Opening the Black Box on Intl Aid Data Section

Jack Hasler

August 3, 2018

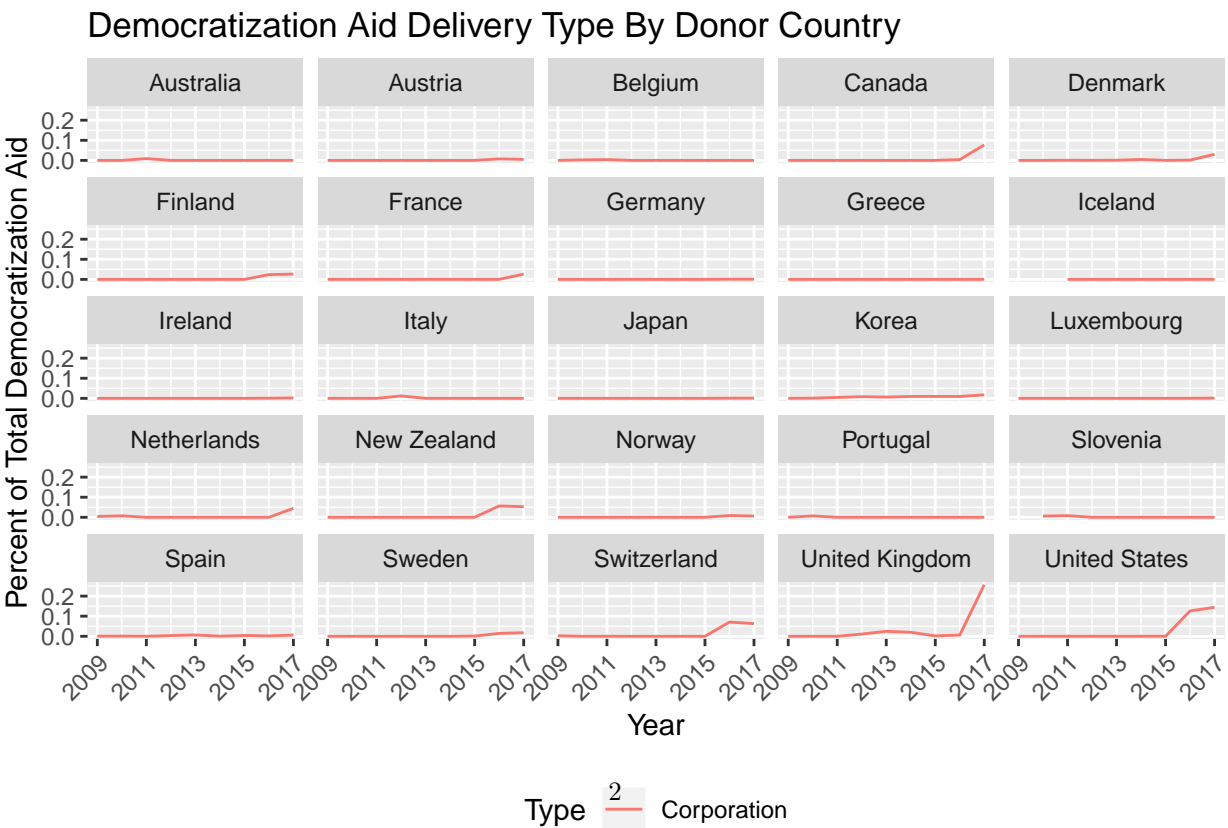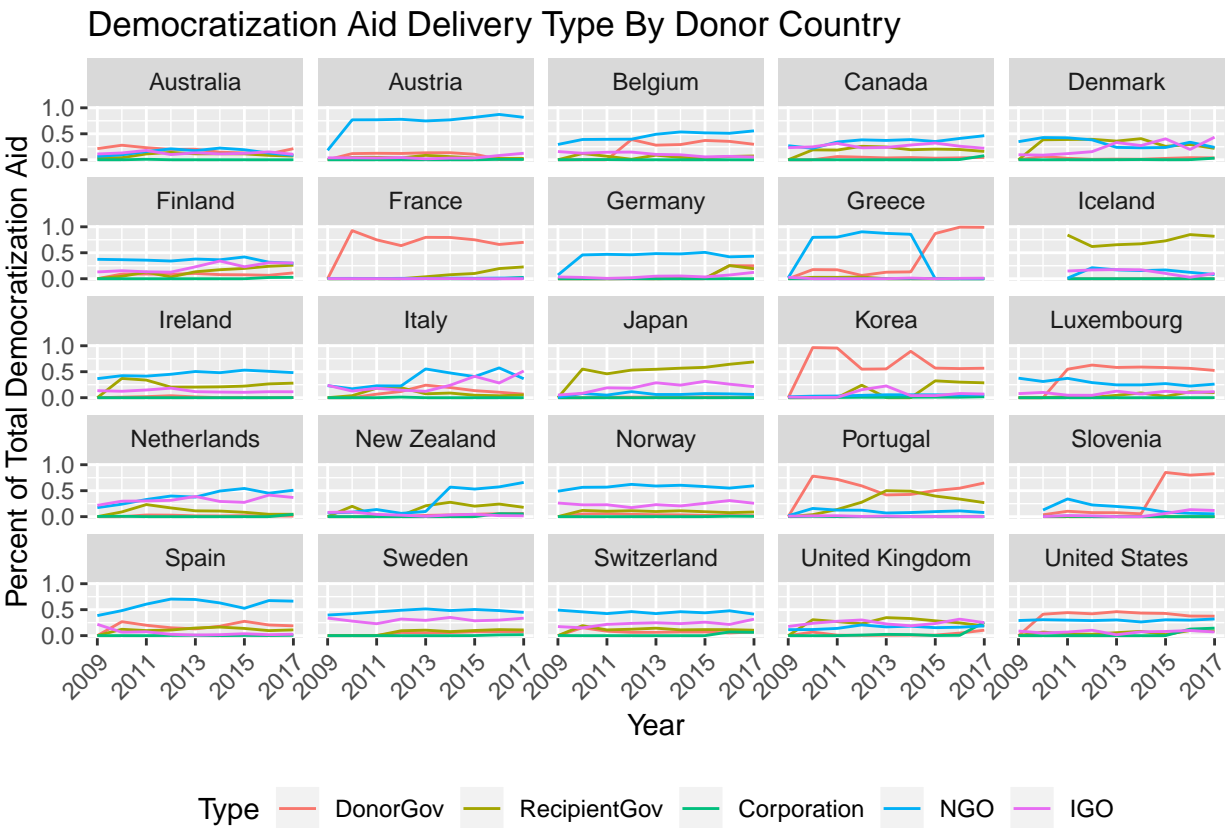THIS IS WHERE THE DATA COMES FROM: https://stats.oecd.org/DownloadFiles.aspx?DatasetCode= CRS1

