

Haveric, Ronchi and Cabeza (2018) ‘Closer to the State, Closer to the Polls? The different impact of corruption on turnout among public employees and other citizens’

Online Supplementary Material

Appendix 1. Country sample sizes and descriptives for the main variables of interest

The proportion of turnout is split for population sub-groups: a. proportion over the total population; b. for public employees only; c. for the rest of the population

Country (N=44)	N	Share Public Employees	Turnout			Corruption
			a. Total	b. Public employees	c. Others	
Algeria	743	26.8%	25.2%	37.7%	20.6%	4.6
Azerbaijan	1002	46.6%	44.1%	57.2%	32.7%	3.6
Australia	925	33.1%	95.2%	96.7%	94.5%	3.6
Armenia	1052	52.3%	75.9%	84.2%	66.7%	4.4
Brazil	1010	17.6%	86.0%	93.8%	84.4%	4.6
Chile	634	12.6%	79.8%	92.5%	78.0%	4.3
Colombia	1431	13.6%	68.0%	75.8%	66.8%	4.4
Cyprus	886	14.9%	79.5%	85.6%	78.4%	4.2
Estonia	1321	40.0%	46.0%	54.4%	40.4%	3.7
Georgia	1106	40.6%	69.5%	78.8%	63.2%	3.1
Germany	1814	20.3%	74.6%	84.0%	72.3%	3.9
Ghana	1552	9.2%	68.5%	79.7%	67.4%	4.4
India	4047	13.4%	74.8%	61.9%	76.8%	4.2
Iraq	1016	22.2%	61.7%	70.4%	59.2%	4.1
Japan	1078	10.8%	60.4%	79.3%	58.1%	4.2
Kazakhstan	1500	35.6%	51.1%	56.2%	48.3%	3.9
Jordan	1182	19.4%	49.0%	53.7%	47.8%	3.7
South Korea	899	16.4%	57.8%	58.5%	57.7%	3.6
Kyrgyzstan	1343	39.2%	65.1%	68.6%	62.8%	4.6
Lebanon	878	11.6%	38.4%	47.1%	37.2%	4.6
Libya	1640	48.7%	47.3%	48.9%	45.7%	3.5
Malaysia	1299	13.5%	41.3%	38.9%	41.7%	3.8
Mexico	1831	13.1%	67.6%	77.5%	66.1%	4.7
Morocco	825	3.5%	16.7%	41.4%	15.8%	4.6
New Zealand	507	28.2%	85.8%	86.7%	85.4%	3.3
Nigeria	1759	10.3%	42.5%	51.4%	41.4%	4.7
Pakistan	1142	9.7%	37.7%	54.1%	35.9%	4.6
Peru	993	13.9%	90.9%	92.0%	90.8%	4.5
Philippines	1161	11.3%	80.5%	80.2%	80.6%	4.4
Romania	1229	33.4%	71.3%	80.5%	66.6%	4.5
Russia	1715	48.0%	46.3%	58.7%	34.9%	4.7

Rwanda	1527	14.6%	53.4%	56.5%	52.9%	2.0
Slovenia	913	41.7%	55.1%	59.1%	52.3%	4.2
South Africa	2692	10.5%	57.8%	61.3%	57.4%	4.4
Zimbabwe	1500	15.7%	37.8%	48.3%	35.8%	4.7
Spain	874	11.1%	62.9%	77.3%	61.1%	4.5
Thailand	480	26.7%	80.4%	86.7%	78.1%	4.1
Tunisia	992	16.9%	19.2%	24.4%	18.1%	4.4
Turkey	1469	11.6%	80.7%	84.2%	80.2%	4.0
Ukraine	1500	58.3%	62.6%	66.5%	57.2%	4.6
Egypt	1523	18.8%	39.8%	56.4%	35.9%	4.1
United States	2077	18.2%	64.2%	77.2%	61.4%	4.0
Uruguay	717	16.7%	93.3%	97.5%	92.5%	3.8
Yemen	592	19.3%	55.7%	42.1%	59.0%	3.1

