

Online Appendix for “Pulling the Strings? The Strategic Use of Pro-Government Mobilization in Authoritarian Regimes”

Sebastian Hellmeier Nils B. Weidmann

Department of Politics and Public Administration
University of Konstanz
78457 Konstanz, Germany

sebastian.hellmeier@uni-konstanz.de
nils.weidmann@uni-konstanz.de

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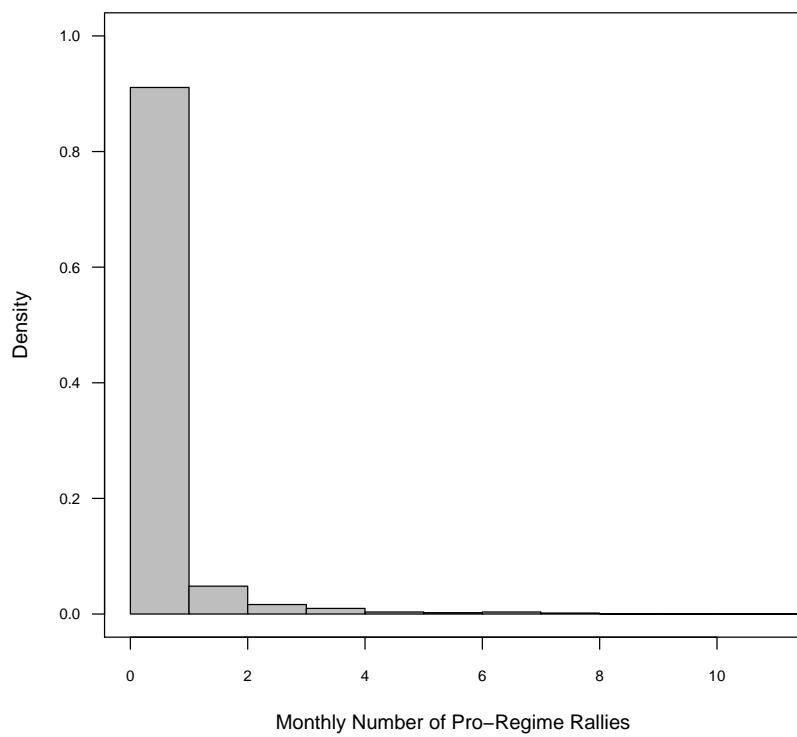


Figure A1: Distribution of the monthly number of pro-regime rallies ($N = 8,454$). X-axis truncated at 10 for purposes of readability.

	N	Mean	St. Dev.	Min	Max
Pro-government rallies	8,886	0.23	1.49	0	51
GDP per capita (log, lag)	8,886	8.19	1.18	5.49	11.05
GDP growth (log, lag)	8,886	0.04	0.07	-0.66	0.62
Population size (log, lag)	8,886	16.37	1.37	13.37	21.03
State violence (lag)	8,886	3.11	0.91	1	5
Leader age	8,886	61.66	11.36	29	91
Leader tenure (log)	8,886	4.60	1.12	0.69	6.38
Pro-government rallies (binary)	8,886	0.09	0.28	0	1
Anti-regime protest events (lag)	8,886	1.62	5.47	0	161
Terrorist event (lag)	8,886	0.18	0.38	0	1
Violent conflict event (lag)	8,886	0.17	0.38	0	1
Pre-election period	8,886	0.07	0.25	0	1
Post-election period	8,886	0.09	0.28	0	1
Pre-coup period	8,886	0.01	0.07	0	1
Post-coup period	8,886	0.01	0.09	0	1
Anti-regime protest participants (log, lag)	8,886	2.09	3.34	0	15.11
Regional anti-regime protest (lag)	8,886	0.62	1.45	0	26.40
Coup risk (lag)	8,886	0.17	0.26	0.01	3.89
Media attention (lag)	8,886	0.50	0.92	0	17
Polity2	8,830	-2.78	4.71	-10	8
Coercive capacity (centered, lag)	7,055	0.004	0.53	-2.75	2.54

Table A1: Summary statistics for relevant variables.