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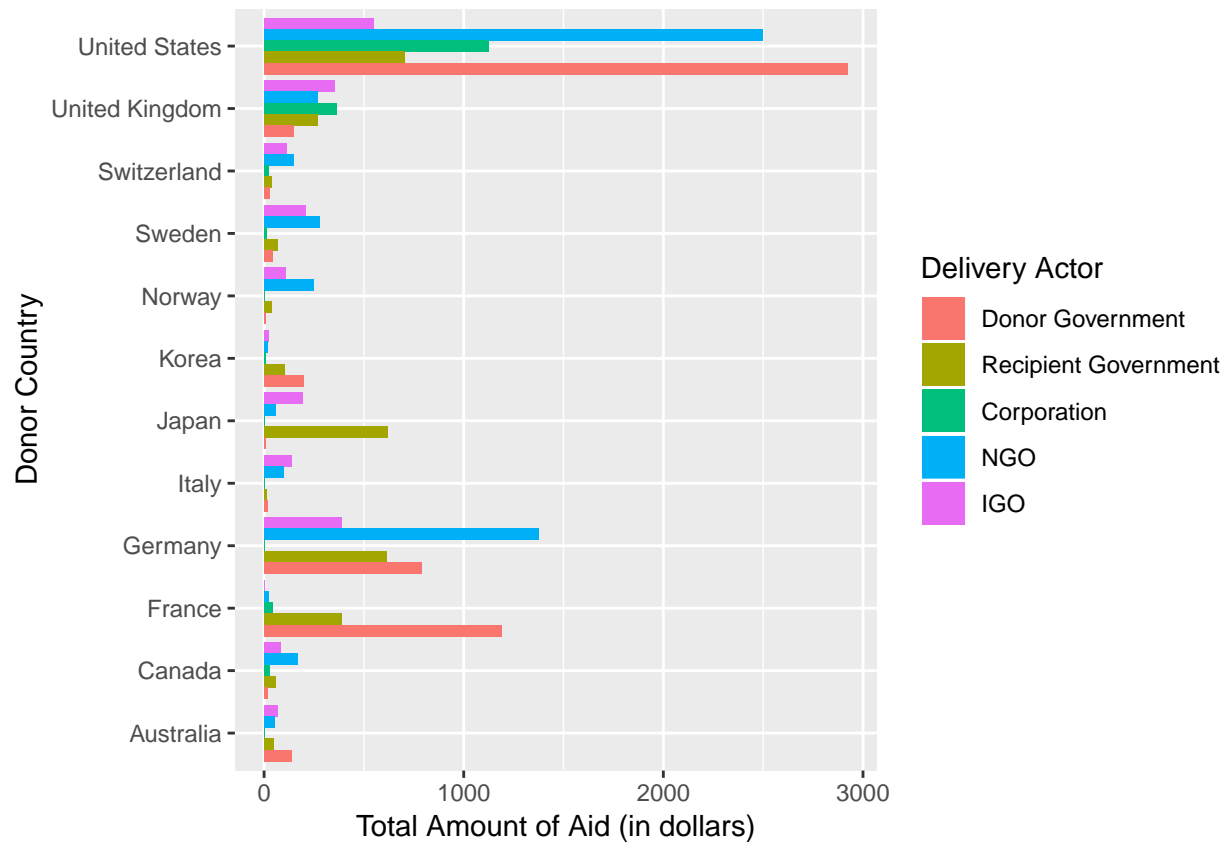
Importing the libraries that we'll need for all of the following projects.

