

# Models pretest

Henrique Sposito and Livio Silva-Muller

2022-12-06

Table 1: Logistic regressions without controls

	<i>Dependent variable:</i>			
	con_vs_all	EI_vs_all	SD_vs_all	sov_vs_all
	(1)	(2)	(3)	(4)
as.factor(location_cat)International	1.428133*** (0.219915)	−0.553196*** (0.214763)	−0.602799* (0.349558)	−0.062210 (0.503403)
as.factor(location_cat)Brasilia	0.906197*** (0.170974)	−0.545414*** (0.133779)	−0.029135 (0.184092)	0.926453*** (0.265738)
as.factor(location_cat)Non Amazonian States	0.341677* (0.199516)	−0.167580 (0.137428)	0.320136* (0.185437)	0.847492*** (0.284152)
Constant	−2.314184*** (0.135330)	−0.840881*** (0.084386)	−2.111895*** (0.124778)	−3.378208*** (0.216806)
Observations	1,842	1,842	1,842	1,842
Log Likelihood	−747.454300	−1,030.679000	−638.763300	−393.904400
Akaike Inf. Crit.	1,502.909000	2,069.358000	1,285.527000	795.808800

*Note:*

\*p&lt;0.1; \*\*p&lt;0.05; \*\*\*p&lt;0.01

Table 2: Logistic regressions with controls

	<i>Dependent variable:</i>			
	con_vs_all	EI_vs_all	SD_vs_all	sov_vs_all
	(1)	(2)	(3)	(4)
as.factor(location_cat)International	1.492046*** (0.229509)	−0.369365* (0.220938)	−0.739607** (0.355058)	−0.337521 (0.512912)
as.factor(location_cat)Brasilia	0.969114*** (0.177542)	−0.458637*** (0.137446)	−0.167995 (0.189260)	0.836147*** (0.274671)
as.factor(location_cat)Non Amazonian States	0.299066 (0.202976)	−0.065077 (0.140752)	0.219405 (0.188588)	0.743678** (0.289024)
def_year	−0.035815*** (0.012952)	0.057492*** (0.009727)	−0.052378*** (0.014174)	−0.016812 (0.020492)
AAI	0.000465*** (0.000128)	−0.000235* (0.000120)	−0.000185 (0.000172)	−0.000029 (0.000229)
election_year	0.369590** (0.160235)	−0.006651 (0.133707)	0.308005* (0.173183)	−0.383513 (0.308030)
peak_year	0.100027 (0.174259)	−0.405109** (0.174453)	0.027028 (0.202631)	1.193138*** (0.245862)
Constant	−2.058157*** (0.256787)	−1.706787*** (0.199710)	−1.306907*** (0.266956)	−3.331776*** (0.417214)
Observations	1,842	1,842	1,842	1,842
Log Likelihood	−728.871200	−999.896000	−626.631100	−375.456500
Akaike Inf. Crit.	1,473.742000	2,015.792000	1,269.262000	766.913100
<i>Note:</i>			*p<0.1; **p<0.05; ***p<0.01	

Table 3: Fixed-effects logistic regressions by president with controls

	<i>Dependent variable:</i>			
	Environmental Conservation	Economic Integration	Social Development	National Sovereignty
	(1)	(2)	(3)	(4)
Speech outside Brazil	0.207*** (0.031)	−0.066* (0.038)	−0.057** (0.028)	−0.014 (0.020)
Speech in Brasilia	0.119*** (0.020)	−0.082*** (0.025)	−0.011 (0.018)	0.031** (0.013)
Speech in Non-amazonian Brazilian States	0.024 (0.022)	−0.008 (0.026)	0.023 (0.019)	0.032** (0.014)
Yearly Deforestation	−0.004** (0.002)	0.010*** (0.002)	−0.004** (0.002)	0.0001 (0.001)
Yearly Inflation	0.0001* (0.00003)	−0.0001*** (0.00004)	0.00003 (0.00003)	−0.00000 (0.00002)
Election Year	0.044** (0.022)	0.011 (0.027)	0.012 (0.020)	−0.010 (0.014)
Peak Year	0.033 (0.026)	−0.024 (0.032)	0.007 (0.024)	0.069*** (0.017)
Observations	1,842	1,842	1,842	1,842
R <sup>2</sup>	0.046	0.024	0.009	0.016
Adjusted R <sup>2</sup>	0.039	0.017	0.002	0.009
F Statistic (df = 7; 1827)	12.702***	6.438***	2.406**	4.314***

*Note:*

\*p&lt;0.1; \*\*p&lt;0.05; \*\*\*p&lt;0.01

Table 4: Fixed-effects logistic regressions by president with controls and separate peak years

	<i>Dependent variable:</i>			
	con_vs_all	EI_vs_all	SD_vs_all	sov_vs_all
	(1)	(2)	(3)	(4)
as.factor(location_cat)International	0.205*** (0.031)	−0.064* (0.038)	−0.056** (0.028)	−0.012 (0.020)
as.factor(location_cat)Brasilia	0.118*** (0.020)	−0.082*** (0.025)	−0.009 (0.018)	0.032** (0.013)
as.factor(location_cat)Non Amazonian States	0.024 (0.022)	−0.009 (0.026)	0.023 (0.019)	0.033** (0.014)
def_year	−0.004** (0.002)	0.010*** (0.002)	−0.003* (0.002)	−0.00002 (0.001)
AAI	0.0001 (0.0001)	−0.00004 (0.0001)	−0.00001 (0.0001)	0.00001 (0.00004)
election_year	0.044* (0.024)	0.021 (0.029)	0.013 (0.021)	−0.015 (0.016)
py_1989	0.030 (0.096)	−0.165 (0.117)	0.069 (0.085)	0.054 (0.063)
py_1992	−0.044 (0.359)	−0.368 (0.440)	−0.013 (0.320)	−0.067 (0.235)
py_2009	0.025 (0.039)	−0.030 (0.048)	0.061* (0.035)	0.025 (0.025)
py_2015	0.115* (0.067)	−0.005 (0.082)	−0.104* (0.060)	0.007 (0.044)
py_2019	0.006 (0.049)	0.038 (0.060)	−0.042 (0.044)	0.186*** (0.032)
Observations	1,842	1,842	1,842	1,842
R <sup>2</sup>	0.047	0.026	0.013	0.026
Adjusted R <sup>2</sup>	0.038	0.016	0.004	0.017
F Statistic (df = 11; 1823)	8.249***	4.416***	2.268***	4.503***

*Note:*

\*p&lt;0.1; \*\*p&lt;0.05; \*\*\*p&lt;0.01