Appendix 2. Robustness checks. Logistic multilevel models of individual-level voting propensity on individual- and country-level independent variables: odds ratios and standard errors (Model specifications 0-7b: see legend below)

Robustness checks - Models:

0=Alternative measure of corruption

1=Rwanda out

2=Recodification DV ('Always' and 'Usually'=1; 'Never'=0)

3=Education specified as relative to country mean

4=Random slope on 'Public Employee'

5=Random slope on 'Male'

6=Random slope on 'Party Member'

7a=Countries with below-median corruption score (Corruption<4.2)

7b=Countries with above-median corruption score (Corruption>=4.2)

	0	1	2	3	4	5	6	7a	7b
Public employee	0.797 (0.128)	0.454*** (0.105)	0.524* (0.145)	0.537*** (0.097)	0.454 (0.207)	0.557** (0.101)	0.527*** (0.096)	0.444** (0.121)	0.002*** (0.002)
Male	1.011 (0.021)	1.009 (0.021)	1.018 (0.027)	1.007 (0.020)	1.024 (0.021)	1.015 (0.040)	1.011 (0.020)	0.994 (0.032)	1.027 (0.027)
Age	1.030*** (0.001)	1.030*** (0.001)	1.039*** (0.001)	1.030*** (0.001)	1.030*** (0.001)	1.030*** (0.001)	1.030*** (0.001)	1.024*** (0.001)	1.033*** (0.001)
Age ²	0.999*** (0.000)	0.999*** (0.000)	0.999*** (0.000)	0.999*** (0.000)	0.999*** (0.000)	0.999*** (0.000)	0.999*** (0.000)	0.999 (0.000)	0.999*** (0.000)
Education (ref.: No education)				[Rel. education]					
Primary	1.061 (0.046)	1.041 (0.046)	1.110 (0.062)	1.062*** (0.008)	1.061 (0.045)	1.050 (0.045)	1.054 (0.045)	1.140 (0.078)	1.016 (0.056)
Secondary	1.054 (0.037)	1.023 (0.037)	1.088 (0.048)		1.057 (0.037)	1.048 (0.037)	1.051 (0.037)	1.280*** (0.072)	0.935 (0.042)
Tertiary	1.328*** (0.054)	1.275*** (0.053)	1.413*** (0.074)		1.320*** (0.053)	1.307*** (0.053)	1.307*** (0.053)	1.590*** (0.101)	1.139* (0.060)
Income (ref.: Low)									
Mid-low	0.982 (0.029)	0.985 (0.029)	1.123** (0.043)	0.969 (0.028)	0.976 (0.029)	0.981 (0.029)	0.972 (0.029)	0.980 (0.049)	0.990 (0.036)
Mid-high	1.035 (0.034)	1.026 (0.033)	1.158*** (0.048)	1.014 (0.032)	1.018 (0.033)	1.025 (0.033)	1.011 (0.032)	1.067 (0.057)	1.009 (0.041)
High	0.999 (0.059)	0.993 (0.059)	1.022 (0.083)	0.989 (0.058)	0.995 (0.059)	1.011 (0.060)	0.992 (0.058)	1.137 (0.117)	0.950 (0.068)
Left-Right positioning (ref.: Centre)									
Left	1.092** (0.033)	1.079* (0.033)	1.111** (0.045)	1.096** (0.033)	1.097** (0.033)	1.096** (0.033)	1.098** (0.033)	1.121* (0.054)	1.060 (0.041)
Right	1.169*** (0.030)	1.144*** (0.030)	1.183*** (0.040)	1.173*** (0.030)	1.172*** (0.030)	1.172*** (0.030)	1.173*** (0.030)	1.253*** (0.049)	1.121*** (0.037)
Party member	0.918** (0.027)	0.894*** (0.027)	1.007 (0.043)	0.914** (0.027)	0.914** (0.027)	0.914** (0.027)	0.994 (0.061)	1.033 (0.054)	0.883*** (0.031)
Town >500,000	0.738*** (0.026)	0.752*** (0.027)	0.719*** (0.034)	0.745*** (0.027)	0.748*** (0.027)	0.740*** (0.026)	0.738*** (0.026)	0.657*** (0.041)	0.790*** (0.035)