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

Democratization Aid Delivery Type By Donor Country

Type — DonorGov — RecipientGov — Corporation — NGO — IGO

Democratization Aid Delivery Type By Donor Country

Type —2— Corporation

Lagged VDEM

Table 1: Main Results

	Electoral	Liberal	Participatory	PolityIV
	Dependent variable:			
Donor Gov	0.007	0.007	0.007*	0.008
	(0.005)	(0.004)	(0.004)	(0.005)
Target Gov	0.005	0.010*	0.006	0.015**
	(0.006)	(0.005)	(0.005)	(0.006)
NGO	0.028***	0.019***	0.030***	0.041***
	(0.006)	(0.005)	(0.005)	(0.006)
IGO	0.026***	0.020***	0.024***	0.015**
	(0.006)	(0.006)	(0.005)	(0.006)
Corporation	−0.021	−0.013	−0.019	−0.005
	(0.015)	(0.013)	(0.012)	(0.015)
Other	0.014***	0.012***	0.010**	0.006
	(0.005)	(0.004)	(0.004)	(0.005)
log(GDP)	0.114***	0.064***	0.053***	0.051***
	(0.011)	(0.010)	(0.009)	(0.011)
Urban	−0.012***	−0.012***	−0.014***	−0.008***
	(0.002)	(0.002)	(0.002)	(0.002)
log(Population)	0.078*	0.210***	0.228***	0.429***
	(0.047)	(0.042)	(0.039)	(0.048)
Observations	21,935	21,935	21,935	21,935
R^2	0.012	0.008	0.011	0.017
Adjusted R^2	−0.138	−0.141	−0.138	−0.131
F Statistic (df = 9; 19058)	24.898***	17.867***	24.629***	36.698***

