\*\* | -39.18848\*\*\* | -39.91067\*\*\* |
|  | (13.73871) | (13.38451) | (13.74857) | (13.98440) |
| Polity t-1 | 0.66141 | 0.54753 | 0.38951 | 0.53632 |
|  | (1.47442) | (1.51509) | (1.50074) | (1.46421) |
| Coverage (ln) t-1 | 25.16697\*\*\* | 25.64356\*\*\* | 26.58763\*\*\* | 25.69694\*\*\* |
|  | (7.07925) | (7.42798) | (7.53098) | (7.62349) |
| Lagged DVAR | 0.39307\*\*\* | 0.39667\*\*\* | 0.38654\*\*\* | 0.38905\*\*\* |
|  | (0.08562) | (0.08686) | (0.08834) | (0.08718) |
| Constant | 705.25739\*\* | 669.25546\*\*\* | 672.26788\*\*\* | 695.21451\*\*\* |
|  | (335.31580) | (253.02157) | (259.62372) | (268.15451) |
|  |  |  |  |  |
| Observations | 2686 | 2686 | 2686 | 2686 |
| Number of Country | 155 | 155 | 155 | 155 |

Robust standard errors in parentheses

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**Table R14: Interactions of Capacity Variables with Low Political Prisoners, RE GLS Regression**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) |
| VARIABLES | With GDP per Cap | With Electricity | With Military Person. | With Military Person Squared. |
| ***Interaction Terms*** |  |  |  |  |
| Low Political Prisonerst-1\* GDP per Capita t-1 | -2.16195 |  |  |  |
|  | (4.00009) |  |  |  |
| Low Political Prisonerst-1\* Electric Power Cons. t-1 |  | -0.00001 |  |  |
|  |  | (0.00001) |  |  |
| Low Political Prisoners t-1\* Military Personnel t-1 |  |  | -0.00004 |  |
|  |  |  | (0.00006) |  |
| Low Political Prisonerst-1\*Military Personnel2 t-1 |  |  |  | 0.00001 |
|  |  |  |  | (0.00001) |
| ***Coercion Variables*** |  |  |  |  |
| Low Torture t-1 | -12.49782 | -13.03307\* | -13.22463\* | -12.90761\* |
|  | (7.75450) | (7.85898) | (7.80224) | (7.79484) |
| Low Kill t-1 | -13.86376 | -13.96136 | -14.50925\* | -13.62342 |
|  | (8.60997) | (8.64146) | (8.70278) | (8.64460) |
| Low Disappearances t-1 | -36.98919\*\* | -36.57349\*\* | -36.24449\*\* | -36.62699\*\* |
|  | (15.89967) | (16.01796) | (15.73427) | (15.96030) |
| Low Political Prisoners t-1 | 1.73666 | -14.10861\*\* | -9.32044 | -15.08919\*\* |
|  | (27.81291) | (5.98840) | (9.25094) | (6.11217) |
| ***Coordination Variables*** |  |  |  |  |
|  |  |  |  |  |
| Freedom of Association t-1 | 16.27079\* | 16.17887\* | 16.19901\* | 15.80414\* |
|  | (8.58650) | (8.59145) | (8.56633) | (8.65660) |
| Mobile Phone Subscribers/100 t-1 | 0.72980\*\* | 0.71530\*\* | 0.71954\*\* | 0.71143\*\* |
|  | (0.29117) | (0.29677) | (0.29923) | (0.29771) |
| Internet Users/100 t-1 | 0.00001 | 0.00001\* | 0.00001\* | 0.00001\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Non Violent Protest | 5.20249\*\* | 5.19550\*\* | 5.20575\*\* | 5.20335\*\* |
|  | (2.33395) | (2.33016) | (2.33690) | (2.33270) |
| ***Capacity Variables*** |  |  |  |  |
| GDP per Capita (ln) t-1 | -22.34174\* | -24.28852\*\* | -24.70689\*\* | -24.12346\*\* |
|  | (12.65213) | (10.71891) | (10.94774) | (10.80495) |
| Electric Power Consumption t-1 | -0.00001\* | -0.00001\* | -0.00001\*\* | -0.00001\*\* |
|  | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Military Personnel t-1 | 0.00013\* | 0.00013\* | 0.00016\*\* | 0.00012 |
|  | (0.00007) | (0.00007) | (0.00008) | (0.00008) |
| Military Personnel2 t-1 | -0.00001 | -0.00001 | -0.00001 | -0.00001 |
| ***Controls*** | (0.00001) | (0.00001) | (0.00001) | (0.00001) |
| Ethnic Linguistic Fractionalization t-1 | 48.95808 | 50.29443 | 48.42697 | 50.38586 |
|  | (32.12291) | (31.74483) | (31.32989) | (32.08817) |
| Population (ln) t-1 | -40.29499\*\*\* | -40.48623\*\*\* | -40.21596\*\*\* | -39.95036\*\*\* |
|  | (14.08679) | (14.02213) | (14.00062) | (14.28151) |
| Polity t-1 | 0.67877 | 0.66270 | 0.58469 | 0.69464 |
|  | (1.46051) | (1.48419) | (1.51847) | (1.47932) |
| Coverage (ln) t-1 | 25.62901\*\*\* | 25.14968\*\*\* | 25.38951\*\*\* | 25.24431\*\*\* |
|  | (7.51269) | (7.48641) | (7.45621) | (7.60910) |
| Lagged DVAR | 0.39032\*\*\* | 0.39260\*\*\* | 0.39211\*\*\* | 0.39017\*\*\* |
|  | (0.08691) | (0.08685) | (0.08669) | (0.08695) |
| Constant | 688.22557\*\* | 706.53986\*\*\* | 700.02295\*\*\* | 698.46291\*\* |
|  | (276.30761) | (268.31624) | (266.75038) | (273.29558) |
|  |  |  |  |  |
| Observations | 2686 | 2686 | 2686 | 2686 |
| Number of Country | 155 | 155 | 155 | 155 |