Interest in politics	1.384*** (0.015)	1.380*** (0.015)	1.453*** (0.021)	1.374*** (0.015)	1.377*** (0.015)	1.379*** (0.015)	1.382*** (0.015)	1.488*** (0.027)	1.317*** (0.018)
Mobilization	1.116*** (0.015)	1.120*** (0.015)	1.171*** (0.023)	1.116*** (0.015)	1.118*** (0.015)	1.113*** (0.015)	1.117*** (0.015)	1.260*** (0.030)	1.065*** (0.017)
Married	1.288*** (0.029)	1.271*** (0.029)	1.379*** (0.040)	1.283*** (0.029)	1.286*** (0.029)	1.293*** (0.029)	1.285*** (0.029)	1.320*** (0.047)	1.249*** (0.036)
Employed	1.101*** (0.025)	1.095*** (0.025)	1.270*** (0.038)	1.084*** (0.024)	1.111*** (0.025)	1.078*** (0.024)	1.088*** (0.024)	1.086* (0.040)	1.076* (0.031)
Corruption	0.863 (0.183)	0.698 (0.184)	0.782 (0.178)	0.720 (0.145)	0.724 (0.145)	0.758 (0.144)	0.722 (0.141)	0.696 (0.250)	1.100 (1.411)
GDP	1.000 (0.000)	1.000 (0.000)	1.000 (0.000)	1.000 (0.000)	1.000 (0.000)	1.000 (0.000)	1.000 (0.000)		
Compulsory vote	2.464*** (0.617)	2.462*** (0.608)	2.194** (0.612)	2.460*** (0.603)	2.500*** (0.604)	2.534*** (0.589)	2.327*** (0.569)	2.693** (0.999)	2.220* (0.846)
Proportional	1.144 (0.253)	1.176 (0.267)	1.251 (0.304)	1.158 (0.249)	1.182 (0.253)	1.082 (0.222)	1.159 (0.243)		
Freedom	0.743*** (0.057)	0.736*** (0.056)	0.805* (0.068)	0.738*** (0.055)	0.735*** (0.055)	0.759*** (0.055)	0.736*** (0.054)	0.806** (0.065)	0.722* (0.092)
Public X Corrupt.	1.104* (0.048)	1.252*** (0.070)	1.204** (0.082)	1.203*** (0.053)	1.264* (0.139)	1.188*** (0.052)	1.208*** (0.053)	1.284*** (0.095)	4.035*** (0.752)
<i>Variance components</i>									
Var(country)	0.707** (0.078)	0.697** (0.077)	0.781* (0.086)	0.693*** (0.075)	0.690*** (0.076)	0.746** (0.083)	0.697** (0.077)	0.706* (0.117)	0.709* (0.103)
Var(x)					0.352*** (0.048)	0.210*** (0.032)	0.311*** (0.052)		
Var(x, country)					0.851 (0.162)	0.552** (0.115)	0.731 (0.170)		
N	55,194	54,849	56,376	56,376	56,376	56,376	56,376	22,596	33,780
N countries	43	43	44	44	44	44	44	19	25
aic	62711.8	62267	40593.7	64353.1	64181.6	64281.5	64252.6	25890.7	38209.4
bic	62961.5	62516.5	40844	64585.5	64449.8	64549.7	64520.8	26099.4	38428.6
Log-likelihood	-31327.9	-31105.5	-20268.9	-32150.5	-32060.8	-32110.7	-32096.3	-12919.3	-19078.7

* p<0.05, ** p<0.01, *** p<0.001. Standard errors in parentheses.