Note: *p<0.1; **p<0.05; ***p<0.01
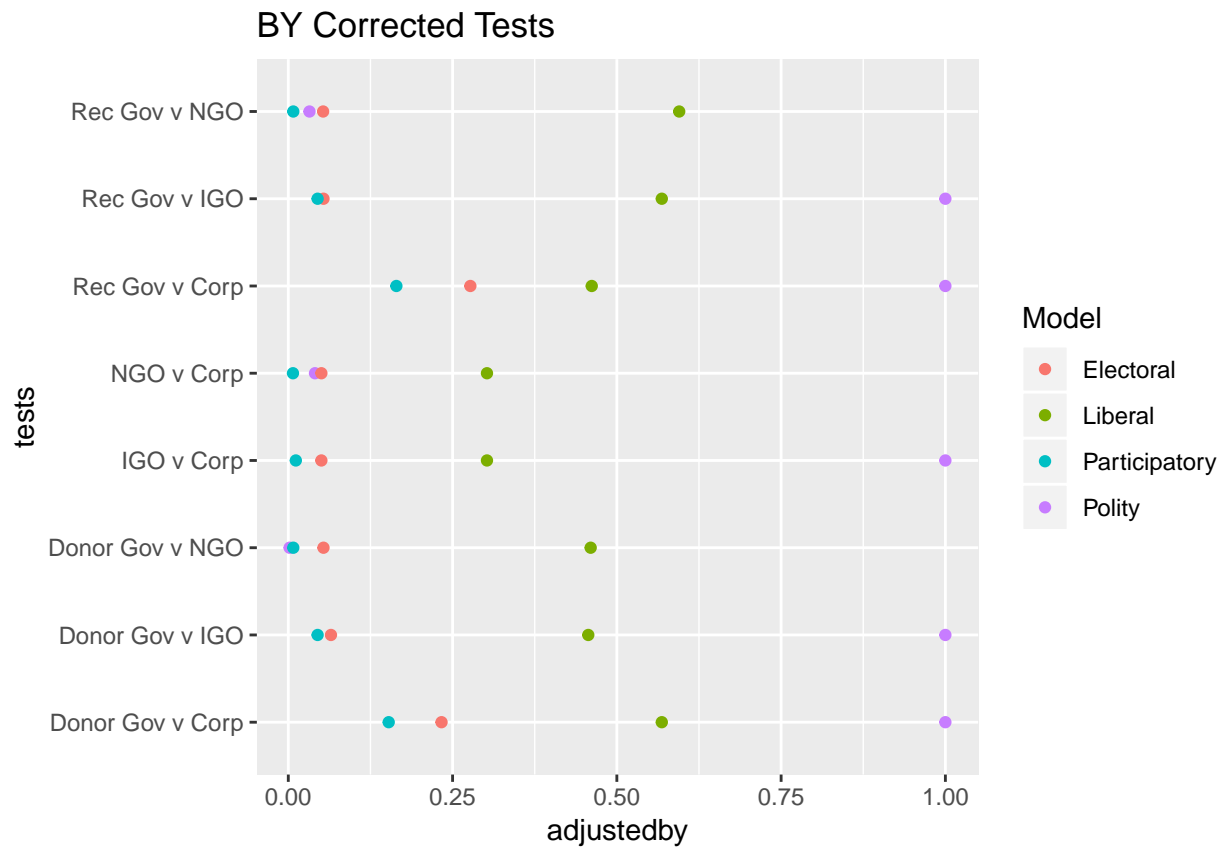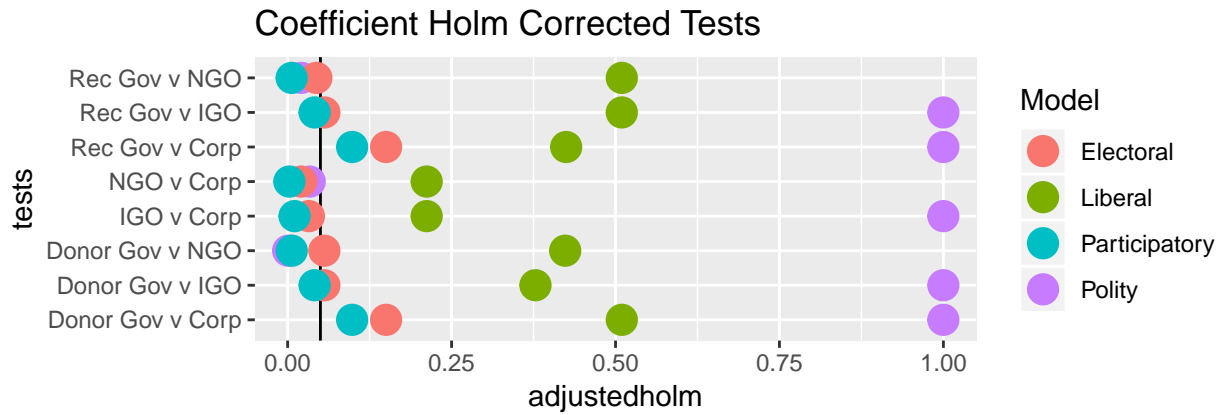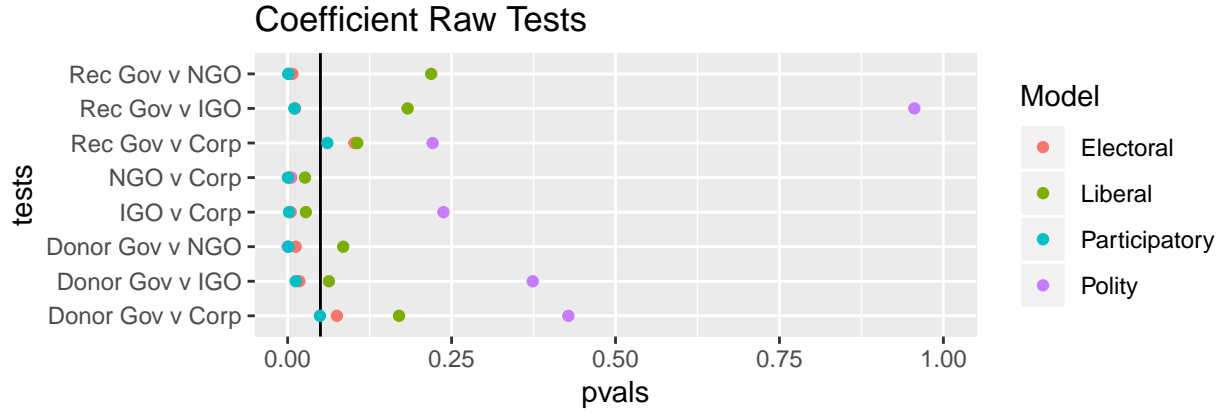
BY Corrected Tests