Robust standard errors in parentheses

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**Table R15: Predicting Domestic Violence Quarterly Data RE GLS Regression**

|  |  |  |
| --- | --- | --- |
|  | (1) | (2) |
| VARIABLES | Baseline Data and Model Specification | Alternate Model |
|  |  |  |
| Lagged DVAR | 0.62088\*\*\* | 0.49747\*\*\* |
|  | (0.07017) | (0.05771) |
| Non Violent Protest t-1 | 0.37859\* | -0.62160\*\*\* |
|  | (0.20168) | (0.21554) |
| IDEA Political Killings t-2 | 25.83337\*\* |  |
|  | (13.02210) |  |
| IDEA Censorship t-2 | 0.75697 |  |
|  | (2.67062) |  |
| IDEA Political Beatings t-2 | 10.55989 |  |
|  | (9.68997) |  |
| IDEA Political Arrests t-2 | 3.16915 |  |
|  | (2.20046) |  |
| Population (ln) t-4 | -0.76068 | -4.11575 |
|  | (2.83455) | (3.06185) |
| Coverage (ln) t-4 | 8.89493\*\*\* | 3.57972\* |
|  | (2.67493) | (1.88775) |
| Polity | -0.15688 | 0.21228 |
|  | (0.41033) | (0.33170) |
| GDP Per Capita (ln) t-4 | -4.01438\*\*\* | -3.62792\*\*\* |
|  | (1.31941) | (1.32683) |
| Non Violent Protest |  | 3.00130\*\*\* |
|  |  | (0.96879) |
| IDEA Accommodation t-2 |  | -0.93052\*\* |
|  |  | (0.38346) |
| IDEA Repression t-2 |  | 1.93736\*\*\* |
|  |  | (0.42833) |
| Constant | -5.48460 | 71.70176 |
|  | (37.42068) | (47.20548) |
|  |  |  |
| Observations | 7590 | 7590 |
| Number of Countries | 149 | 149 |

Robust standard errors in parentheses

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**Other Results Available in our Online Appendix**