	Model A1	Model A2	Model A3	Model A4	Model A5	Model A6
Anti-regime protest events (lag)	0.02*** (0.00)	0.02*** (0.00)	0.01*** (0.00)	0.01*** (0.00)	0.01*** (0.00)	0.01*** (0.00)
Anti-regime protest participants (log, lag)	0.00 [†] (0.00)	0.00 [†] (0.00)	0.00 (0.00)	0.01 (0.00)	0.00 (0.00)	0.00 (0.00)
Regional anti-regime protest (lag)	0.01* (0.01)	0.01* (0.01)	0.01* (0.01)	0.01* (0.01)	0.01 [†] (0.01)	0.01 (0.01)
Pre-election period	0.12*** (0.03)	0.11*** (0.03)	0.11*** (0.03)	0.12*** (0.03)	0.13*** (0.03)	0.13*** (0.03)
Post-election period	-0.01 (0.01)	-0.01 (0.01)	-0.01 (0.01)	-0.02 (0.01)	0.01 (0.02)	-0.02 (0.01)
Pre-coup period	0.17* (0.08)					
Post-coup period	0.04 (0.05)					
Coup risk (lag)		0.10*** (0.03)	0.10*** (0.03)	0.09** (0.03)	0.05 [†] (0.03)	0.09** (0.03)
Violent conflict event (lag)			-0.00 (0.02)	0.01 (0.02)	-0.01 (0.02)	0.01 (0.02)
Terrorist event (lag)			0.04* (0.02)	0.03 (0.02)	0.01 (0.01)	0.04* (0.02)
State violence (lag)			0.01 (0.01)	0.01 (0.01)		0.01 (0.01)
Leader tenure (log)			0.01 (0.01)	-0.02 (0.02)	0.00 (0.02)	-0.00 (0.01)
Leader age			-0.00 (0.00)	0.01* (0.00)		0.00 (0.00)
GDP per capita (log, lag)			-0.04 (0.04)	-0.04 (0.03)		-0.05 (0.04)
GDP growth (lag)			-0.09 (0.06)	-0.12 [†] (0.06)		-0.13 (0.08)
Population size (log, lag)			-0.04 (0.04)	-0.03 (0.05)		-0.05 (0.05)
Media attention (lag)			0.01 (0.01)	0.00 (0.01)	0.01 (0.01)	0.00 (0.01)
Coercive capacity (centered)						-0.00 (0.01)
Anti-regime (domestic) X						0.00
Coercive capacity						(0.00)
Anti-regime (regional) X						0.03
Coercive capacity						(0.02)
R ²	0.30	0.30	0.30	0.37	0.43	0.33
Adj. R ²	0.29	0.29	0.30	0.36	0.38	0.32
Num. obs.	8,999	8,999	8,886	8,886	8,999	7,055
RMSE	0.29	0.29	0.29	0.28	0.27	0.28

Table A2: Robustness checks. Logged count OLS. Standard errors clustered at the country level. Dependent variable: Logged number of pro-government rallies (constant (one) added). Time lags depend on measurement interval. Time polynomials omitted from table. Significance levels: ***p<0.001; **p<0.01; *p<0.05; [†]p < 0.1.

	Model A7	Model A8	Model A9	Model A10	Model A11	Model A12
Anti-regime protest events (lag)	0.01*	0.01*	0.01*	0.01*	0.01***	0.01**
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Anti-regime protest participants (log, lag)	0.10***	0.09***	0.08***	0.09***	0.05**	0.09***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Regional anti-regime protest (lag)	0.08***	0.08***	0.07***	0.07***	0.04†	0.05*
	(0.01)	(0.01)	(0.02)	(0.02)	(0.02)	(0.02)
Pre-election period	0.85***	0.80***	0.79***	0.80***	0.84***	0.88***
	(0.17)	(0.17)	(0.17)	(0.17)	(0.16)	(0.17)
Post-election period	0.01	-0.03	-0.06	-0.06	0.05	-0.07
	(0.11)	(0.11)	(0.11)	(0.12)	(0.13)	(0.13)
Pre-coup period	1.19**					
	(0.42)					
Post-coup period	0.52†					
	(0.27)					
Coup risk (lag)		0.73***	0.77***	0.73**	0.44*	0.80***
		(0.12)	(0.15)	(0.23)	(0.19)	(0.19)
Violent conflict event (lag)		0.07	0.19	0.06	0.27	
		(0.17)	(0.19)	(0.18)	(0.17)	
Terrorist event (lag)		0.17	0.09	0.05	0.17	
		(0.12)	(0.11)	(0.11)	(0.10)	
State violence (lag)		0.09	0.01		0.07	
		(0.09)	(0.10)		(0.11)	
Leader tenure (log)		0.09	-0.19	-0.09	-0.09	-0.00
		(0.07)	(0.13)	(0.10)	(0.10)	(0.07)
Leader age		-0.01	0.08†		0.01	
		(0.01)	(0.04)		(0.01)	
GDP per capita (log, lag)		-0.65**	-0.50*		-0.71**	
		(0.23)	(0.21)		(0.27)	
GDP growth (lag)		-0.68	-1.22		-1.23	
		(0.90)	(0.90)		(1.03)	
Population size (log, lag)		0.11	0.40		0.33	
		(0.75)	(0.77)		(0.73)	
Media attention (lag)		0.06	0.05	0.03	0.04	
		(0.06)	(0.05)	(0.06)	(0.06)	
Coercive capacity (centered)					0.09	
					(0.07)	
Anti-regime (domestic) X					0.00	
Coercive capacity					(0.01)	
Anti-regime (regional) X					0.09*	
Coercive capacity					(0.04)	
AIC	7096.91	7089.93	6868.35	6250.91	3431.45	5075.92
R ²	0.04	0.04	0.04	0.04	0.01	0.05
Max. R ²	0.56	0.56	0.55	0.52	0.32	0.53
Num. events	797	797	777	777	797	603
Num. obs.	8,999	8,999	8,886	8,886	8,999	7,055