Coefficient Raw Tests

Coefficient Holm Corrected Tests

Table 2: Polity Model

	tests	chi2	pvals	adjustedholm	adjustedby
1	Rec Gov v NGO	8.829	0.003	0.021	0.032
2	Rec Gov v IGO	0.003	0.956	1	1
3	Rec Gov v Corp	1.497	0.221	1	1
4	Donor Gov v NGO	15.250	0.0001	0.001	0.002
5	Donor Gov v IGO	0.791	0.374	1	1
6	Donor Gov v Corp	0.628	0.428	1	1
7	NGO v Corp	7.673	0.006	0.034	0.041
8	IGO v Corp	1.395	0.238	1	1

Table 3: Polyarchy VDem Model

	tests	chi2	pvals	adjustedholm	adjustedby
1	Rec Gov v NGO	7.195	0.007	0.044	0.053
2	Rec Gov v IGO	6.433	0.011	0.056	0.054
3	Rec Gov v Corp	2.675	0.102	0.150	0.277
4	Donor Gov v NGO	6.266	0.012	0.056	0.054
5	Donor Gov v IGO	5.604	0.018	0.056	0.065
6	Donor Gov v Corp	3.168	0.075	0.150	0.233
7	NGO v Corp	9.084	0.003	0.021	0.050
8	IGO v Corp	8.019	0.005	0.032	0.050

Table 4: Liberal VDem Model

	tests	chi2	pvals	adjustedholm	adjustedby
1	Rec Gov v NGO	1.512	0.219	0.510	0.595
2	Rec Gov v IGO	1.773	0.183	0.510	0.568
3	Rec Gov v Corp	2.610	0.106	0.425	0.462
4	Donor Gov v NGO	2.973	0.085	0.423	0.460
5	Donor Gov v IGO	3.457	0.063	0.378	0.457
6	Donor Gov v Corp	1.884	0.170	0.510	0.568
7	NGO v Corp	4.923	0.027	0.212	0.302
8	IGO v Corp	4.840	0.028	0.212	0.302

Table 5: Participatory VDem Model

	tests	chi2	pvals	adjustedholm	adjustedby
1	Rec Gov v NGO	11.077	0.001	0.006	0.008
2	Rec Gov v IGO	6.586	0.010	0.041	0.045
3	Rec Gov v Corp	3.523	0.061	0.098	0.164
4	Donor Gov v NGO	10.745	0.001	0.006	0.008
5	Donor Gov v IGO	6.265	0.012	0.041	0.045
6	Donor Gov v Corp	3.869	0.049	0.098	0.153
7	NGO v Corp	12.906	0.0003	0.003	0.007
8	IGO v Corp	9.453	0.002	0.011	0.011