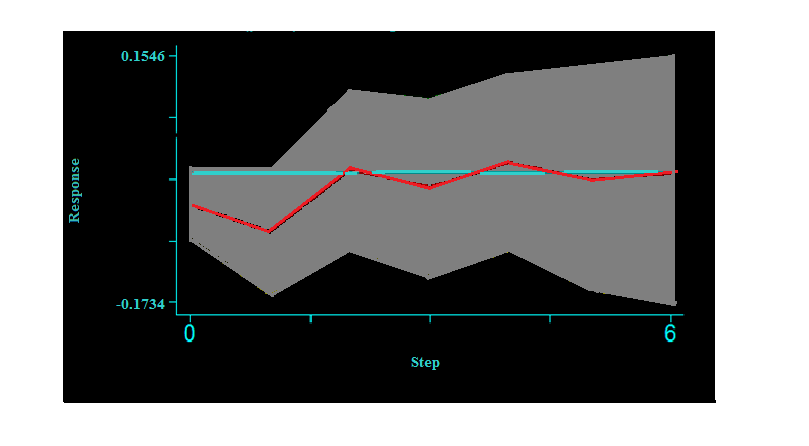
**Table 1: Models with Lagged Non-Violent Protest and Model without Lagged Dependent Variable**

|  |  |  |  |
| --- | --- | --- | --- |
|  | (1) | (2) | (5) |
|  |  |  |  |
| VARIABLES | Baseline Model with Lagged Nonviolent Protest | All Countries with Lagged Nonviolent Protest Model | No Lagged Dependent Variable Model |
|  |  |  |  |
| Lagged DVAR | 0.59898\*\*\* | 0.51746\*\*\* | -- |
|  | (0.043) | (0.054) | -- |
| CIRI Torture t-1 | -23.68687\* | -14.44185\* | -15.66322 |
|  | (12.530) | (8.487) | (10.060) |
| CIRI Kill t-1 | -22.40203\* | -17.46907\* | -38.10539\*\*\* |
|  | (12.150) | (8.960) | (12.110) |
| CIRI Disappearances t-1 | -28.08799 | -30.07804\*\* | -58.93379\*\*\* |
|  | (17.480) | (13.230) | (17.072) |
| CIRI Political Prisoners t-1 | -16.44115 | -10.72119 | -19.05540\* |
|  | (11.614) | (6.944) | (10.323) |
| CIRI Association t-1 | 13.69280 | 11.53461 | 20.09285 |
|  | (10.259) | (7.968) | (13.932) |
| Ethnic Linguistic Fractionalization t-1 | 36.89173 | 50.95170\* | 74.96971 |
|  | (26.296) | (28.426) | (62.029) |
| GDP per Capita (ln) t-1 | -29.75316\*\* | -24.37068\*\* | -27.24240 |
|  | (12.001) | (11.208) | (18.864) |
| Electric Power Consumption t-1 | -0.00001 | -0.00001 | -0.00001\*\* |
|  | (0.001) | (0.001) | (0.001) |
| Mobile Phone Subscribers/100 t-1 | 0.78281\*\* | 0.60467\*\* | 0.77927\* |
|  | (0.320) | (0.283) | (0.440) |
| Internet Users/100 t-1 | -0.00001 | -0.00001 | 0.00001\* |
|  | (0.001) | (0.001) | (0.001) |
| Military Personnel t-1 | 0.00020\*\*\* | 0.00022\*\*\* | 0.00014 |
|  | (0.00007) | (0.00008) | (0.0001) |
| Military Personnel2 t-1 | -0.00001\*\* | -0.00001\*\* | -0.00001 |
|  | (0.001) | (0.001) | (0.001) |
| Population (ln) t-1 | -53.47934\*\*\* | -39.86961\*\* | -43.56529\*\* |
|  | (20.163) | (15.717) | (17.894) |
| Polity t-1 | -0.07915 | 0.24064 | 1.79650 |
|  | (2.509) | (1.735) | (1.976) |
| Coverage (ln) t-1 | 71.50373\*\*\* | 53.56487\*\*\* | 43.12404\*\*\* |
|  | (23.578) | (16.762) | (12.080) |
| Non Violent Protest | -- | -- | 6.05177\*\* |
|  | -- | -- | (2.370) |
| Non Violent Protest t-1 | 0.76950\*\* | 0.81469\*\* | -- |
|  | (0.332) | (0.341) | -- |
| Constant | 700.50147\*\*\* | 560.04454\*\* | 756.75748\*\* |
|  | (269.990) | (228.362) | (331.291) |
|  |  |  |  |
| Observations | 2,024 | 2,686 | 2,219 |
| Number of Countries | 150 | 155 | 150 |
| R-Squared Overall | 0.4699 | 0.4802 | 0.4417 |
| R-Squared Between | 0.8573 | 0.8500 | 0.6310 |
| R-Squared Within | 0.1167 | 0.1139 | 0.2573 |

