Opening the Black Box on Intl Aid Data Section

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So this is the document for preparing and presenting results. Moving things over from various other files. The goal of this is to be a working document that can eventually become an appendix to the paper. We’ll pull our main models from here and keep the others as robustness checks.

Importing the libraries that we’ll need for all of the following projects.

Gonna break this into three big sections for now. (1) Analysis by Recipient (target?) country, (2) Analysis by donor-recipient dyad, and (3) Subnational analysis. If there are not some descriptive statistics in every section, there should be!

# Analysis by Recipient-Year Analysis by Dyad-Year Lagged VDEM

Oneway (individual) effect Within Model

Call: plm(formula = as.formula(paste(“polity2”, paste(c(ind.vars.total.controlled, “lag\_polity2”), collapse = “+”), sep = “~”)), data = working, index = c(“DyadName”), method = “random”)

Unbalanced Panel: n = 2011, T = 1-12, N = 13695

Residuals: Min. 1st Qu. Median 3rd Qu. Max. -10.2530674 -0.0642004 0.0006556 0.0675138 8.4789781

Coefficients: Estimate Std. Error t-value Pr(>|t|) log(gov\_d\_total + 1) 0.0047216 0.0389227 0.1213 0.9034506

log(gov\_r\_total + 1) 0.0119701 0.0428929 0.2791 0.7801957 log(ngo\_total + 1) 0.0857237 0.0398619 2.1505

0.0315349 log(igo\_total + 1) 0.1320959 0.0387585 3.4082 0.0006562 log(corp\_total + 1) -0.0075702 0.1004987

-0.0753 0.9399560 log(other\_total + gov\_o\_total + 1) 0.0019109 0.0310411 0.0616 0.9509150 log(gdp)

-0.0126765 0.0662982 -0.1912 0.8483693 urban -0.0094359 0.0101950 -0.9255 0.3547036 log(pop) 0.6347755

0.2610948 2.4312 0.0150636 lag\_polity2 0.6231509 0.0076560 81.3939 < 2.2e-16

log(gov\_d\_total + 1)

log(gov\_r\_total + 1) log(ngo\_total + 1) \*

log(igo\_total + 1) ***log(corp\_total + 1) log(other\_total + gov\_o\_total + 1) log(gdp)***

***urban log(pop)***

**lag\_polity2** \* — Signif. codes: 0 ‘***’ 0.001 ’****’ 0.01 ’*’ 0.05 ‘.’ 0.1 ‘’ 1

Total Sum of Squares: 28074 Residual Sum of Squares: 17623 R-Squared: 0.37226 Adj. R-Squared: 0.26364 F-statistic: 692.277 on 10 and 11674 DF, p-value: < 2.22e-16

% Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu

% Date and time: Tue, Sep 04, 2018 - 3:31:45 PM

Table 1: Main Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Electoral | Liberal | Participatory | PolityIV |
| Donor Gov | 0.022 | 0.024 | 0.016 | 0.028 |
|  | (0.018) | (0.015) | (0.011) | (0.047) |
| Target Gov | 0.018 | 0.030∗ | 0.011 | 0.103∗ |
|  | (0.020) | (0.017) | (0.012) | (0.053) |
| NGO | 0.058∗∗∗ (0.017) | 0.040∗∗∗ (0.015) | 0.051∗∗∗ (0.011) | 0.234∗∗∗ |
| IGO | 0.031∗ | 0.022 | 0.016 | 0.230∗∗∗ |
|  | (0.017) | (0.015) | (0.011) | (0.046) |
| Corporation | 0.058 | 0.069∗ | 0.047 | 0.247∗ |
|  | (0.048) | (0.041) | (0.030) | (0.127) |
| Other | 0.062∗∗∗ (0.014) | 0.049∗∗∗ (0.012) | 0.035∗∗∗ (0.008) | 0.114∗∗∗ |
| log(GDP) | 0.305∗∗∗ (0.027) | 0.167∗∗∗ (0.023) | 0.147∗∗∗ (0.017) | 0.288∗∗∗ |
| Urban | *−*0.035∗∗∗ | *−*0.030∗∗∗ | *−*0.027∗∗∗ | *−*0.014 |
| log(Population) | 0.216∗∗ (0.106) | 0.438∗∗∗ (0.092) | 0.333∗∗∗ (0.066) | 1.824∗∗∗ |
| Observations | 15,969 | 15,969 | 15,969 | 15,969 |

*Dependent variable:*

(0.046)

(0.036)

(0.072)

(0.004) (0.004) (0.003) (0.011)

(0.283)

R2 0.016 0.011 0.016 0.018

Adjusted R2 0.149 0.155 0.149 0.148

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F Statistic (df = 9; 13671) 25.077∗∗∗ 17.137∗∗∗ 25.249∗∗∗ 27.144∗∗∗

*Note:* ∗p*<*0.1; ∗∗p*<*0.05; ∗∗∗p*<*0.01

# Subnational Stuff