Main Results
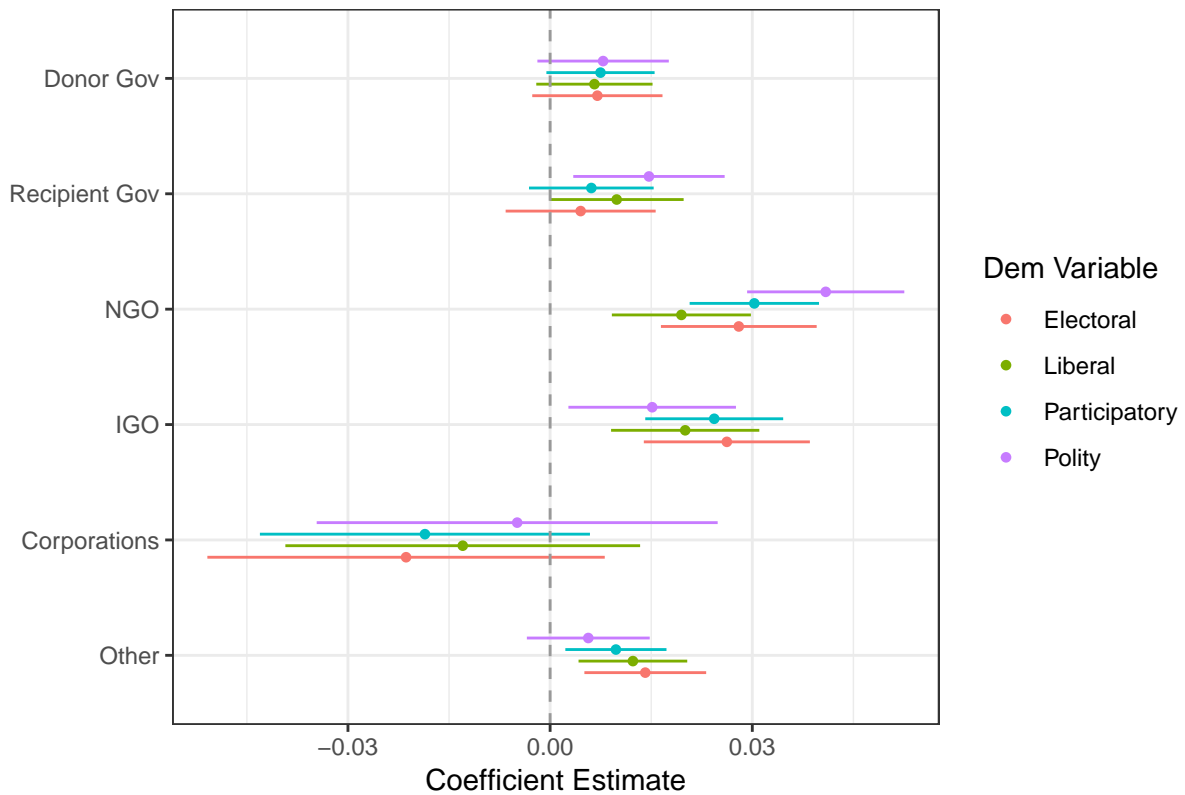
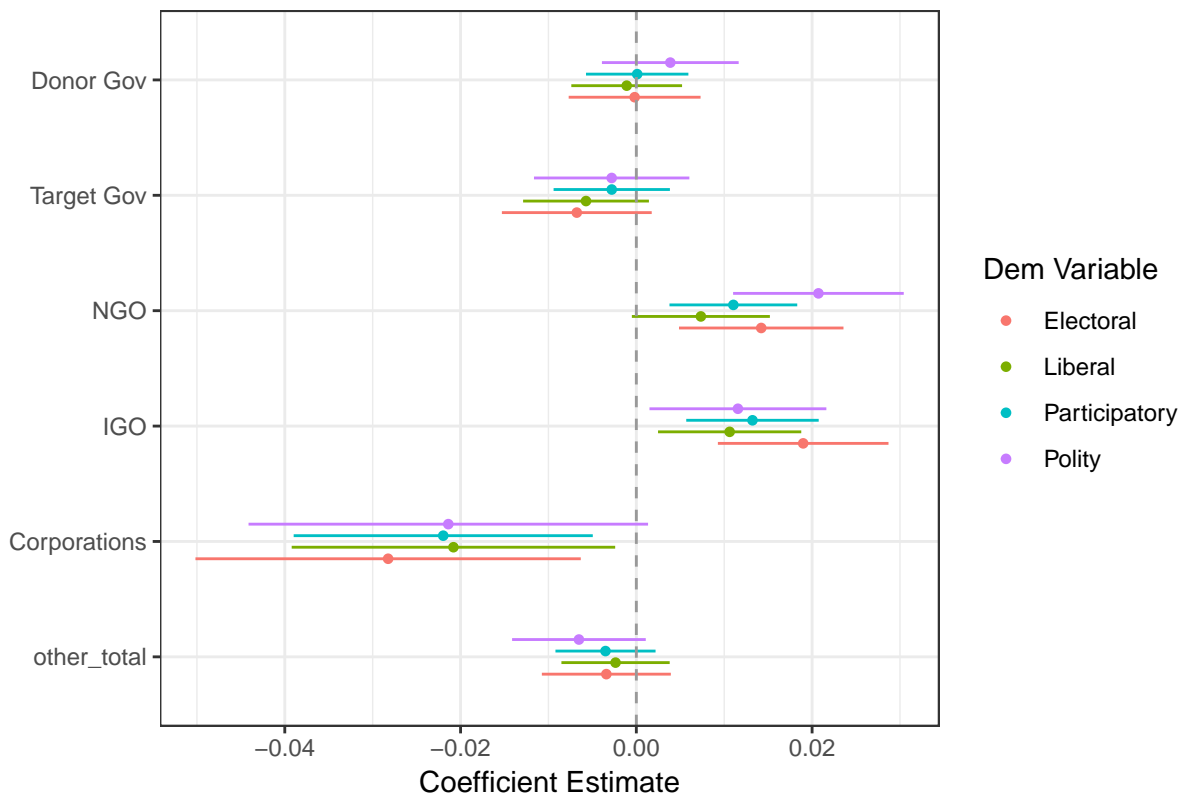|	x
	0.9589662
	0.9623704
	0.9407745
	0.9188254

```
##                      working.v2x_polyarchy working.v2x_libdem
## working.v2x_polyarchy            1.0000000          0.9623704
## working.v2x_libdem               0.9623704          1.0000000
## working.v2x_partipdem            0.9589662          0.9407745
## working.v2x_delibdem             0.9585980          0.9644551
## working.v2x_egaldem              0.9188254          0.9327207
## working.polity2                  0.8367155          0.7888787
##                      working.v2x_partipdem working.v2x_delibdem
## working.v2x_polyarchy            0.9589662          0.9585980
## working.v2x_libdem               0.9407745          0.9644551
## working.v2x_partipdem            