

# Models pretest

Henrique Sposito and Livio Silva-Muller

2022-12-06

Table 1: Logistic Regressions

	<i>Dependent variable:</i>				
	con_vs_all	EI_vs_all	SD_vs_all	sov_vs_all	amazon_speech
	(1)	(2)	(3)	(4)	(5)
as.factor(location_cat)Amazonian Countries	0.032892 (0.331379)	0.412766** (0.204027)	-1.898104*** (0.601869)	-0.631820 (0.637848)	-0.800338*** (0.198987)
as.factor(location_cat)International	1.499449*** (0.248097)	-0.289674 (0.227523)	-1.086206*** (0.374712)	-0.356450 (0.526354)	-2.440787*** (0.170595)
as.factor(location_cat)Brasilia	1.112710*** (0.196199)	-0.451914*** (0.149576)	-0.288732 (0.196033)	0.539147* (0.294192)	-2.236368*** (0.162504)
as.factor(location_cat)Non Amazonian States	0.253665 (0.221272)	-0.006259 (0.151372)	0.003792 (0.194718)	0.629785** (0.307703)	-2.086582*** (0.161806)
election_year	0.487150*** (0.168138)	-0.130105 (0.140068)	0.099428 (0.177209)	-0.282827 (0.299886)	-0.008737 (0.092986)
def_year	-0.015791 (0.014306)	0.013458 (0.010445)	-0.061088*** (0.015797)	-0.006467 (0.023699)	-0.015398** (0.006407)
AAI	0.000265 (0.000190)	-0.000173 (0.000171)	-0.000086 (0.000240)	0.000541 (0.000345)	0.000733*** (0.000127)
partyPRN	1.515934*** (0.401531)	-0.421923 (0.479530)	-0.946969 (0.769429)	-14.916040 (641.689100)	-0.594276* (0.308488)
partyPSDB	-0.193180 (0.328405)	0.430948* (0.258037)	-0.152775 (0.387960)	0.398563 (0.596387)	1.155358*** (0.166388)
partyPSL	-0.121666 (0.408507)	-0.317356 (0.354124)	-1.593283** (0.623960)	2.098865*** (0.625978)	1.381985*** (0.229169)
partyPT	0.026567 (0.321806)	-0.188568 (0.263158)	0.179752 (0.372218)	0.048319 (0.612893)	0.844855*** (0.156767)
Constant	-2.345884*** (0.420797)	-1.150633*** (0.320856)	-0.896803** (0.446927)	-3.523009*** (0.738385)	-0.351573 (0.219162)
Observations	1,753	1,753	1,753	1,753	5,778
Log Likelihood	-688.955600	-964.847400	-577.262200	-343.926100	-2,302.726000
Akaike Inf. Crit.	1,401.911000	1,953.695000	1,178.524000	711.852200	4,629.451000

Note:

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

Table 2: Fixed-effects Regressions

	<i>Dependent variable:</i>			
	con_vs_all	EI_vs_all	SD_vs_all	sov_vs_all
	(1)	(2)	(3)	(4)
as.factor(location_cat)Amazonian Countries	0.025376 (0.034344)	0.057703 (0.041636)	−0.106391*** (0.030730)	−0.010512 (0.022406)
as.factor(location_cat)International	0.196419*** (0.033456)	−0.075294* (0.040560)	−0.068849** (0.029935)	−0.013858 (0.021827)
as.factor(location_cat)Brasilia	0.118052*** (0.022551)	−0.085437*** (0.027340)	−0.029238 (0.020178)	0.028490* (0.014713)
as.factor(location_cat)Non Amazonian States	0.015168 (0.023665)	−0.011241 (0.028690)	0.002673 (0.021175)	0.031595** (0.015439)
partyPRN	−0.116280 (0.253869)	0.119313 (0.307775)	0.016809 (0.227153)	0.018091 (0.165625)
partyPT	0.372398 (0.398370)	0.257507 (0.482959)	−0.971716*** (0.356448)	0.026082 (0.259899)
Observations	1,753	1,753	1,753	1,753
R <sup>2</sup>	0.033042	0.011365	0.014829	0.005728
Adjusted R <sup>2</sup>	0.010450	−0.011734	−0.008189	−0.017503
F Statistic	9.750155*** (df = 6; 1712)	3.280093*** (df = 6; 1712)	4.295008*** (df = 6; 1712)	1.643798 (df = 6; 1712)