Table A3: Robustness checks. Conditional logistic regression models. Standard errors clustered at the country level. Dependent variable: Occurrence of one or more pro-government rallies. Time lags depend on measurement interval. Time polynomials omitted from table. Significance levels: ***p<0.001; **p<0.01; *p<0.05; †p < 0.1.

	Model A13	Model A14	Model A15	Model A16	Model A17	Model A18
Anti-regime protest events (lag)	0.01*** (0.00)	0.01*** (0.00)	0.01*** (0.00)	0.01*** (0.00)	0.01*** (0.00)	0.01*** (0.00)
Anti-regime protest participants (log, lag)	0.01** (0.00)	0.01** (0.00)	0.01* (0.00)	0.01** (0.00)	0.00 (0.00)	0.01* (0.00)
Regional anti-regime protest (lag)	0.01** (0.00)	0.01** (0.00)	0.01** (0.00)	0.01** (0.00)	0.01 (0.00)	0.00 (0.00)
Pre-election period	0.11*** (0.02)	0.10*** (0.02)	0.10*** (0.02)	0.10*** (0.02)	0.10*** (0.02)	0.11*** (0.02)
Post-election period	0.00 (0.01)	-0.00 (0.01)	-0.01 (0.01)	-0.01 (0.01)	0.01 (0.01)	-0.01 (0.01)
Pre-coup period	0.12 [†] (0.06)					
Post-coup period	0.08 (0.06)					
Coup risk (lag)		0.09** (0.03)	0.08** (0.02)	0.08** (0.03)	0.05 [†] (0.03)	0.08** (0.03)
Violent conflict event (lag)			-0.00 (0.02)	0.01 (0.02)	-0.00 (0.01)	0.01 (0.01)
Terrorist event (lag)			0.03* (0.01)	0.01 (0.01)	0.00 (0.01)	0.03* (0.01)
State violence (lag)			0.01 (0.01)	0.00 (0.01)		0.00 (0.01)
Leader tenure (log)		0.00 (0.01)	-0.02 [†] (0.01)	-0.00 (0.01)	-0.00 (0.01)	-0.01 (0.01)
Leader age		-0.00 (0.00)	0.01* (0.00)			0.00 (0.00)
GDP per capita (log, lag)		-0.03 (0.03)	-0.05* (0.02)			-0.07 [†] (0.03)
GDP growth (lag)		-0.05 (0.05)	-0.09 (0.05)			-0.12* (0.06)
Population size (log, lag)		0.03 (0.02)	-0.00 (0.03)			-0.02 (0.03)
Media attention (lag)		0.00 (0.01)	0.00 (0.01)	0.00 (0.01)	0.00 (0.01)	0.00 (0.01)
Coercive capacity (centered)						0.00 (0.01)
Anti-regime (domestic) X						0.00* (0.00)
Coercive capacity						0.01 (0.01)
Anti-regime (regional) X						
Coercive capacity						
R ²	0.07	0.08	0.08	0.07	0.40	0.10
Adj. R ²	0.06	0.07	0.07	0.05	0.34	0.09
Num. obs.	8,999	8,999	8,886	8,886	8,999	7,055

Table A4: Robustness checks. Linear probability models. Standard errors clustered at the country level. Dependent variable: Occurrence of one or more pro-government rallies. Time lags depend on measurement interval. Time polynomials omitted from table. Significance levels: ***p<0.001; **p<0.01; *p<0.05; [†]p < 0.1.