1.0000000          0.9358328
## working.v2x_delibdem             0.9358328          1.0000000
## working.v2x_egaldem              0.8975487          0.9239640
## working.polity2                  0.8114821          0.7825142
##                      working.v2x_egaldem working.polity2
## working.v2x_polyarchy           0.9188254       0.8367155
## working.v2x_libdem              0.9327207       0.7888787
## working.v2x_partipdem           0.8975487       0.8114821
## working.v2x_delibdem            0.9239640       0.7825142
## working.v2x_egaldem             1.0000000       0.7044309
## working.polity2                 0.7044309       1.0000000
```
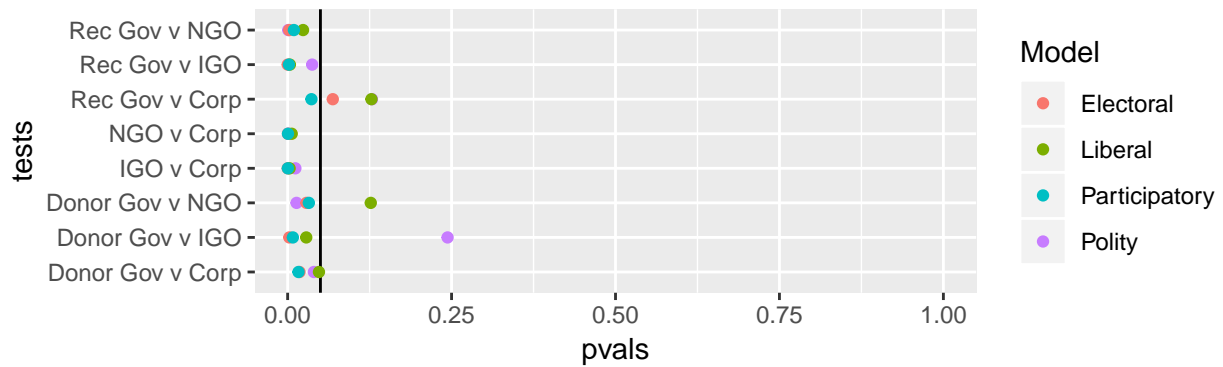
And here we're adding in the lagged polity and polyarchy models
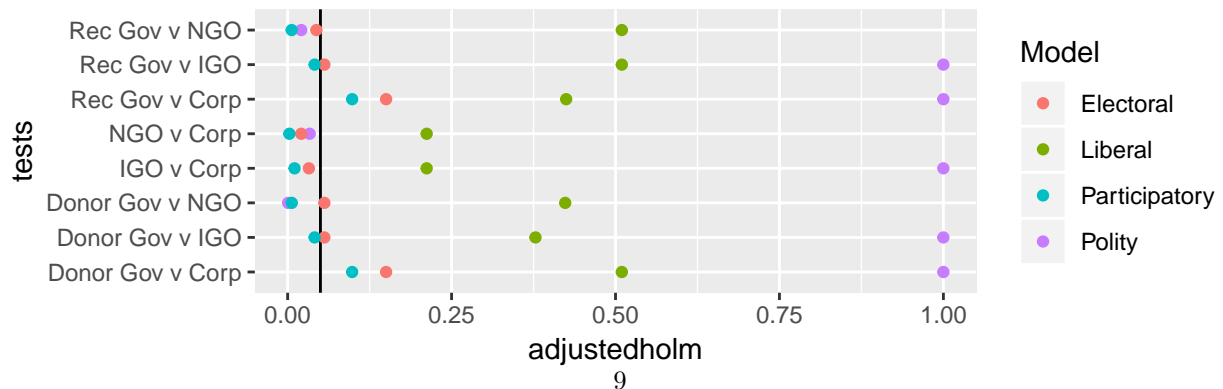
Table 6: Main Results with Lagged DV

