

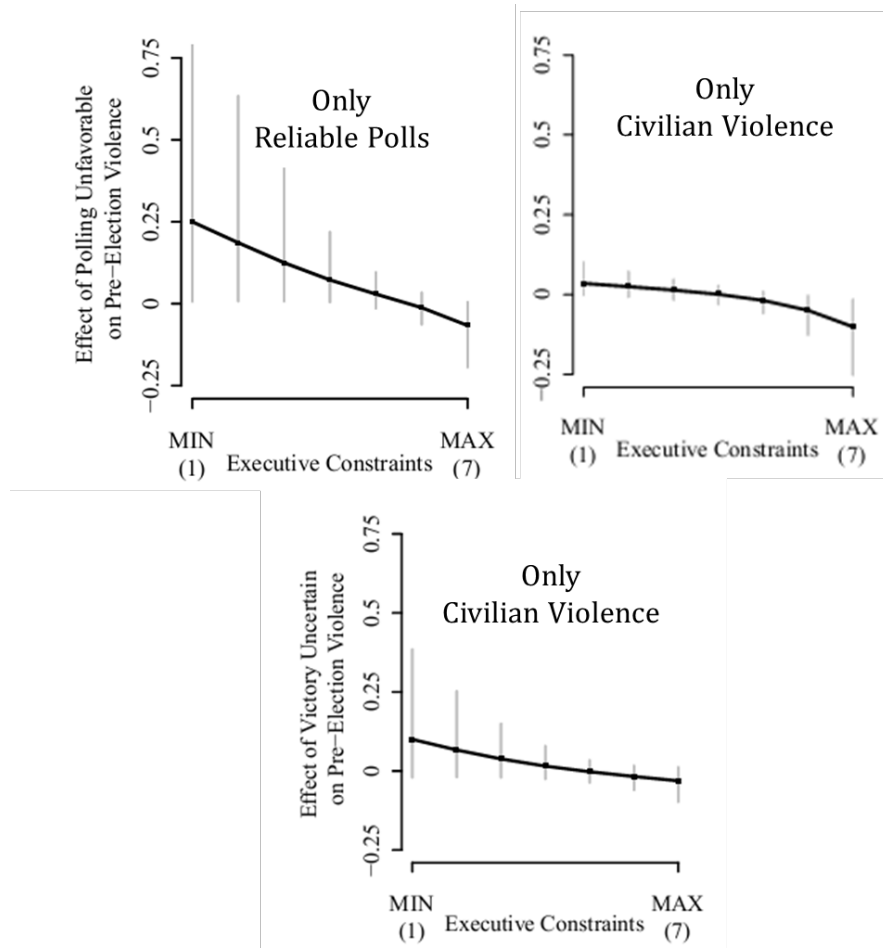
Supplementary Appendix for

“When Do Governments Resort to Election Violence?”