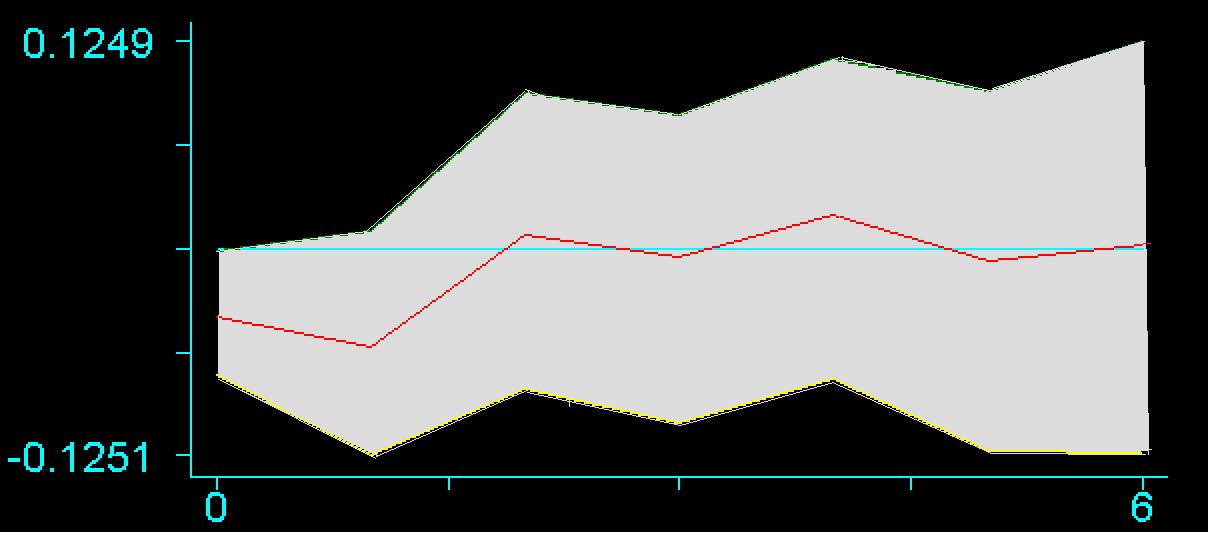
NOTE: Models 1 and 3 exclude observations where there were no Reuters reports for domestic political violence or non-violent protest in the country-year. Robust standard errors in parentheses.

\*\*\* p<0.01, \*\* p<0.05, \* p<0.1

**Impulse-Response Functions (with 95% Confidence Interval) Based on Panel VAR Model with lags, Response of CIRI Physical Integrity to Domestic Political Violence (Results based on Monte-Carlo with 500 reps)**