	Dependent variable:			
	Polity	VDem Polyarchy	Polity Lag	VDem Polyarchy Lag
Donor Gov	0.008	0.007	0.004	-0.0002
	(0.005)	(0.005)	(0.004)	(0.004)
Target Gov	0.015^{**}	0.005	-0.003	-0.007
	(0.006)	(0.006)	(0.005)	(0.004)
NGO	0.041^{***}	0.028^{***}	0.021^{***}	0.014^{***}
	(0.006)	(0.006)	(0.005)	(0.005)
IGO	0.015^{**}	0.026^{***}	0.012^{**}	0.019^{***}
	(0.006)	(0.006)	(0.005)	(0.005)
Corporation	-0.005	-0.021	-0.021^{*}	-0.028^{**}
	(0.015)	(0.015)	(0.012)	(0.011)
Other	0.006	0.014^{***}	-0.007^{*}	-0.003
	(0.005)	(0.005)	(0.004)	(0.004)
log(GDP)	0.051^{***}	0.114^{***}	-0.020^{**}	0.045^{***}
	(0.011)	(0.011)	(0.010)	(0.009)
Urban	-0.008^{***}	-0.012^{***}	-0.009^{***}	-0.013^{***}
	(0.002)	(0.002)	(0.002)	(0.002)
log(Population)	0.429^{***}	0.078^{*}	0.227^{***}	0.114^{***}
	(0.048)	(0.047)	(0.042)	(0.040)
Polity Lag			0.120^{***}	
			(0.001)	
Polyarchy Lag				0.657^{***}
				(0.006)
Observations	21,935	21,935	19,067	19,067
R^2	0.017	0.012	0.421	0.450
Adjusted R^2	-0.131	-0.138	0.326	0.360

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

Subnational Stuff