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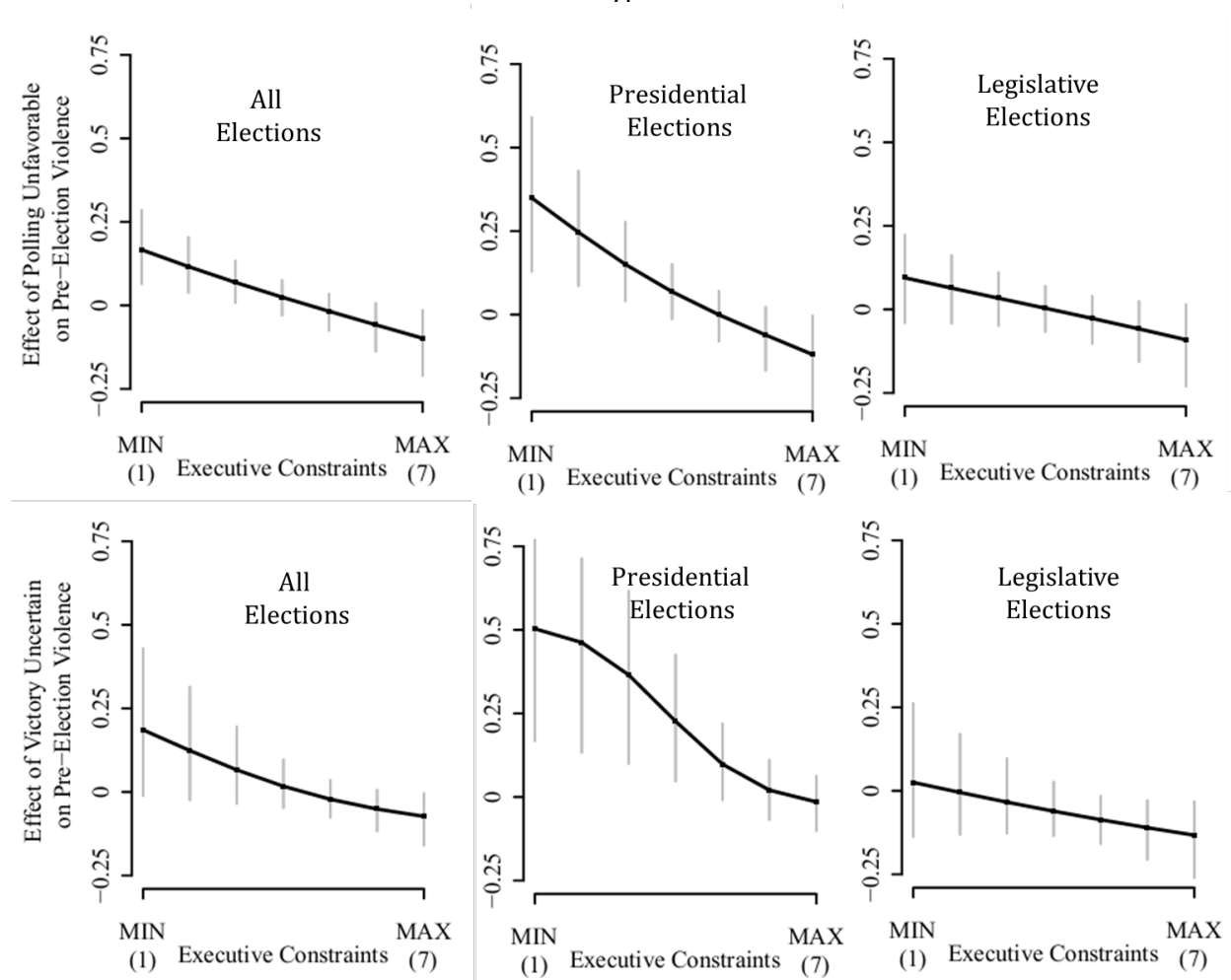
This appendix provides supplementary information not included in the published draft. Supplementary Figure 1 shows the simulated predictions from the robustness checks included in Tables 2 and 3 of the published draft. Supplementary Figure 2 show estimates of the effect of *Victory Uncertain* and *Polling Unfavorable* on Pre-Election violence for each type of election. These estimates are different from those shown in the published draft, which are instead limited to elections in which the office of the incumbent is contested, regardless of whether an election is Parliamentary or Presidential. Supplementary Tables 2 and 3 show the estimates used to make Supplementary Figure 2. The final table is a list of countries included in the sample, along with summary information on the number of violent elections.

Supplementary Figure 1: Effect of Electoral Uncertainty on Pre-Election Violence Robustness Checks



Shows the simulated effect of electoral uncertainty (a change from 0 to 1) on the probability of *Pre-Election Violence* for each value of *Executive Constraints*. Vertical lines indicate the 95% confidence interval.

Supplementary Figure 2: The Effect of Electoral Uncertainty on Pre-Election Violence by Election Type



Shows the simulated effect of electoral uncertainty (a change from 0 to 1) on the probability of *Pre-Election Violence* for each value of *Executive Constraints* by type of election. Vertical lines indicate the 95% confidence interval. Estimated using a logit model with country random effects and controls for Physical Integrity (avg), Political Competitiveness (avg), Executive Recruitment (avg), Population (log), GDP (log), Leader Tenure, Leader Age, Civil War, Electoral Fraud and Demonstrations. The coefficient estimates for these figures are shown in Supplementary Tables 1 and 2.

Supplementary Table 1: Logit Estimates of the Effect of Unfavorable Polls on Pre-Election Violence by Election Type

	(1) All Elections	(2) Presidential Elections	(3) Legislative Elections
Unfavorable Polls	1.70**	3.27*	1.04
	0.65	1.27	0.82
Polling * Exec. Const.	-0.37**	-0.66*	-0.25
	0.13	0.26	0.16
Executive Constraints	0.15	0.21	0.11
	0.15	0.26	0.18
Physical Integrity (avg)	-0.42**	-0.52**	-0.36**
	0.08	0.14	0.09
Political Competitiveness (avg)	-0.02	0.01	0.00
	0.07	0.13	0.08
Executive Recruitment (avg)	0.15	0.08	0.12
	0.11	0.20	0.12
Population (log)	0.63**	0.21	0.83**
	0.22	0.35	0.24
GDP (log)	-0.47**	-0.23	-0.62**
	0.16	0.25	0.17
Leader Tenure	0.00	-0.00	0.01
	0.01	0.01	0.01
Leader Age	0.06	0.17	0.02
	0.12	0.21	0.13
Civil War	0.42**	0.54+	0.31+
	0.14	0.28	0.16
Electoral Fraud	1.53**	1.52**	1.38**
	0.27	0.54	0.32
Demonstrations	0.09*	0.10	0.07*
	0.03	0.09	0.04
Observations	1,168	379	778
Log Likelihood	-458.3	-158.6	-315.4

+significant at 10%; *significant at 5%; **significant at 1%. Standard errors are in parentheses. Model 1 includes all elections, regardless of type. Model 2 contains only presidential elections. Model 3 contains only legislative elections (including Parliamentary elections).

Supplementary Table 2: Logit Estimates of the Effect of Victory Uncertain on Pre-Election Violence by Election Type

	(1) All Elections	(2) Presidential Elections	(3) Legislative Elections
Victory Uncertain	1.28	3.35*	0.27
	0.82	1.54	1.03
Uncertain * Exec. Const.	-0.29+	-0.53+	-0.19
	0.15	0.29	0.19
Executive Constraints	-0.04	-0.31	0.08
	0.12	0.19	0.14
Physical Integrity (avg)	-0.41**	-0.43**	-0.38**
	0.08	0.14	0.09
Political Competitiveness (avg)	-0.03	0.03	-0.03
	0.08	0.13	0.09
Executive Recruitment (avg)	0.11	0.04	0.09
	0.12	0.19	0.13
Population (log)	0.54*	0.05	0.72**
	0.22	0.34	0.23
GDP (log)	-0.34*	-0.12	-0.48**
	0.15	0.24	0.16
Leader Tenure	0.01	-0.00	0.01+
	0.01	0.01	0.01
Leader Age	-0.03	0.04	-0.05
	0.12	0.23	0.14
Civil War	0.36*	0.39	0.27+
	0.14	0.28	0.16
Electoral Fraud	1.50**	1.42**	1.28**
	0.29	0.54	0.34
Demonstrations	0.07*	0.07	0.06
	0.03	0.10	0.04
Observations	1,029	340	682
Log Likelihood	-404.3	-141.6	-272.6

+significant at 10%; *significant at 5%; **significant at 1%. Standard errors are in parentheses. Model 1 includes all elections, regardless of type. Model 2 contains all presidential elections. Model 3 contains legislative elections.

List of Countries in the Sample

Country	Number of Elections	Cases of Pre-Election Violence	Cases of Protest	Cases of Post-Election Violence
AFGHANISTAN	3	2	0	0
ALBANIA	19	13	6	4
ALGERIA	11	9	6	5
ANGOLA	3	3	2	2
ARGENTINA	22	3	2	2
ARMENIA	12	2	5	2
AUSTRALIA	10	0	0	0
AUSTRIA	15	0	1	0
AZERBAIJAN	13	6	5	2
BAHRAIN	3	0	0	0
BANGLADESH	10	9	6	1
BELARUS	13	6	2	2
BELGIUM	8	0	0	0
BENIN	16	2	3	0
BHUTAN	2	0	0	0
BOLIVIA	14	2	0	0
BOSNIA-HERZEGOVINA	9	2	0	0
BOTSWANA	5	0	0	0
BRAZIL	15	0	0	0
BULGARIA	17	0	2	0
BURKINA FASO	8	1	0	0
BURUNDI	6	0	1	0
CAMBODIA	6	3	1	0
CAMEROON	11	4	4	2
CANADA	8	0	0	0
CENTRAL AFRICAN REPUBLIC	16	5	2	1
CHAD	8	0	0	0
CHILE	12	1	0	0
COLOMBIA	19	14	0	0
COMORO ISLAND	20	9	5	0
COSTA RICA	15	0	0	0
CROATIA	17	7	0	0
CUBA	8	3	0	0
CYPRUS	17	1	1	0
CZECH REPUBLIC	20	0	1	1
DEMOCRATIC REPUBLIC OF THE CONGO	6	5	2	2
DENMARK	10	0	0	0

DJIBOUTI	13	3	1	1
DOMINICAN REPUBLIC	16	10	6	2
EAST GERMANY	3	0	0	0
EAST TIMOR	5	0	2	0
ECUADOR	26	0	0	0
EGYPT	19	14	9	5
EL SALVADOR	16	7	0	0
EQUATORIAL GUINEA	9	9	3	0
ESTONIA	8	0	0	0
ETHIOPIA	7	5	1	1
FIJI	7	1	0	0
FINLAND	15	0	0	0
FRANCE	23	0	1	1
GABON	17	4	4	1
GAMBIA	12	4	0	0
GEORGIA	13	4	1	0
GERMANY	7	0	0	0
GHANA	12	7	3	0
GREECE	10	0	0	0
GUATEMALA	22	19	2	2
GUINEA	6	5	1	1
GUINEA BISSAU	10	3	1	1
GUYANA	5	4	3	1
HAITI	21	16	12	8
HONDURAS	14	2	1	0
HUNGARY	11	3	0	0
INDIA	23	7	5	2
INDONESIA	8	3	1	1
IRAN	24	8	3	1
IRAQ	8	5	2	2
IRELAND	11	1	0	0
ISRAEL	10	1	0	0
ITALY	8	0	0	0
IVORY COAST	10	7	1	1
JAMAICA	6	2	2	1
JAPAN	15	0	0	0
JORDAN	5	1	0	0
KAZAKHSTAN	13	7	0	0
KENYA	13	10	6	4
KUWAIT	9	1	1	0
KYRGYZSTAN	11	8	5	2
LAOS	5	0	0	0
LATVIA	5	1	0	0

LEBANON	14	2	0	0
LESOTHO	4	1	2	2
LIBERIA	7	2	2	0
LITHUANIA	16	0	0	0
MACEDONIA	19	1	8	0
MADAGASCAR	14	5	4	3
MALAWI	9	6	5	1
MALAYSIA	7	2	1	1
MALI	19	3	5	4
MAURITANIA	13	8	1	1
MAURITIUS	7	0	0	0
MEXICO	14	2	7	1
MOLDOVA	8	2	1	0
MONGOLIA	12	1	2	1
MONTENEGRO	1	0	1	0
MOROCCO	5	1	0	0
MOZAMBIQUE	7	1	0	0
MYANMAR	4	1	1	1
NAMIBIA	6	0	0	0
NEPAL	7	4	0	0
NETHERLANDS	9	0	0	0
NEW ZEALAND	10	0	0	0
NICARAGUA	10	2	0	0
NIGER	15	3	1	1
NIGERIA	13	9	7	5
NORTH KOREA	5	0	0	0
NORWAY	7	0	0	0
OMAN	2	0	0	0
PAKISTAN	7	5	2	2
PANAMA	11	2	4	2
PAPUA NEW GUINEA	6	4	1	0
PARAGUAY	16	6	0	0
PERU	17	6	3	0
PHILIPPINES	14	13	11	4
POLAND	16	2	0	0
PORTUGAL	13	0	0	0
REPUBLIC OF THE CONGO	14	6	6	6
ROMANIA	17	3	0	0
RUSSIA	14	5	0	0
RWANDA	8	2	0	0
SENEGAL	12	4	2	2
SIERRA LEONE	11	5	0	0
SINGAPORE	8	2	0	0

SLOVAKIA	8	0	0	0
SLOVENIA	11	0	0	0
SOMALIA	2	0	0	0
SOUTH AFRICA	7	4	3	3
SOUTH KOREA	14	2	2	2
SOUTH YEMEN	1	0	0	0
SPAIN	8	3	0	0
SRI LANKA	11	8	1	0
SUDAN	8	3	0	0
SWAZILAND	5	0	1	0
SWEDEN	8	0	0	0
SWITZERLAND	7	0	0	0
SYRIA	12	1	1	1
TAIWAN	16	1	1	0
TAJIKISTAN	10	7	0	0
TANZANIA	10	0	3	0
THAILAND	15	5	4	1
TOGO	13	5	4	1
TRINIDAD AND TOBAGO	9	0	0	0
TUNISIA	10	8	0	0
TURKEY	8	4	0	0
TURKMENISTAN	8	2	0	0
UGANDA	7	6	0	0
UKRAINE	18	6	3	0
UNITED KINGDOM	6	0	0	0
UNITED STATES	20	0	0	0
URUGUAY	11	0	0	0
UZBEKISTAN	10	6	1	1
VENEZUELA	14	1	2	2
VIETNAM	7	0	0	0
YEMEN	11	2	0	0
YUGOSLAVIA	17	3	4	1
ZAMBIA	15	2	3	0
ZIMBABWE	12	11	2	2