Country	Start	End
Afghanistan	2009-01-01	2014-06-01
Algeria	2003-01-01	2015-12-31
Angola	2003-01-01	2015-12-31
Armenia	2003-01-01	2015-12-31
Azerbaijan	2003-01-01	2015-12-31
Bahrain	2003-01-01	2015-12-31
Bangladesh (1)	2007-01-01	2008-12-31
Bangladesh (2)	2014-01-01	2015-12-31
Belarus	2003-01-01	2015-12-31
Botswana	2003-01-01	2015-12-31
Burkina Faso	2003-01-01	2014-10-31
Burundi (1)	2003-01-01	2003-04-30
Burundi (2)	2013-01-01	2015-12-31
Cambodia	2003-01-01	2015-12-31
Cameroon	2003-01-01	2015-12-31
Central African Republic	2003-03-01	2014-30-01
Chad	2003-01-01	2015-12-31
China	2003-01-01	2015-12-31
Congo (Brazzaville)	2003-01-01	2015-12-31
Cuba	2003-01-01	2015-12-31
Democratic Rep. of the Congo	2003-01-01	2015-12-31
Egypt (1)	2003-01-01	2012-08-30
Egypt (2)	2013-07-01	2015-12-31
Eritrea	2003-01-01	2015-12-31
Ethiopia	2003-01-01	2015-12-31
Gabon	2003-01-01	2015-12-31
Gambia	2003-01-01	2015-12-31
Georgia	2003-01-01	2003-11-30
Guinea	2003-01-01	2010-01-30
Guinea-Bissau (1)	2003-01-01	2003-09-30
Guinea-Bissau (2)	2012-04-01	2014-05-31
Haiti	2003-01-01	2004-02-29
Iran	2003-01-01	2015-12-31
Ivory Coast	2003-01-01	2011-04-30
Jordan	2003-01-01	2015-12-31
Kazakhstan	2003-01-01	2015-12-31
Kuwait	2003-01-01	2015-12-31
Kyrgyzstan	2003-01-01	2010-05-31
Laos	2003-01-01	2015-12-31
Liberia	2003-01-01	2003-08-30
Libya	2003-01-01	2011-09-31
Madagascar	2009-03-01	2012-12-31
Malaysia	2003-01-01	2015-12-31
Mali	2013-01-01	2013-08-30
Mauritania	2003-01-01	2015-12-31
Morocco	2003-01-01	2015-12-31

Mozambique	2003-01-01	2015-12-31
Myanmar	2003-01-01	2015-12-31
Namibia	2003-01-01	2015-12-31
Nepal	2003-01-01	2006-04-24
Niger	2010-02-19	2011-03-02
North Korea	2003-01-01	2015-12-31
Oman	2003-01-01	2015-12-31
Pakistan	2003-01-01	2008-08-30
Russia	2003-01-01	2015-12-31
Rwanda	2003-01-01	2015-12-31
Saudi Arabia	2003-01-01	2015-12-31
Singapore	2003-01-01	2015-12-31
South Sudan	2011-07-01	2015-12-31
Sri Lanka	2013-01-01	2015-01-30
Sudan	2003-01-01	2015-12-31
Swaziland	2003-01-01	2015-12-31
Syria	2003-01-01	2012-12-31
Tajikistan	2003-01-01	2015-12-31
Tanzania	2003-01-01	2015-12-31
Thailand (1)	2006-09-01	2007-12-31
Thailand (2)	2014-05-01	2015-12-31
Togo	2003-01-01	2015-12-31
Tunisia	2003-01-01	2011-01-30
Turkmenistan	2003-01-01	2015-12-31
Uganda	2003-01-01	2015-12-31
United Arab Emirates	2003-01-01	2015-12-31
Uzbekistan	2003-01-01	2015-12-31
Venezuela	2005-12-04	2015-12-31
Vietnam	2003-01-01	2015-12-31
Yemen	2003-01-01	2012-12-31
Zambia	2003-01-01	2011-09-30
Zimbabwe	2003-01-01	2015-12-31

Table A5: Country-periods in the MMAD