*Note:*

Table 3: Logistic Regressions with Lagged Year

	<i>Dependent variable:</i>				
	con_vs_all	EI_vs_all	SD_vs_all	sov_vs_all	amazon_speech
	(1)	(2)	(3)	(4)	(5)
as.factor(location_cat)Amazonian Countries	0.056334 (0.332281)	0.361488* (0.204687)	-1.904230*** (0.601803)	-0.626606 (0.638128)	-0.810750*** (0.198715)
as.factor(location_cat)International	1.456880*** (0.248862)	-0.197154 (0.229309)	-1.105647*** (0.374353)	-0.369155 (0.527084)	-2.439093*** (0.170432)
as.factor(location_cat)Brasilia	1.088631*** (0.196703)	-0.417903*** (0.150406)	-0.303591 (0.196629)	0.533607* (0.294502)	-2.228851*** (0.162331)
as.factor(location_cat)Non Amazonian States	0.240155 (0.221356)	0.001361 (0.151731)	0.042003 (0.194385)	0.630363** (0.306888)	-2.076601*** (0.161573)
election_year	0.459668*** (0.167063)	-0.028647 (0.143435)	0.079954 (0.177261)	-0.289167 (0.298603)	0.016857 (0.093697)
def_year	-0.037258** (0.014509)	0.052551*** (0.010781)	-0.053755*** (0.014944)	-0.011702 (0.023663)	-0.004618 (0.006129)
AAI	0.000334* (0.000190)	-0.000274 (0.000176)	-0.000030 (0.000242)	0.000555 (0.000343)	0.000709*** (0.000128)
partyPRN	1.479584*** (0.396589)	-0.285386 (0.478544)	-0.826079 (0.767213)	-14.918490 (641.713600)	-0.526849* (0.307212)
partyPSDB	-0.189735 (0.323931)	0.409957 (0.261104)	-0.248961 (0.383318)	0.394290 (0.591038)	1.092295*** (0.165522)
partyPSL	-0.349626 (0.415706)	0.111457 (0.365760)	-1.700783*** (0.629128)	2.028871*** (0.643214)	1.415556*** (0.231927)
partyPT	-0.023663 (0.316036)	-0.118268 (0.264060)	0.300136 (0.367089)	0.035480 (0.603809)	0.871514*** (0.156895)
Constant	-1.973687*** (0.419217)	-1.865871*** (0.328449)	-1.006769** (0.443531)	-3.426698*** (0.737199)	-0.512220** (0.218303)
Observations	1,753	1,753	1,753	1,753	5,778
Log Likelihood	-686.137400	-953.717800	-578.627700	-343.839600	-2,305.387000
Akaike Inf. Crit.	1,396.275000	1,931.436000	1,181.255000	711.679300	4,634.775000

Note:

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

Table 4: Logistic Regressions with Lagged Year and Party Ideology

	<i>Dependent variable:</i>				
	con_vs_all	EI_vs_all	SD_vs_all	sov_vs_all	amazon_speech
	(1)	(2)	(3)	(4)	(5)
as.factor(location_cat)Amazonian Countries	0.041725 (0.334451)	0.355461* (0.206199)	-1.917685*** (0.601891)	-0.626606 (0.638091)	-0.758393*** (0.201562)
as.factor(location_cat)International	1.477832*** (0.253400)	-0.193758 (0.232870)	-1.106408*** (0.374814)	-0.369155 (0.527082)	-2.405118*** (0.172897)
as.factor(location_cat)Brasilia	1.062896*** (0.198505)	-0.401347*** (0.151057)	-0.318151 (0.196544)	0.533607* (0.294502)	-2.167250*** (0.164238)
as.factor(location_cat)Non Amazonian States	0.128812 (0.233772)	0.054143 (0.153346)	0.006702 (0.196270)	0.630363** (0.306888)	-2.028535*** (0.163603)
election_year	0.441134*** (0.168691)	-0.022068 (0.143729)	0.076881 (0.177480)	-0.289167 (0.298602)	0.012087 (0.093684)
def_year	-0.036756** (0.014571)	0.052547*** (0.010775)	-0.053930*** (0.014960)	-0.011702 (0.023662)	-0.004569 (0.006124)
AAI	0.000454** (0.000202)	-0.000312* (0.000180)	-0.000007 (0.000246)	0.000555 (0.000343)	0.000743*** (0.000129)
populism	0.151474 (7.705133)	6.271023 (5.965501)	-2.197738 (8.743273)	6.845861 (13.429520)	24.674220*** (3.734333)
anti_pluralism	-0.126043 (5.044724)	-4.909915 (3.881508)	0.169912 (5.762175)	-2.703857 (8.689755)	-15.515950*** (2.473258)
left_right	-0.030471 (1.423719)	1.347285 (1.096935)	-0.571191 (1.616733)	1.343685 (2.467963)	4.571894*** (0.692881)
Constant	-2.134731 (2.589856)	-3.691061* (2.007317)	-0.224589 (2.918221)	-5.596237 (4.531364)	-7.916806*** (1.226477)
Observations	1,716	1,716	1,716	1,716	5,636
Log Likelihood	-659.787500	-937.370400	-571.208100	-343.839600	-2,259.833000
Akaike Inf. Crit.	1,341.575000	1,896.741000	1,164.416000	709.679300	4,541.665000

Note:

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

Table 5: Logistic Regressions with president fixed-effects

	<i>Dependent variable:</i>			
	con_vs_all (1)	EI_vs_all (2)	SD_vs_all (3)	sov_vs_all (4)
as.factor(location_cat)Amazonian Countries	0.011429 (0.032818)	0.069279* (0.040181)	−0.099283*** (0.029249)	−0.015537 (0.021671)
as.factor(location_cat)International	0.210715*** (0.031921)	−0.051733 (0.039084)	−0.078147*** (0.028450)	−0.013806 (0.021079)
as.factor(location_cat)Brasilia	0.119714*** (0.021433)	−0.066092** (0.026243)	−0.032387* (0.019103)	0.024318* (0.014153)
as.factor(location_cat)Non Amazonian States	0.027092 (0.022696)	0.006405 (0.027788)	0.002021 (0.020227)	0.030379** (0.014987)
def_year	−0.004545** (0.001948)	0.010093*** (0.002385)	−0.003200* (0.001736)	−0.001056 (0.001287)
AAI	0.000075** (0.000029)	−0.000120*** (0.000036)	0.000031 (0.000026)	0.000038** (0.000019)
election_year	0.040457* (0.021812)	0.015214 (0.026706)	0.008270 (0.019440)	−0.017545 (0.014403)
Observations	1,842	1,842	1,842	1,842
R <sup>2</sup>	0.045650	0.025374	0.015292	0.007986
Adjusted R <sup>2</sup>	0.038337	0.017905	0.007746	0.000385
F Statistic	12.484580*** (df = 7; 1827)	6.794930*** (df = 7; 1827)	4.053139*** (df = 7; 1827)	2.101169** (df = 7; 1827)

*Note:*