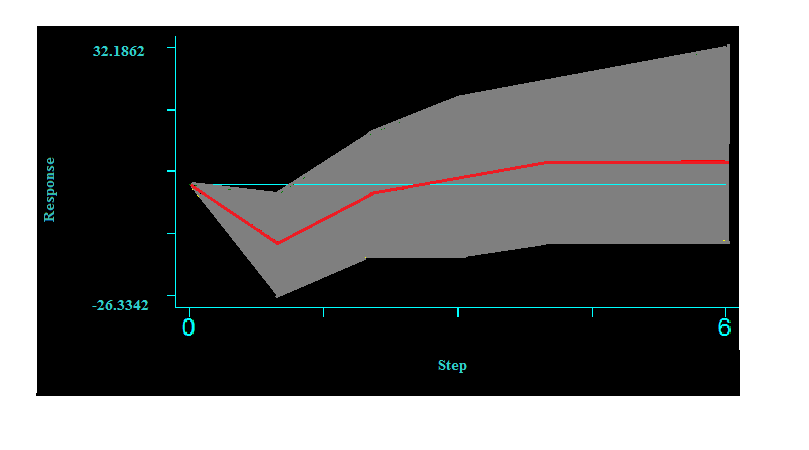


Restricted sample excluding observations where there were no Reuters reports for domestic political violence or non-violent protest in the country-year

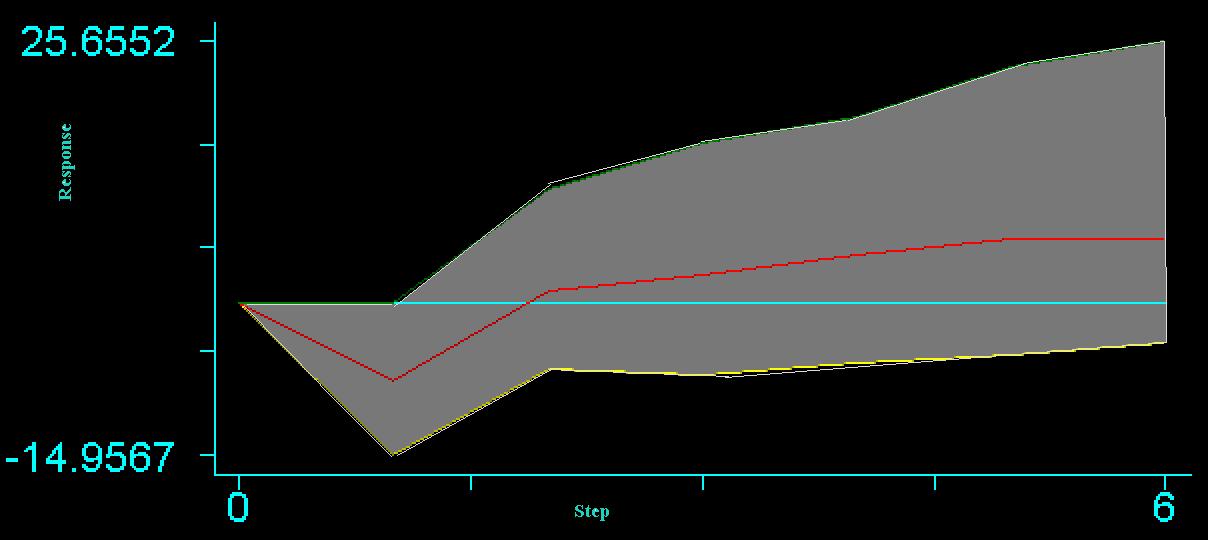


Expanded sample

**Impulse-Response Functions (with 95% Confidence Interval) based on Panel VAR Model with lags, Response of Domestic Political Violence to CIRI Physical Integrity (Results based on Monte-Carlo with 500 reps)**



Restricted sample excluding observations where there were no Reuters reports for domestic political violence or non-violent protest in the country-year



Expanded sample

**TABLE 2: Summary Model Performance Metrics, Using O'Brien (2002, 2010)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Model Name** | **Accuracy** | **Recall** | **Precision** |
| Baseline Data and Model Specification | .68 | .58 | .68 |
| Baseline Data with Lagged Nonviolent Protest Model | .68 | .67 | .71 |
| Expanded Data, Baseline Model | .63 | .57 | .67 |
| Expanded Data with Lagged Nonviolent Protest Model | .64 | .65 | .69 |
| No Lagged DVAR | .64 | .66 | .65 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |