

15 March 2017

1 Overview

At our previous meeting we decided to do the following:

- Compare same state Senators who are up for reelection against those who aren't, taking Levitt (1996), Table 4 as inspiration
- Reconduct analyses with an interaction effect between member vote share and presidential vote share
- Conduct analyses with party free response rate as the DV
- Produce figures which plot ideological extremism against response party influenced and party free response rate with standard errors included on the fit lines.

These are included below. For analysis of reelection, William and I settled on a generalized version of difference in differences estimation, which is detailed below.

2 Tables and Figures

2.1 Generalized Difference in Differences Tests

Our generalized form of the diff in diff uses cases in which there are 2 Senators from a state in a given Congress, one of whom is up for reelection at the end of the Congress and one of whom is not. The effect is calculated by subtracting the response rate of the Senator not up for reelection from the response rate of the other Senator from their state who is up for reelection. Analysis is conducted with both party influenced and party free response rates as the dependent variable, with results of the test reported against a placebo test in which treatment is randomly assigned.

The first table in each set provides a naive calculation of the confidence interval while the second uses weights the effect by seat pair type. The third table provides the estimated effect for each seat pair type. The tables provided report the estimate for the ATT and the lower and upper bounds of a bootstrapped 95% confidence interval. Bootstraps for the first 2 tables in each set are conducted at the state level, while the disaggregated results required bootstrapping by Congress/state pairs. The results we obtained are largely in line with our expectations.

Table 1: Difference in Differences, Party Influenced Rate, Reelection Treatment vs. Random Assignment

Test	DV	Estimate	Lower Bound	Upper Bound
Effect	pirate100	-1.5685604	-2.0957029	-0.97344617
Placebo	pirate100	-0.6902020	-1.2397304	1.23271255

Table 2: Weighted Difference in Differences, Party Influenced Rate, Reelection Treatment vs. Random Assignment

Test	DV	Estimate	Lower Bound	Upper Bound
Adjusted Effect	pirate100	-1.5685604	-2.1541096	-0.97751751
Adjusted Placebo	pirate100	-0.6902020	-6.1688446	6.06350669

Table 3: Disaggregated Difference in Differences, Party Influenced Rate, Reelection Treatment vs. Random Assignment

Test	DV	Estimate	Lower Bound	Upper Bound
2 Maj Dems Effect	pfrate100	0.0708958	-1.1103696	1.3021792
2 Maj Dems Placebo	pfrate100	-0.2036783	-1.3153739	2.5118232
2 Min Dems Effect	pfrate100	-1.8733904	-3.3561696	-0.3365146
2 Min Dems Placebo	pfrate100	-0.9602191	-4.4928217	0.0446105
2 Maj Reps Effect	pfrate100	-1.1307379	-2.7893727	0.4274621
2 Maj Reps Placebo	pfrate100	-0.2868056	-2.4327395	0.8163004
2 Min Reps Effect	pfrate100	0.3990873	-1.9098626	2.7513303
2 Min Reps Placebo	pfrate100	0.0147628	-0.7190561	4.9846197
Split, Maj Dem Effect	pfrate100	-2.4804711	-5.2946938	0.1946835
Split, Maj Dem Placebo	pfrate100	-0.7279546	-6.5153100	0.7413151
Split, Maj Rep Effect	pfrate100	-4.3246972	-7.9137123	-1.0528934
Split, Maj Rep Placebo	pfrate100	0.3390961	-4.6591781	3.0814310

Table 4: Difference in Differences, Party Free Rate, Reelection Treatment vs. Random Assignment

Test	DV	Estimate	Lower Bound	Upper Bound
Effect	pfrate100	-0.2969119	-0.7350467	0.13767116
Placebo	pfrate100	-0.3120122	-1.0565962	1.06650160

Table 5: Weighted Difference in Differences, Party Free Rate, Reelection Treatment vs. Random Assignment

Test	DV	Estimate	Lower Bound	Upper Bound
Adjusted Effect	pfrate100	-0.2969119	-0.7111920	0.14368690
Adjusted Placebo	pfrate100	-0.3120122	-6.5885299	6.18565591

Table 6: Disaggregated Difference in Differences, Party Free Rate, Reelection Treatment vs. Random Assignment

Test	DV	Estimate	Lower Bound	Upper Bound
2 Maj Dems Effect	pfrate100	0.1900901	-0.9051052	1.2085652
2 Maj Dems Placebo	pfrate100	-0.9693719	-2.1048645	1.1132629
2 Min Dems Effect	pfrate100	-0.0480525	-1.4851263	1.2185462
2 Min Dems Placebo	pfrate100	-0.4318845	-2.0335940	2.0935476
2 Maj Reps Effect	pfrate100	1.0805092	-0.3291277	2.4347626
2 Maj Reps Placebo	pfrate100	0.4701269	-1.5580550	2.6796322
2 Min Reps Effect	pfrate100	-0.3783909	-2.2545156	1.5678486
2 Min Reps Placebo	pfrate100	0.6484191	-2.8825838	1.8106381
Split, Maj Dem Effect	pfrate100	-1.3097195	-3.3250855	0.6320594
Split, Maj Dem Placebo	pfrate100	0.5617371	-3.3700814	2.9765242
Split, Maj Rep Effect	pfrate100	-0.6552082	-2.9814058	1.6811481
Split, Maj Rep Placebo	pfrate100	0.3091112	-4.2642729	1.4093758

2.2 Models With Vote Share Interaction

Table 7: Senate Inter-Party Regression With Vote Share Interaction

	Democrats	Republicans	Majority	Minority
ideological_extremism	3.141*** (0.409)	7.798*** (0.357)	4.724*** (0.314)	7.942*** (0.398)
pfrate100	0.758*** (0.030)	0.738*** (0.031)	0.697*** (0.025)	0.685*** (0.036)
pres_vote_share \times vote_share	8.236 (19.356)	36.837 (31.549)	33.931* (16.361)	103.889** (32.684)
pres_vote_share	18.121 (12.592)	-35.589 (19.274)	-3.266 (10.542)	-63.056** (20.265)
vote_share	-9.240 (9.607)	-6.762 (18.774)	-18.502* (8.605)	-49.738** (18.277)
female	1.730* (0.736)	0.596 (1.139)	0.613 (0.757)	4.474*** (1.109)
afam	-1.149 (2.790)	-10.540* (4.283)	1.616 (4.177)	-5.209 (3.203)
latino	1.838 (2.199)	7.088* (2.783)	4.805* (1.875)	5.847 (3.489)
up_for_reelection	-0.629 (0.426)	-1.410** (0.538)	-0.919* (0.411)	-1.188* (0.599)
seniority	0.040 (0.052)	-0.016 (0.072)	0.078 (0.060)	0.130 (0.069)
freshman	0.755 (0.709)	0.372 (0.842)	0.574 (0.630)	1.006 (1.026)
retiree	1.602 (0.897)	2.272* (0.997)	1.851* (0.849)	2.463* (1.105)
best_committee	0.235 (0.124)	0.007 (0.154)	0.026 (0.118)	0.331 (0.174)
leader	2.212** (0.713)	0.869 (0.776)	1.347* (0.661)	2.023* (0.894)
power_committee	-0.855 (0.772)	-0.352 (0.925)	-0.094 (0.718)	-1.402 (1.058)
chair	0.864 (0.544)	3.612*** (0.700)	0.002 (0.516)	
south	-1.685** (0.558)	0.939 (0.581)	0.170 (0.430)	1.362* (0.625)
(Intercept)	12.094 (6.866)	31.444** (11.882)	27.678*** (6.060)	47.493*** (12.213)
R ²	0.689	0.642	0.685	0.619
Adj. R ²	0.684	0.635	0.680	0.612
Num. obs.	1042	951	1052	843
RMSE	6.121	7.253	5.856	7.707

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Table 8: Senate Intra-Party Regression With Vote Share Interaction

	Democrats		Republicans	
	Southern	Others	Gingrich Senators	Others
ideological_extremism	4.516*** (1.156)	2.635*** (0.409)	3.056*** (0.648)	6.536*** (0.400)
pfrate100	0.850*** (0.065)	0.636*** (0.035)	0.255*** (0.053)	0.823*** (0.034)
pres_vote_share \times vote_share	4.879 (35.409)	-19.811 (26.647)	-28.408 (39.908)	61.766 (35.099)
pres_vote_share	23.336 (25.009)	35.113* (16.522)	17.874 (24.739)	-42.450* (21.393)
vote_share	-5.032 (16.781)	6.756 (13.862)	18.872 (23.437)	-26.916 (20.963)
female	0.231 (1.995)	2.421** (0.739)		2.165 (1.127)
up_for_reelection	-1.548 (1.075)	-0.345 (0.432)	-0.466 (0.699)	-1.725** (0.586)
seniority	-0.294* (0.141)	0.138* (0.055)	-0.277 (0.180)	0.152* (0.076)
freshman	2.026 (1.774)	0.730 (0.727)	-0.219 (0.969)	0.173 (0.967)
retiree	1.650 (2.260)	1.926* (0.925)	2.905 (1.617)	2.394* (1.047)
best_committee	0.570 (0.310)	0.131 (0.129)	0.089 (0.182)	0.043 (0.177)
leader	5.730* (2.319)	1.764* (0.695)	1.759 (1.144)	0.835 (0.839)
power_committee	0.762 (2.131)	-1.333 (0.780)	1.064 (1.121)	-1.297 (1.057)
chair	3.101* (1.404)	0.572 (0.556)	1.291 (1.114)	3.649*** (0.738)
afam		-1.035 (2.494)		-7.389 (4.197)
latino		2.767 (1.969)	3.077 (2.535)	3.143 (3.611)
south			-0.097 (0.727)	1.114 (0.663)
(Intercept)	-4.701 (13.273)	14.141 (9.099)	56.912*** (16.065)	30.957* (13.116)
R ²	0.728	0.572	0.238	0.679
Adj. R ²	0.712	0.563	0.172	0.672
Num. obs.	246	796	188	763
RMSE	7.350	5.447	4.073	7.080

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Table 9: Senate Inter-Party Fixed Effects Models With Vote Share Interaction

	Democrats	Republicans	Majority	Minority
ideological_extremism	2.87*** (0.68)	3.99*** (0.74)	1.77** (0.63)	3.86*** (0.96)
pfrate100	0.37*** (0.05)	0.25*** (0.05)	0.37*** (0.05)	0.17* (0.07)
vote_share \times pres_vote_share	22.96 (23.59)	54.35 (30.34)	28.62 (30.61)	57.86 (30.56)
vote_share	-8.73 (10.95)	-37.15 (19.24)	-12.46 (16.42)	-34.12 (18.33)
pres_vote_share	11.50 (15.74)	-24.70 (19.31)	10.77 (19.69)	-21.74 (20.62)
freshman	0.66 (0.48)	0.99* (0.47)	0.68 (0.46)	0.83 (0.76)
retiree	0.20 (0.83)	0.84 (0.82)	0.40 (0.99)	0.60 (0.90)
best_committee	0.13 (0.12)	0.08 (0.16)	0.27 (0.15)	0.32 (0.18)
up_for_reelection	-0.54* (0.27)	-1.51*** (0.35)	-0.99*** (0.28)	-1.05** (0.37)
power_committee	-0.46 (0.70)	-0.20 (0.98)	-1.21 (0.90)	-0.41 (1.01)
leader	0.88 (0.49)	1.43* (0.61)	1.38 (0.77)	1.37 (0.78)
chair	0.41 (0.65)	0.61 (0.71)	-0.54 (0.55)	
Num. obs.	1042	951	1052	843
R ²	0.89	0.91	0.92	0.94
Adj. R ²	0.87	0.88	0.89	0.91

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Table 10: Senate Intra-Party Fixed Effects Models With Vote Share Interaction

	Democrats		Republicans	
	Southern	Others	Gingrich Senators	Others
ideological_extremism	10.72*** (2.58)	2.04*** (0.56)	2.11 (1.52)	4.01*** (0.86)
pfrate100	0.05 (0.15)	0.37*** (0.06)	0.12 (0.11)	0.27*** (0.06)
vote_share \times pres_vote_share	25.89 (31.72)	-14.11 (26.42)	-40.08 (24.94)	71.18* (36.07)
vote_share	-10.78 (13.70)	12.44 (13.97)	22.12 (14.85)	-48.76* (23.22)
pres_vote_share	2.67 (25.72)	22.16 (18.65)	24.92 (19.32)	-32.27 (23.02)
freshman	0.57 (0.91)	1.09* (0.51)	-0.38 (0.85)	1.55* (0.60)
retiree	-2.93 (2.11)	0.89 (0.64)	1.47 (1.06)	0.73 (0.92)
best_committee	0.46 (0.32)	0.04 (0.12)	0.32 (0.30)	0.02 (0.18)
up_for_reelection	-0.41 (0.72)	-0.46 (0.28)	-0.62 (0.55)	-1.73*** (0.41)
power_committee	-2.01 (2.23)	-0.10 (0.66)	-0.88 (1.20)	0.17 (1.14)
leader	2.65 (2.16)	0.76 (0.49)	0.97 (0.89)	1.47* (0.72)
chair	1.84 (1.66)	0.30 (0.60)	-1.00 (0.95)	0.73 (0.82)
Num. obs.	246	796	188	763
R ²	0.91	0.87	0.66	0.91
Adj. R ²	0.87	0.84	0.50	0.88

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Figure 1: House Ideological Extremism Coefficient Plot, Majority

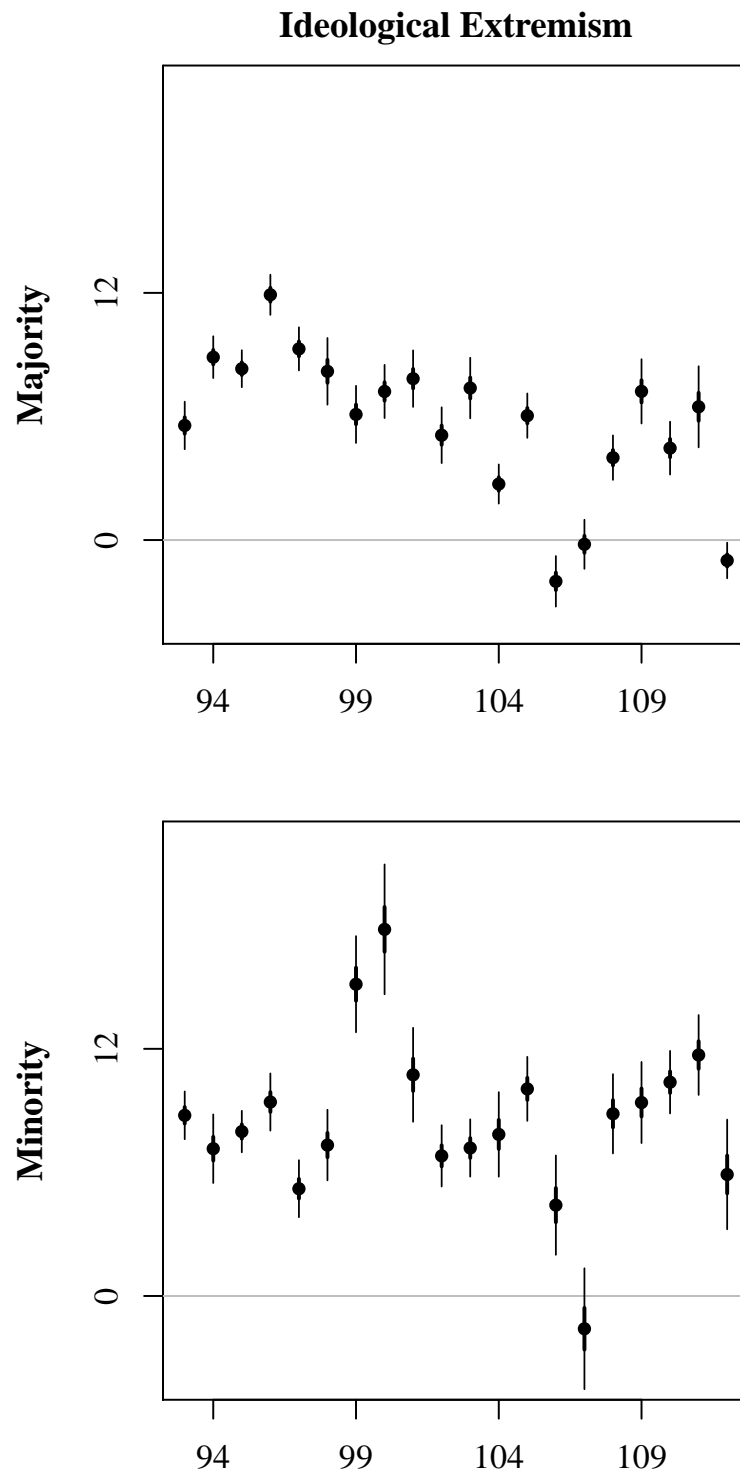


Figure 2: House Ideological Extremism Coefficient Plot, Party

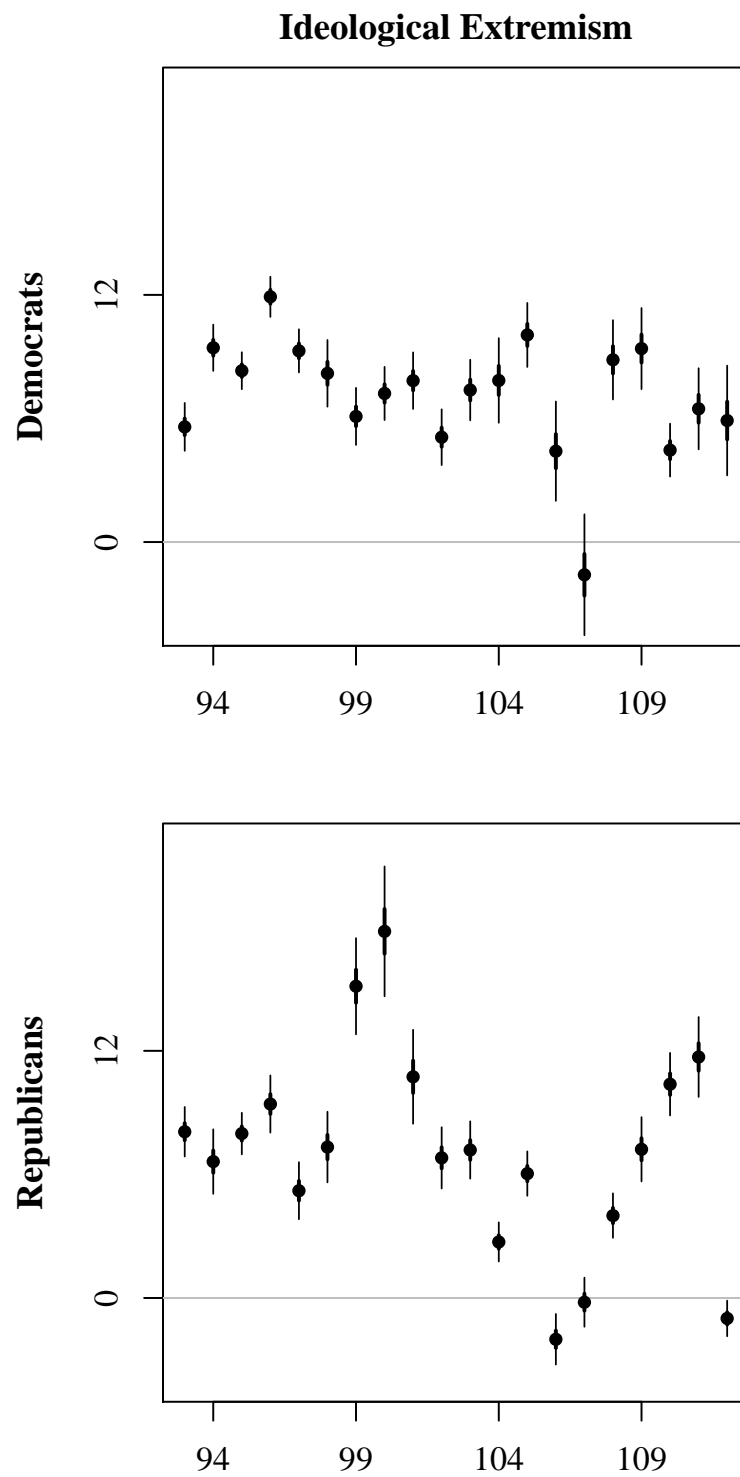


Figure 3: House Ideological Extremism Coefficient Plot, Southern and Other Democrats

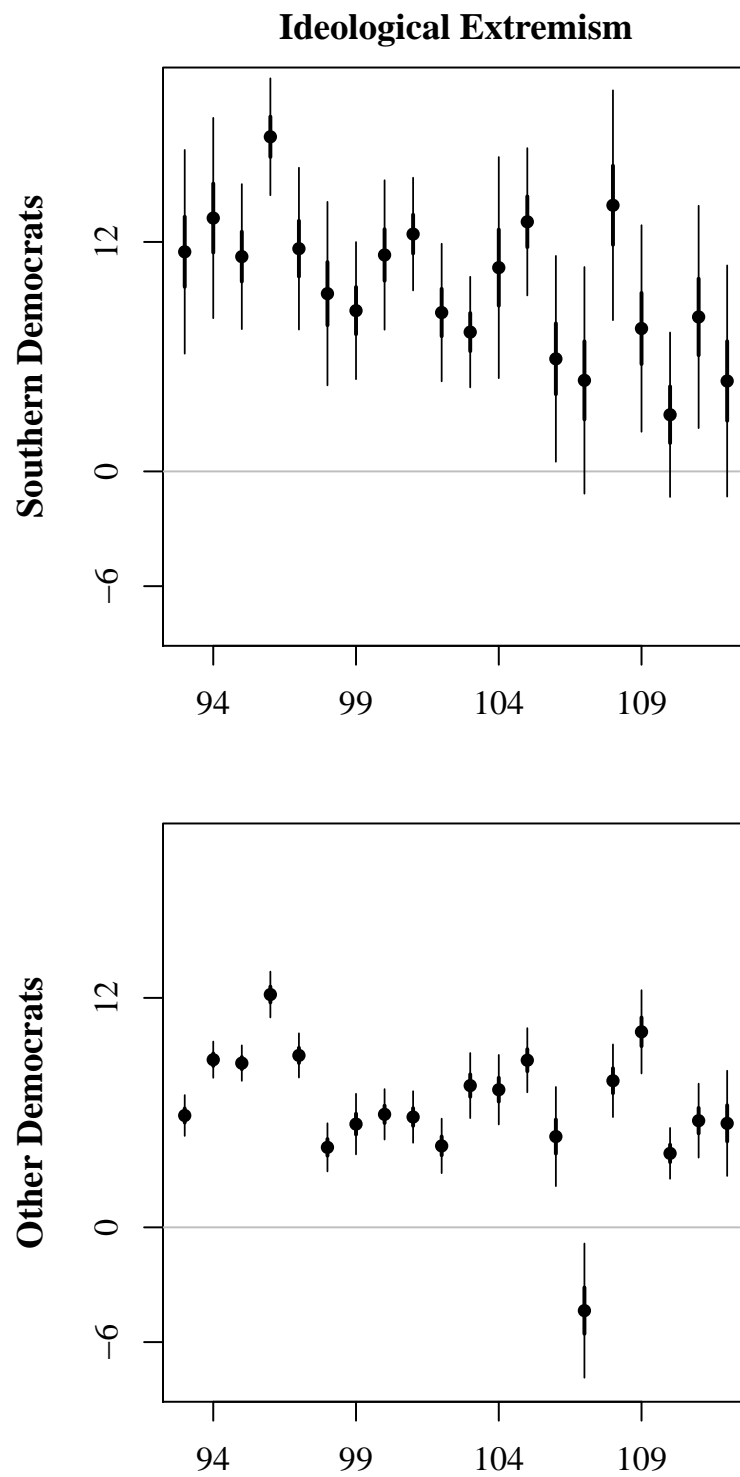


Figure 4: Senate Ideological Extremism Coefficient Plot, Majority

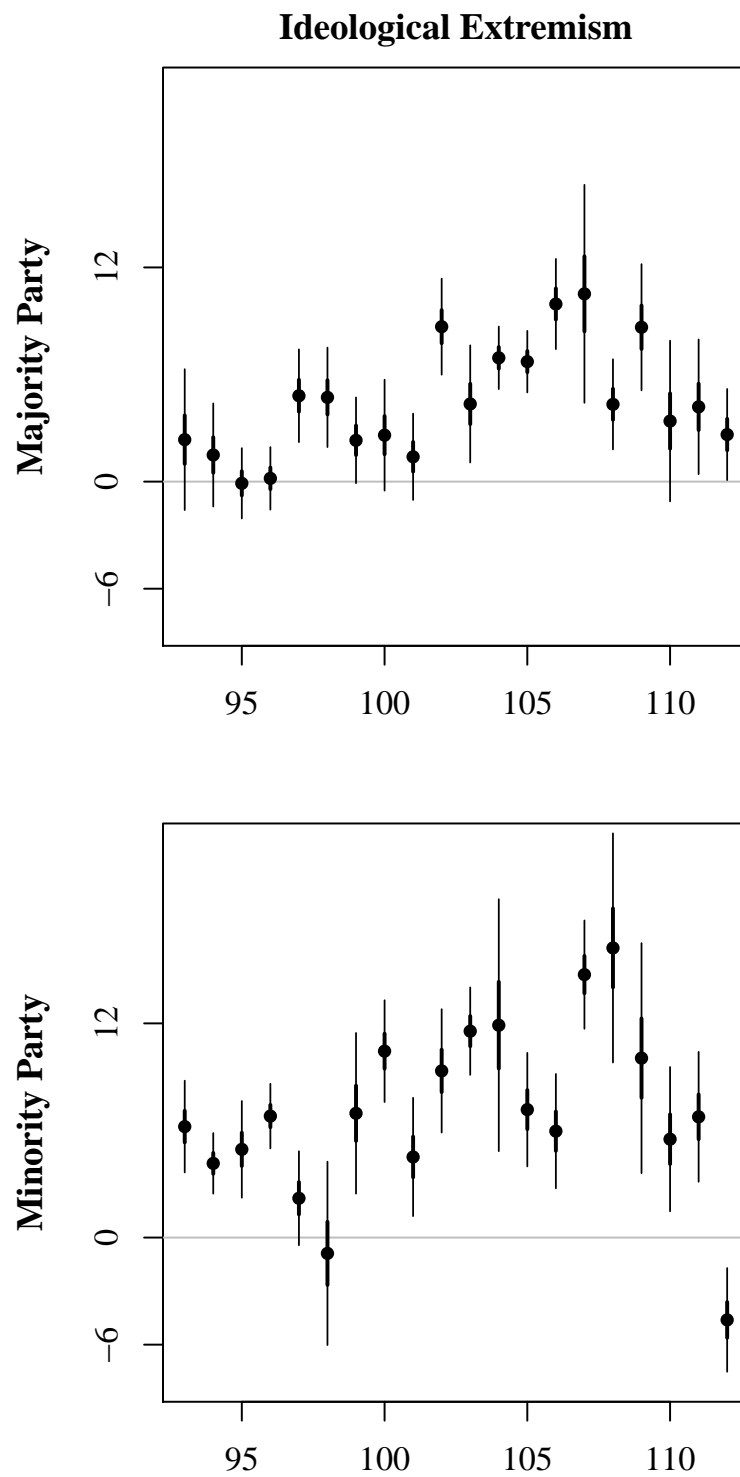


Figure 5: Senate Ideological Extremism Coefficient Plot, Party

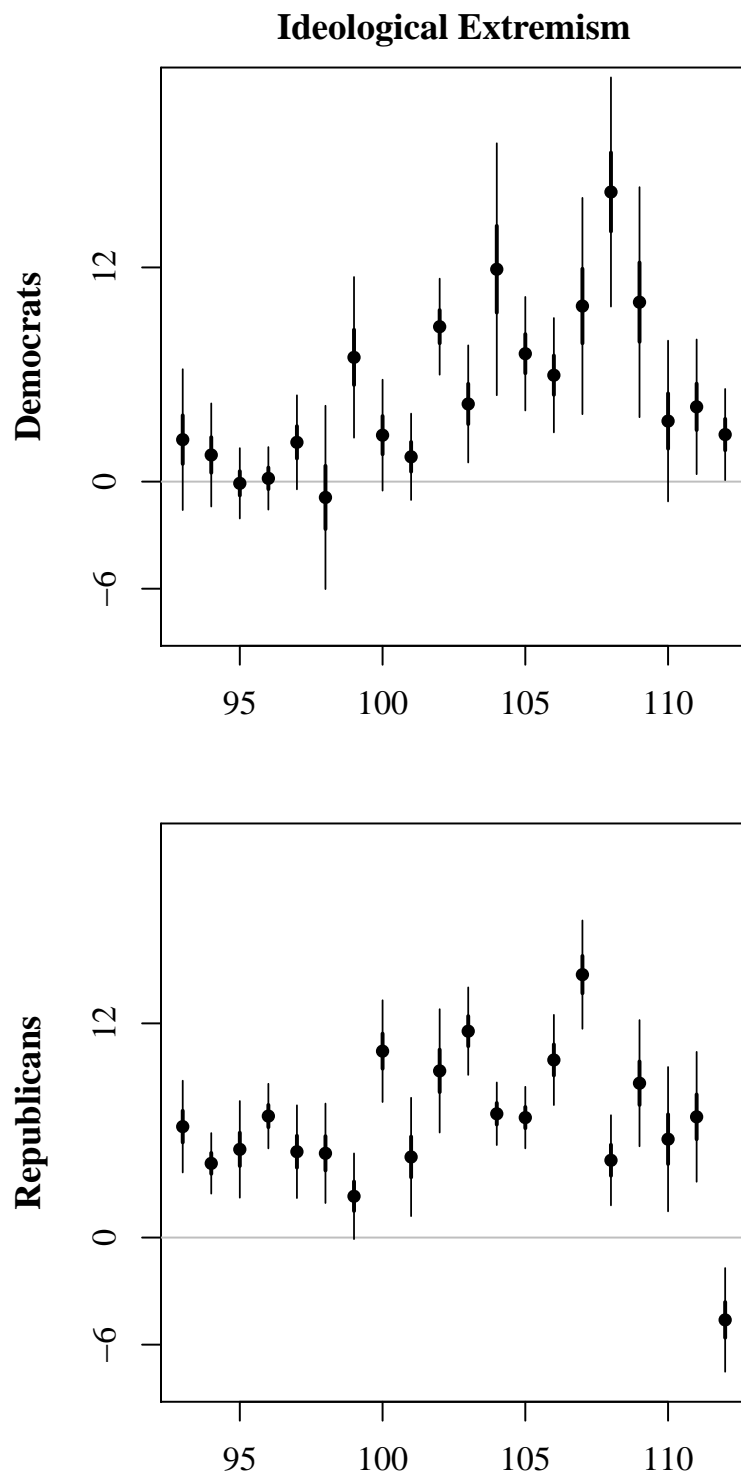


Figure 6: Senate Ideological Extremism Coefficient Plot, Election Proximity

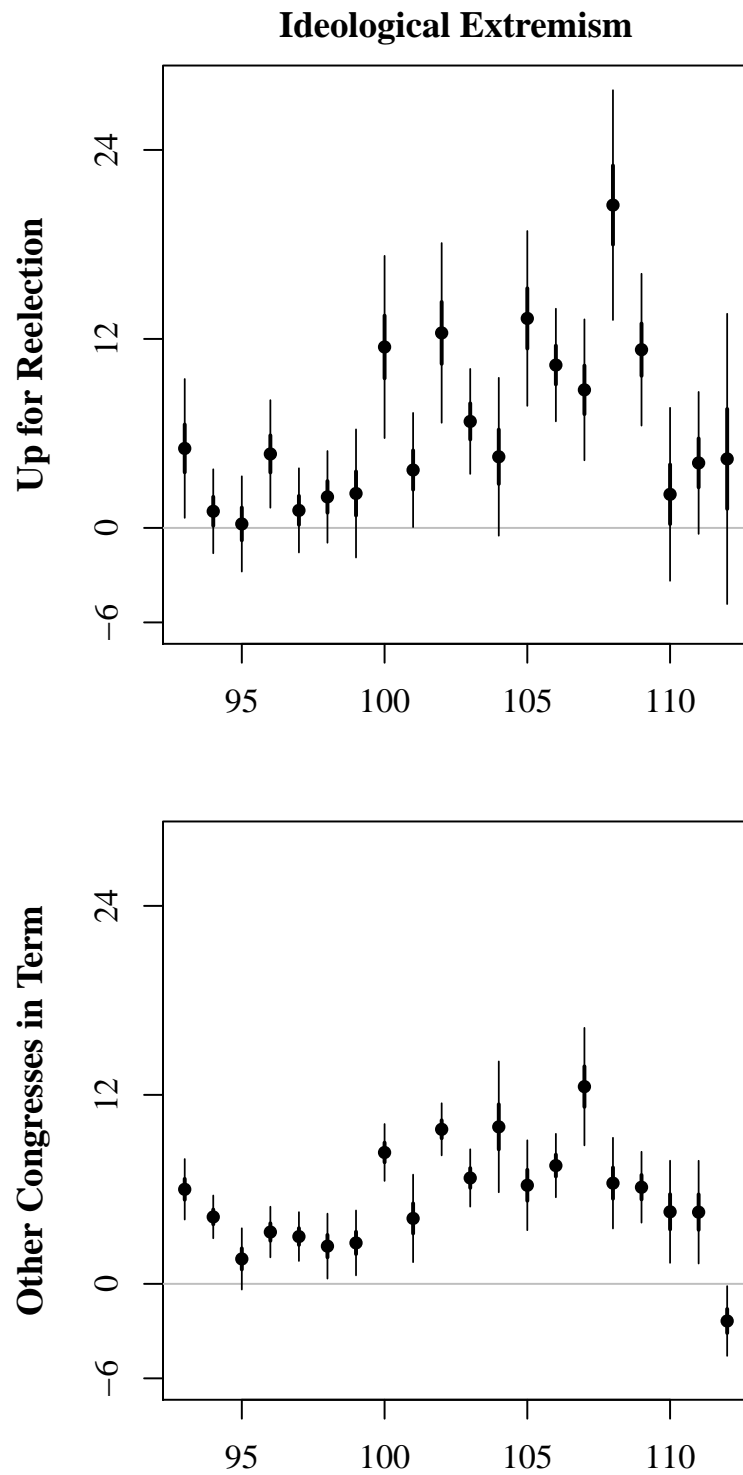


Figure 7: Senate Ideological Extremism Coefficient Plot, Gingrich Senators and Other Republicans

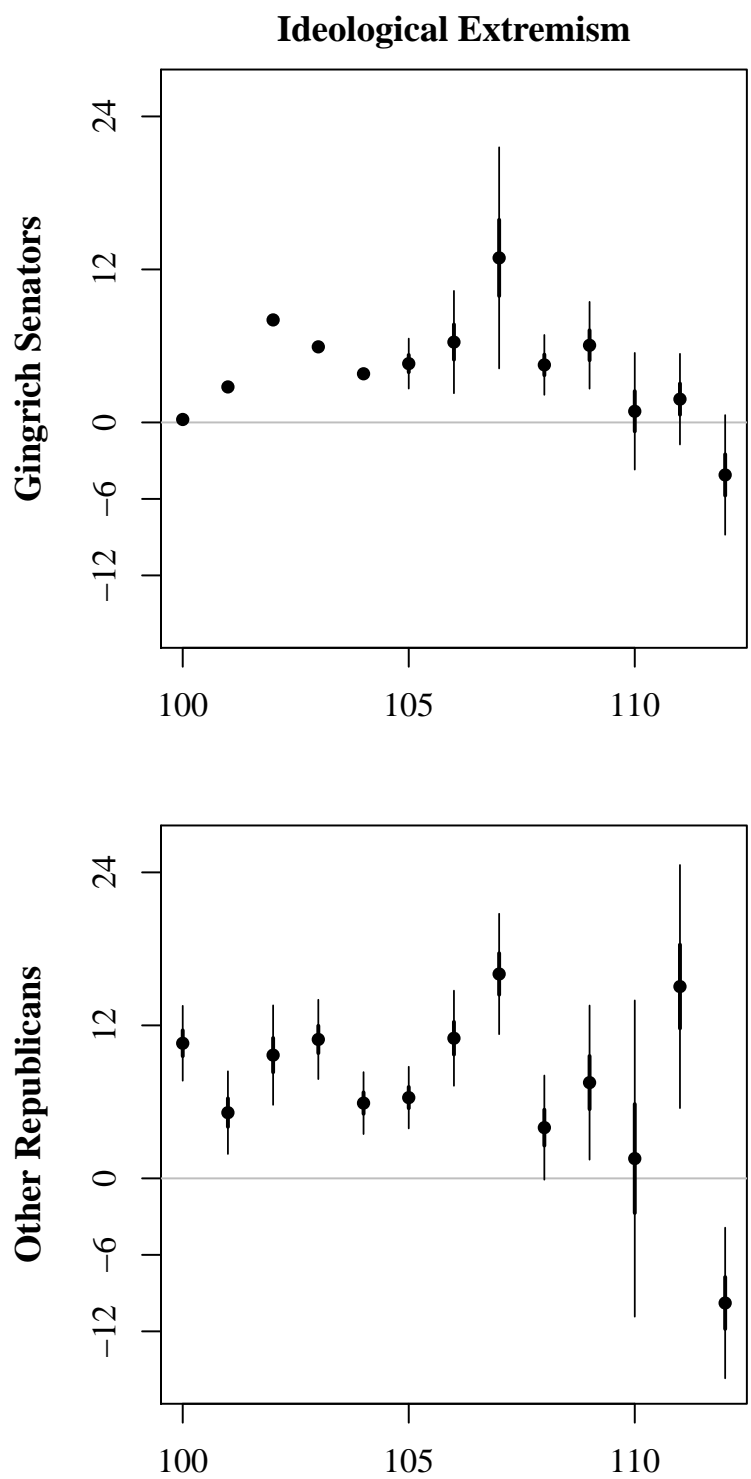
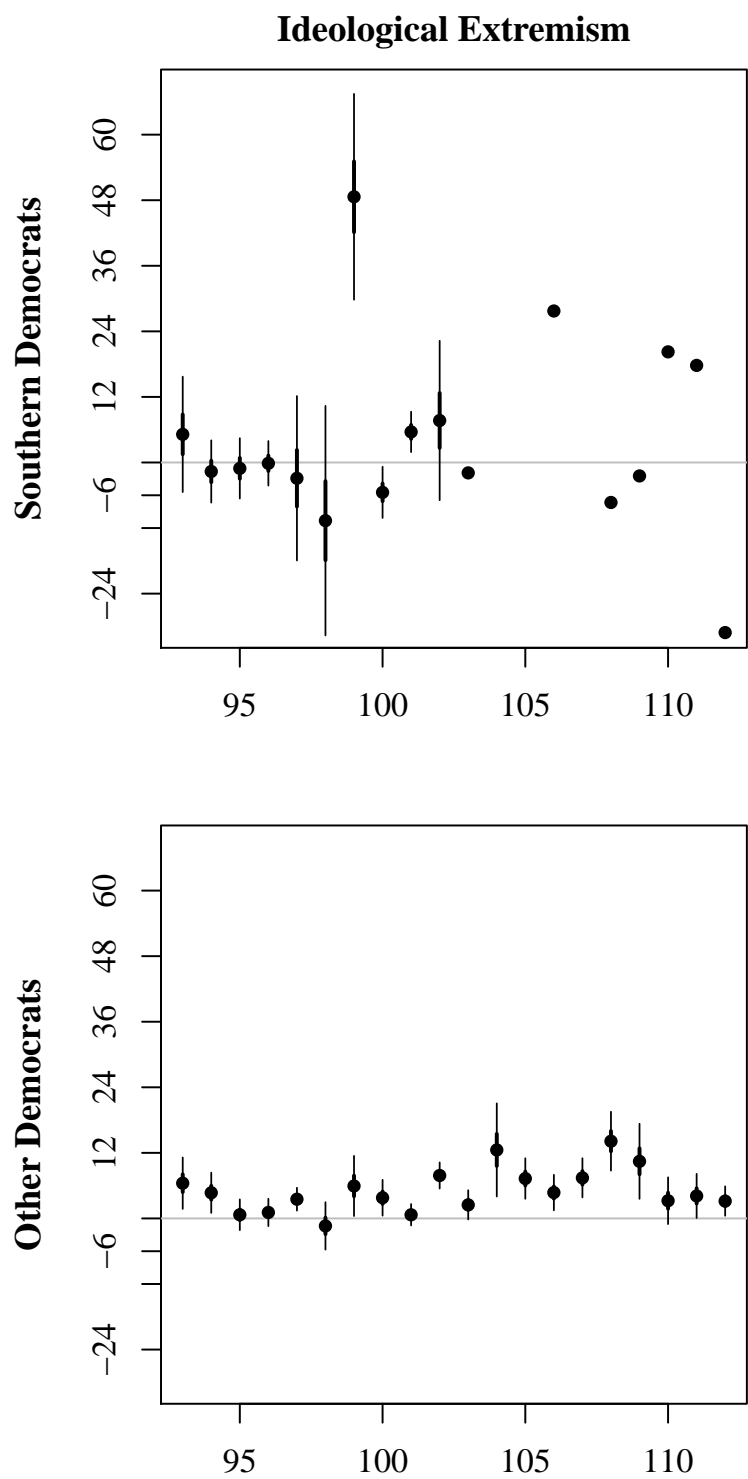


Figure 8: Senate Ideological Extremism Coefficient Plot, Southern and Other Democrats



2.3 Models Without Vote Share Interaction

Table 11: Senate Inter-Party Regression Models, DV: pirate100

	Democrats	Republicans	Majority	Minority
ideological_extremism	6.823*** (0.487)	8.655*** (0.451)	8.004*** (0.386)	10.214*** (0.465)
pres_vote_share	33.909*** (3.010)	-10.484** (3.902)	20.963*** (2.604)	-1.677 (3.869)
south	-3.170*** (0.706)	2.592*** (0.726)	-1.430* (0.561)	0.609 (0.755)
vote_share	-7.562** (2.750)	21.321*** (3.534)	-1.805 (2.734)	10.066** (3.590)
female	3.661*** (0.924)	-0.412 (1.434)	3.612*** (0.992)	6.439*** (1.345)
afam	-2.333 (3.552)	-24.693*** (5.371)	3.110 (5.537)	-10.298** (3.898)
latino	6.315* (2.791)	5.317 (3.520)	6.614** (2.484)	7.472 (4.258)
up_for_reelection	-0.483 (0.542)	-0.894 (0.681)	-0.689 (0.544)	-0.994 (0.732)
seniority	-0.081 (0.066)	-0.054 (0.091)	0.216** (0.079)	0.145 (0.085)
freshman	1.284 (0.902)	1.425 (1.066)	1.441 (0.834)	1.278 (1.253)
retiree	1.399 (1.142)	0.668 (1.260)	0.807 (1.125)	1.698 (1.347)
best_committee	0.367* (0.158)	-0.411* (0.194)	0.010 (0.156)	0.062 (0.211)
leader	3.322*** (0.906)	3.113** (0.976)	2.275** (0.874)	3.336** (1.088)
power_committee	0.202 (0.982)	1.321 (1.168)	1.323 (0.950)	-0.339 (1.290)
chair	1.989** (0.690)	4.842*** (0.885)	-1.149 (0.682)	
(Intercept)	65.124*** (2.420)	74.581*** (3.247)	70.354*** (2.387)	67.835*** (3.396)
R ²	0.495	0.424	0.446	0.431
Adj. R ²	0.487	0.414	0.438	0.421
Num. obs.	1042	951	1052	843
RMSE	7.795	9.192	7.762	9.411

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Table 12: Senate Intra-Party Regression, DV: pirate100

	Democrats		Republicans	
	Southern	Others	Gingrich Senators	Others
ideological_extremism	12.327*** (1.303)	4.642*** (0.471)	1.840** (0.635)	8.372*** (0.528)
pres_vote_share	32.062*** (6.694)	32.871*** (3.090)	6.642 (4.726)	-5.847 (4.593)
latino		6.777** (2.338)	0.509 (2.627)	4.051 (4.844)
vote_share	-7.161 (4.874)	-0.618 (3.374)	1.793 (3.726)	19.594*** (4.266)
female	2.722 (2.607)	4.003*** (0.872)		1.115 (1.501)
up_for_reelection	-1.765 (1.413)	-0.176 (0.516)	-0.077 (0.737)	-1.439 (0.785)
seniority	-0.701*** (0.180)	0.066 (0.065)	-0.473* (0.184)	0.109 (0.101)
freshman	2.647 (2.329)	1.035 (0.866)	-0.733 (1.021)	1.380 (1.296)
retiree	3.421 (2.966)	1.813 (1.105)	2.025 (1.702)	0.744 (1.403)
best_committee	0.793 (0.404)	0.243 (0.154)	-0.083 (0.190)	-0.327 (0.237)
leader	5.668 (3.040)	2.775*** (0.827)	3.039* (1.171)	2.860* (1.117)
power_committee	2.598 (2.770)	-1.180 (0.931)	1.983 (1.173)	0.118 (1.417)
chair	3.745* (1.844)	1.974** (0.657)	0.809 (1.178)	5.506*** (0.985)
afam		-1.649 (2.980)		-22.812*** (5.563)
south			0.262 (0.750)	2.961*** (0.880)
(Intercept)	59.038*** (5.690)	64.692*** (2.481)	87.816*** (3.073)	70.926*** (3.953)
R ²	0.526	0.387	0.132	0.420
Adj. R ²	0.501	0.376	0.067	0.408
Num. obs.	246	796	188	763
RMSE	9.664	6.508	4.323	9.506

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Table 13: Senate Inter-Party Fixed Effects Models, DV: pirate100

	Democrats	Republicans	Majority	Minority
ideological_extremism	4.37*** (0.89)	4.08*** (0.97)	2.89** (0.89)	4.03*** (1.08)
vote_share	3.21 (2.65)	-5.73* (2.88)	2.88 (3.44)	-2.02 (3.53)
pres_vote_share	31.19*** (5.36)	7.90 (6.19)	33.44*** (7.17)	15.00* (6.34)
freshman	0.67 (0.51)	1.14* (0.49)	1.01* (0.48)	0.94 (0.77)
retiree	0.12 (0.91)	0.70 (0.89)	0.18 (1.10)	0.77 (0.96)
best_committee	0.13 (0.14)	0.10 (0.17)	0.34* (0.16)	0.31 (0.18)
up_for_reelection	-0.45 (0.30)	-1.44*** (0.35)	-0.79* (0.32)	-1.02** (0.36)
power_committee	-0.59 (0.82)	-0.01 (1.06)	-1.52 (1.03)	-0.16 (1.03)
leader	1.24* (0.61)	1.60* (0.66)	1.55 (0.85)	1.46 (0.87)
chair	0.58 (0.65)	0.74 (0.76)	-0.67 (0.60)	
Num. obs.	1042	951	1052	843
R ²	0.17	0.13	0.18	0.14
Adj. R ²	0.85	0.87	0.87	0.90

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Table 14: Senate Intra-Party Fixed Effects Models, DV: pirate100

	Democrats		Republicans	
	Southern	Others	Gingrich Senators	Others
ideological_extremism	11.34*** (1.76)	2.92*** (0.87)	1.78 (1.54)	4.31*** (1.17)
vote_share	1.40 (3.37)	5.89 (3.65)	-0.99 (3.95)	-6.61 (3.52)
pres_vote_share	22.41* (11.01)	12.47 (7.05)	2.51 (9.16)	8.91 (6.96)
freshman	0.76 (0.85)	1.04* (0.53)	-0.55 (0.73)	1.89** (0.60)
retiree	-2.92 (2.06)	0.88 (0.69)	1.20 (1.16)	0.60 (1.02)
best_committee	0.48 (0.31)	0.03 (0.13)	0.26 (0.27)	0.04 (0.22)
up_for_reelection	-0.40 (0.71)	-0.36 (0.32)	-0.45 (0.60)	-1.75*** (0.40)
power_committee	-2.19 (2.22)	-0.10 (0.77)	-0.57 (1.10)	0.39 (1.28)
leader	2.73 (2.33)	1.30* (0.54)	1.22 (0.85)	1.64* (0.79)
chair	1.81 (1.50)	0.38 (0.60)	-1.32 (0.76)	0.92 (0.91)
Num. obs.	246	796	188	763
R ²	0.91	0.85	0.65	0.90
Adj. R ²	0.87	0.81	0.49	0.87

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Table 15: Senate Inter-Party Regression Models, DV: pfrate100

	Democrats	Republicans	Majority	Minority
ideological_extremism	4.857*** (0.398)	1.163** (0.373)	4.695*** (0.361)	3.226*** (0.377)
pres_vote_share	13.872*** (2.459)	3.896 (3.235)	3.918 (2.431)	-3.194 (3.131)
south	-1.949*** (0.577)	2.320*** (0.602)	-2.114*** (0.524)	-0.677 (0.611)
vote_share	-3.036 (2.247)	8.640** (2.929)	-0.894 (2.554)	3.513 (2.905)
female	2.597*** (0.755)	-1.164 (1.188)	4.387*** (0.926)	3.109** (1.089)
afam	-1.540 (2.902)	-18.748*** (4.451)	2.249 (5.170)	-6.806* (3.155)
latino	5.929** (2.280)	-2.624 (2.917)	2.611 (2.320)	1.737 (3.445)
up_for_reelection	0.195 (0.443)	0.732 (0.564)	0.374 (0.508)	0.300 (0.592)
seniority	-0.161** (0.054)	-0.040 (0.076)	0.197** (0.074)	0.039 (0.068)
freshman	0.679 (0.737)	1.439 (0.883)	1.197 (0.779)	0.402 (1.014)
retiree	-0.264 (0.933)	-2.188* (1.045)	-1.436 (1.050)	-1.249 (1.090)
best_committee	0.171 (0.129)	-0.565*** (0.161)	-0.023 (0.146)	-0.444** (0.171)
leader	1.455* (0.740)	2.971*** (0.809)	1.189 (0.816)	1.988* (0.881)
power_committee	1.392 (0.802)	2.220* (0.968)	1.959* (0.887)	1.607 (1.044)
chair	1.499** (0.563)	1.640* (0.734)	-1.612* (0.637)	
(Intercept)	73.355*** (1.977)	76.051*** (2.691)	76.913*** (2.229)	81.225*** (2.748)
R ²	0.353	0.123	0.233	0.124
Adj. R ²	0.344	0.109	0.222	0.109
Num. obs.	1042	951	1052	843
RMSE	6.368	7.619	7.249	7.616

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Table 16: Senate Intra-Party Regression, DV: pfrate100

	Democrats		Republicans	
	Southern	Others	Gingrich Senators	Others
ideological_extremism	9.181*** (1.000)	3.176*** (0.407)	-4.803*** (0.902)	2.234*** (0.426)
pres_vote_share	6.294 (5.140)	15.590*** (2.673)	24.864*** (6.709)	-0.677 (3.705)
latino		6.314** (2.022)	-9.826** (3.729)	0.765 (3.908)
vote_share	-5.155 (3.743)	4.284 (2.919)	-2.390 (5.290)	12.163*** (3.442)
female	2.948 (2.002)	2.408** (0.755)		-0.975 (1.211)
up_for_reelection	-0.255 (1.085)	0.263 (0.446)	1.593 (1.046)	0.419 (0.633)
seniority	-0.478*** (0.138)	-0.110 (0.056)	-0.857** (0.261)	-0.036 (0.082)
freshman	0.717 (1.789)	0.529 (0.750)	-2.195 (1.450)	1.500 (1.045)
retiree	2.079 (2.277)	-0.193 (0.956)	-3.221 (2.415)	-2.011 (1.132)
best_committee	0.257 (0.310)	0.175 (0.133)	-0.674* (0.270)	-0.449* (0.191)
leader	-0.102 (2.334)	1.551* (0.715)	4.697** (1.662)	2.292* (0.901)
power_committee	2.205 (2.127)	0.284 (0.806)	3.719* (1.665)	1.646 (1.143)
chair	0.766 (1.416)	2.197*** (0.569)	-1.974 (1.672)	2.197** (0.795)
afam		-1.005 (2.578)		-18.074*** (4.488)
south			0.992 (1.064)	2.359*** (0.710)
(Intercept)	76.810*** (4.369)	69.742*** (2.147)	82.148*** (4.362)	75.029*** (3.189)
R ²	0.455	0.223	0.313	0.161
Adj. R ²	0.427	0.209	0.261	0.144
Num. obs.	246	796	188	763
RMSE	7.421	5.630	6.137	7.669

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Table 17: Senate Inter-Party Fixed Effects Models, DV: pfrate100

	Democrats	Republicans	Majority	Minority
ideological_extremism	4.01*** (1.19)	0.34 (1.51)	2.95* (1.21)	0.54 (1.42)
vote_share	1.86 (3.39)	-1.25 (3.73)	1.64 (4.55)	0.21 (3.86)
pres_vote_share	10.07 (5.76)	-3.02 (7.31)	7.55 (5.84)	6.13 (7.52)
freshman	-0.10 (0.50)	0.64 (0.63)	0.66 (0.53)	0.92 (0.95)
retiree	-0.33 (0.76)	-0.75 (0.99)	-0.50 (1.08)	0.12 (1.13)
best_committee	-0.04 (0.13)	-0.03 (0.21)	0.14 (0.17)	-0.32 (0.21)
up_for_reelection	0.26 (0.33)	0.45 (0.32)	0.63 (0.34)	0.13 (0.42)
power_committee	-0.29 (0.94)	0.83 (1.12)	-0.72 (1.13)	1.63 (1.02)
leader	1.01 (0.97)	0.57 (0.55)	0.44 (0.89)	0.88 (1.04)
chair	0.53 (0.61)	0.37 (0.85)	-0.29 (0.73)	
Num. obs.	1042	951	1052	843
R ²	0.82	0.74	0.83	0.81
Adj. R ²	0.77	0.68	0.76	0.73

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Table 18: Senate Intra-Party Fixed Effects Models, DV: pfrate100

	Democrats		Republicans	
	Southern	Others	Gingrich Senators	Others
ideological_extremism	10.52*** (1.76)	2.33* (1.17)	-2.90 (2.54)	1.11 (1.81)
vote_share	1.59 (2.58)	1.93 (3.50)	-2.20 (6.76)	0.65 (3.57)
pres_vote_share	14.66 (9.87)	-0.70 (7.53)	20.94 (18.26)	-7.71 (7.22)
freshman	-0.17 (0.96)	-0.06 (0.53)	-1.27 (1.36)	1.31 (0.67)
retiree	-0.81 (1.37)	0.03 (0.77)	-1.87 (3.27)	-0.62 (1.03)
best_committee	-0.05 (0.17)	-0.02 (0.13)	-0.21 (0.48)	-0.06 (0.24)
up_for_reelection	0.38 (0.49)	0.24 (0.40)	1.74* (0.67)	0.24 (0.35)
power_committee	-1.56 (0.82)	0.01 (0.74)	2.35 (2.95)	0.98 (1.08)
leader	0.06 (1.87)	1.37 (0.94)	1.80 (1.10)	0.47 (0.58)
chair	0.91 (1.24)	0.23 (0.48)	-1.41 (4.21)	0.62 (0.79)
Num. obs.	246	796	188	763
R ²	0.92	0.75	0.68	0.78
Adj. R ²	0.89	0.69	0.53	0.72

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

2.4 DV/IV and IV/IV Plots With Confidence Bands

Figure 9: Senate IV/IV Plot, Democrats

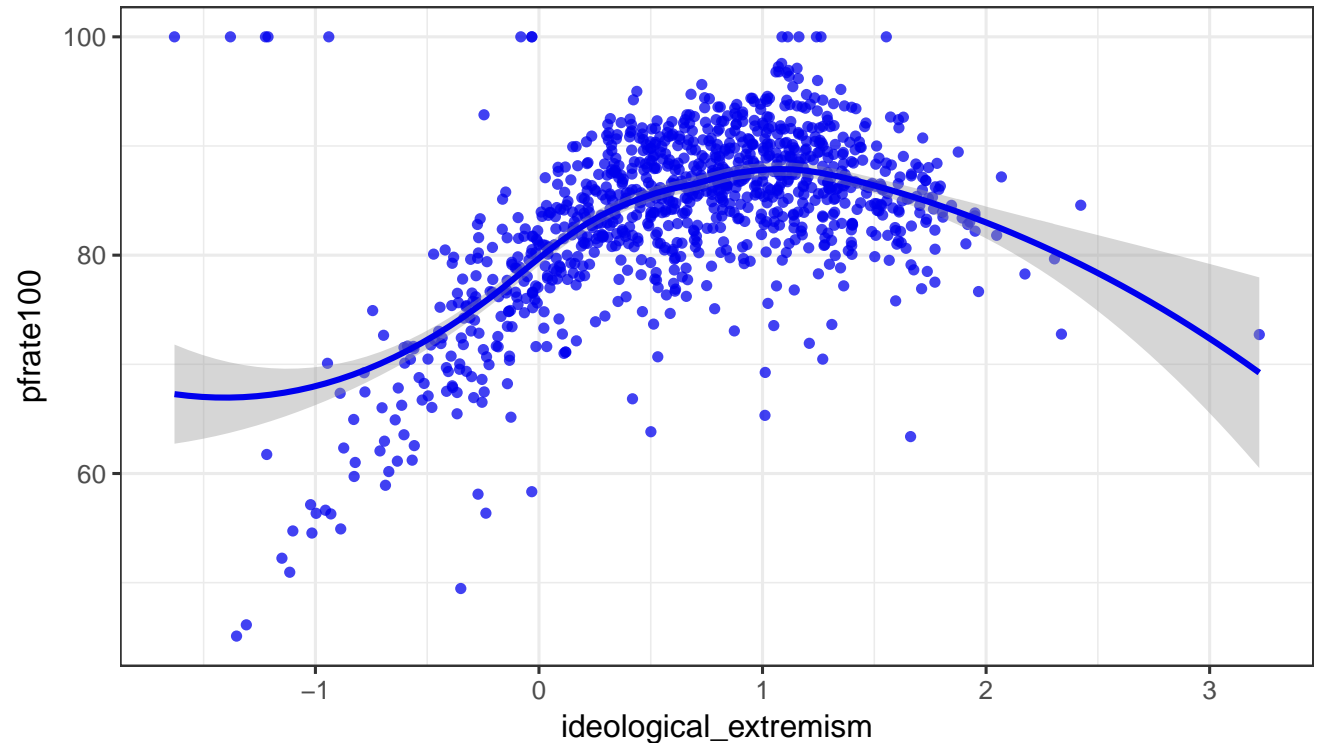


Figure 10: Senate DV/IV Plot, Democrats

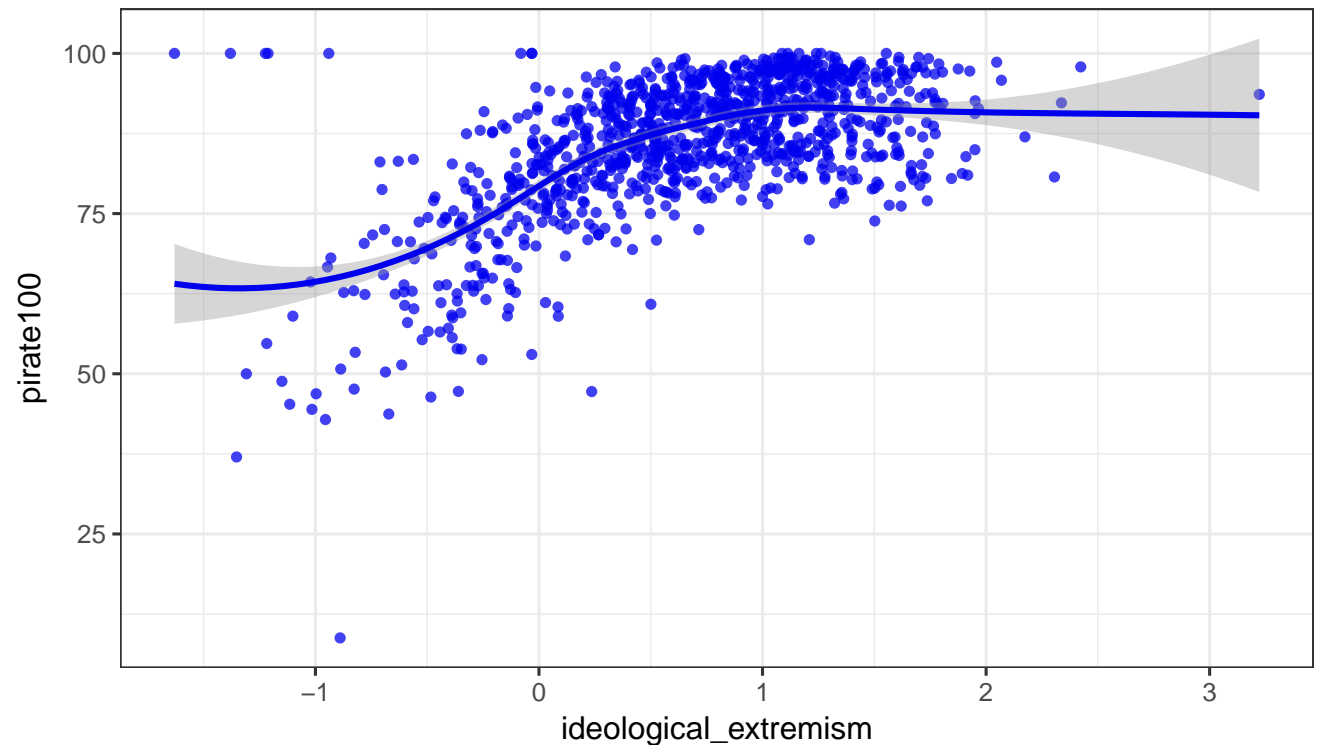


Figure 11: Senate IV/IV Plot, Democrats, Majority Status

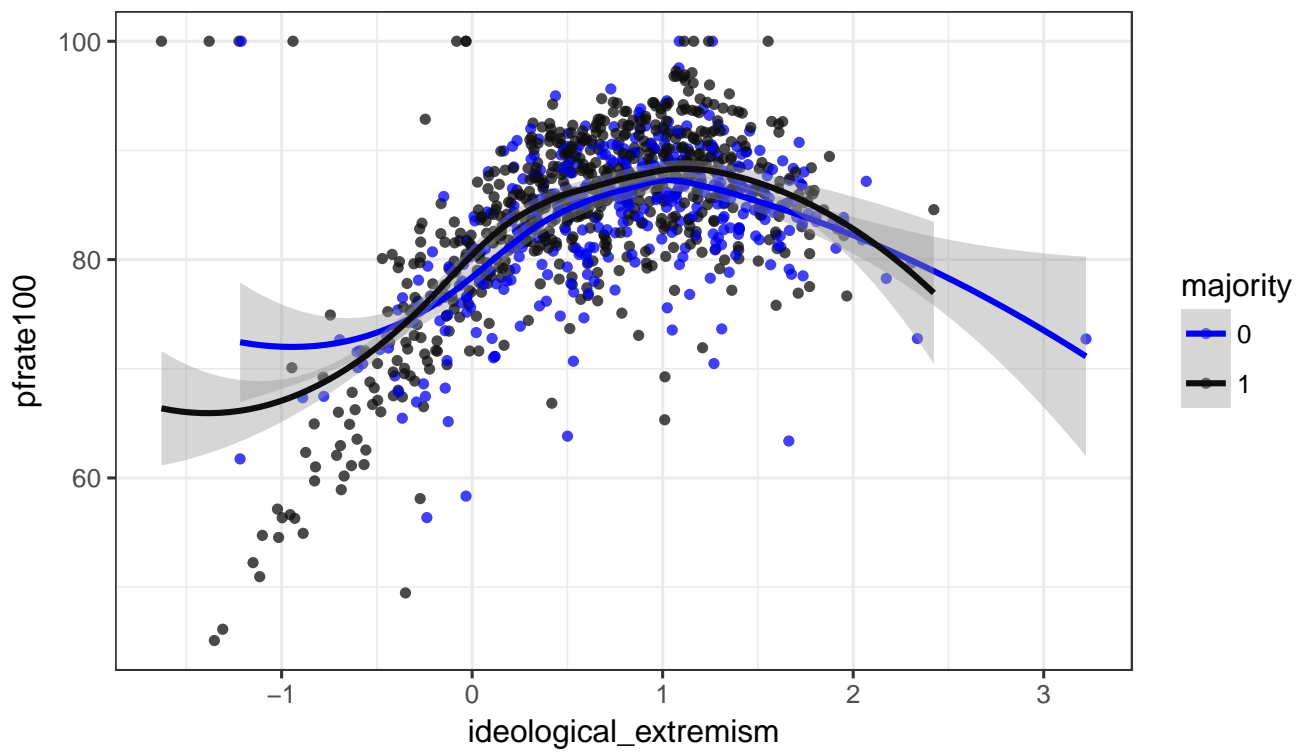


Figure 12: Senate DV/IV Plot, Democrats, Majority Status

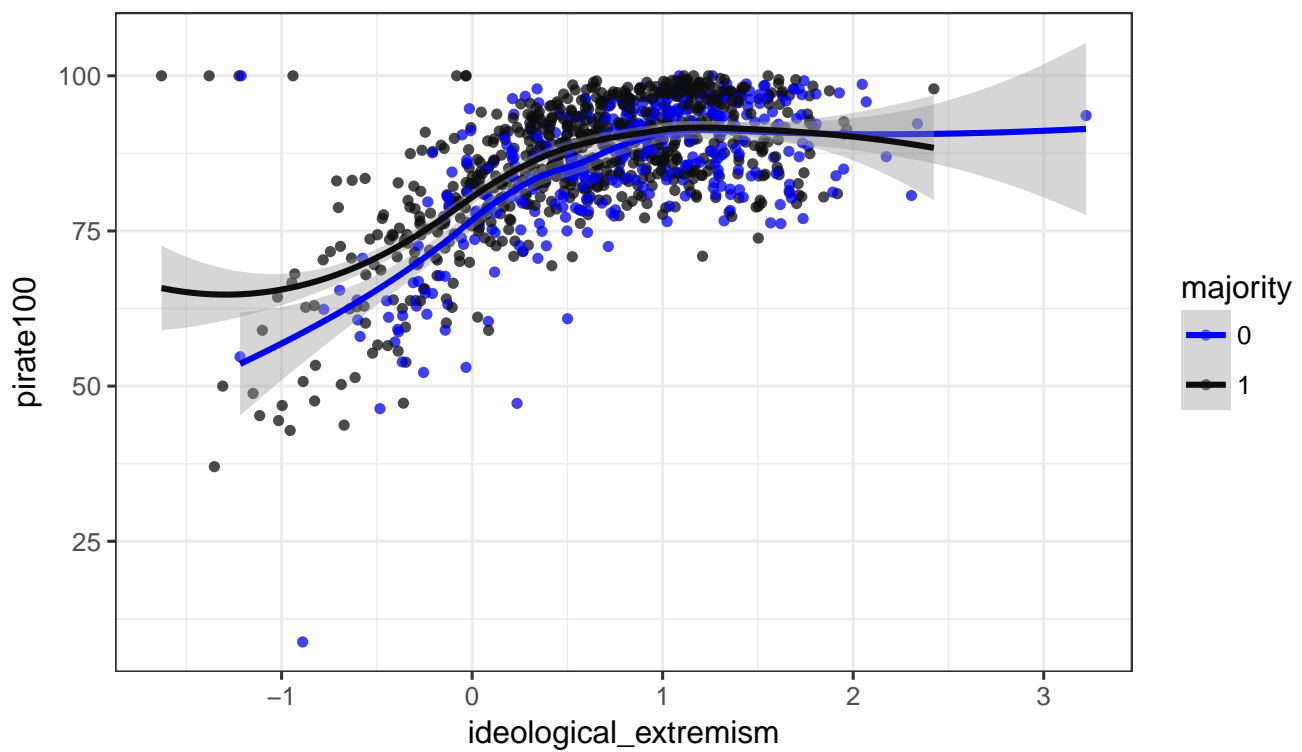


Figure 13: Senate IV/IV Plot, Democrats, South/Other

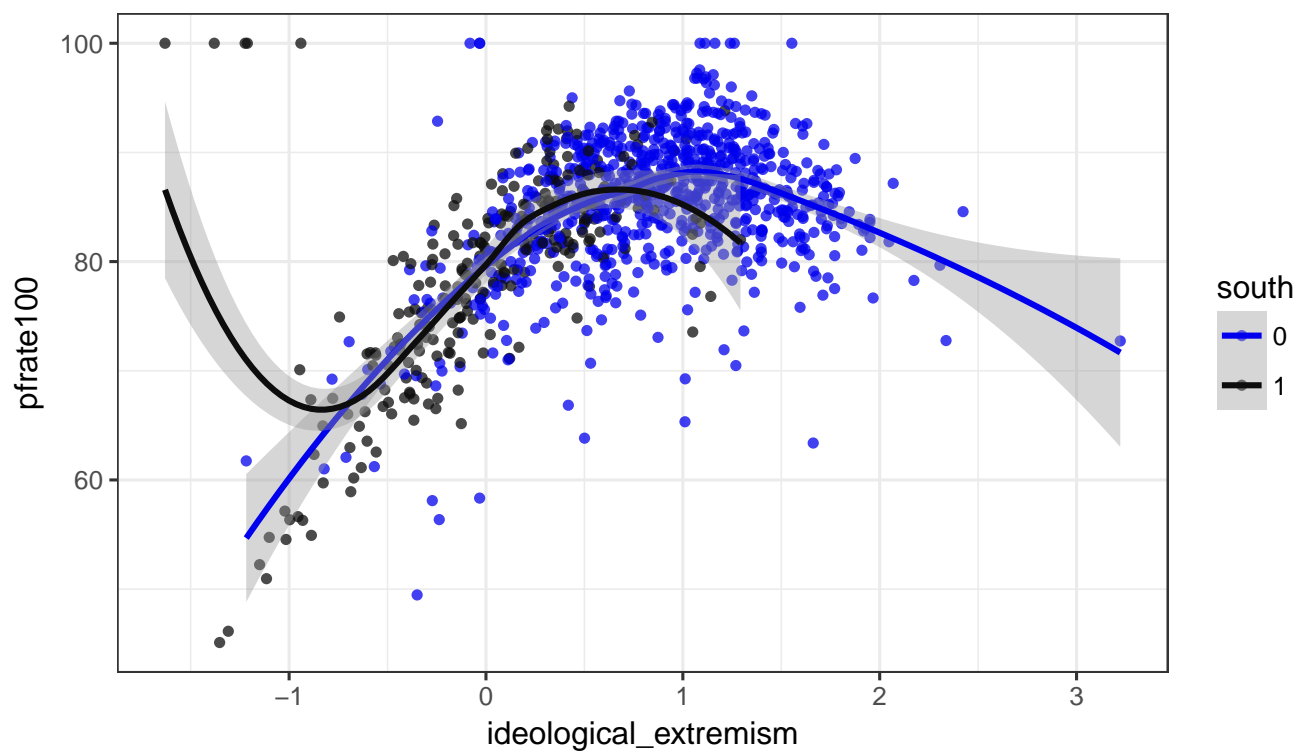


Figure 14: Senate DV/IV Plot, Democrats, South/Other

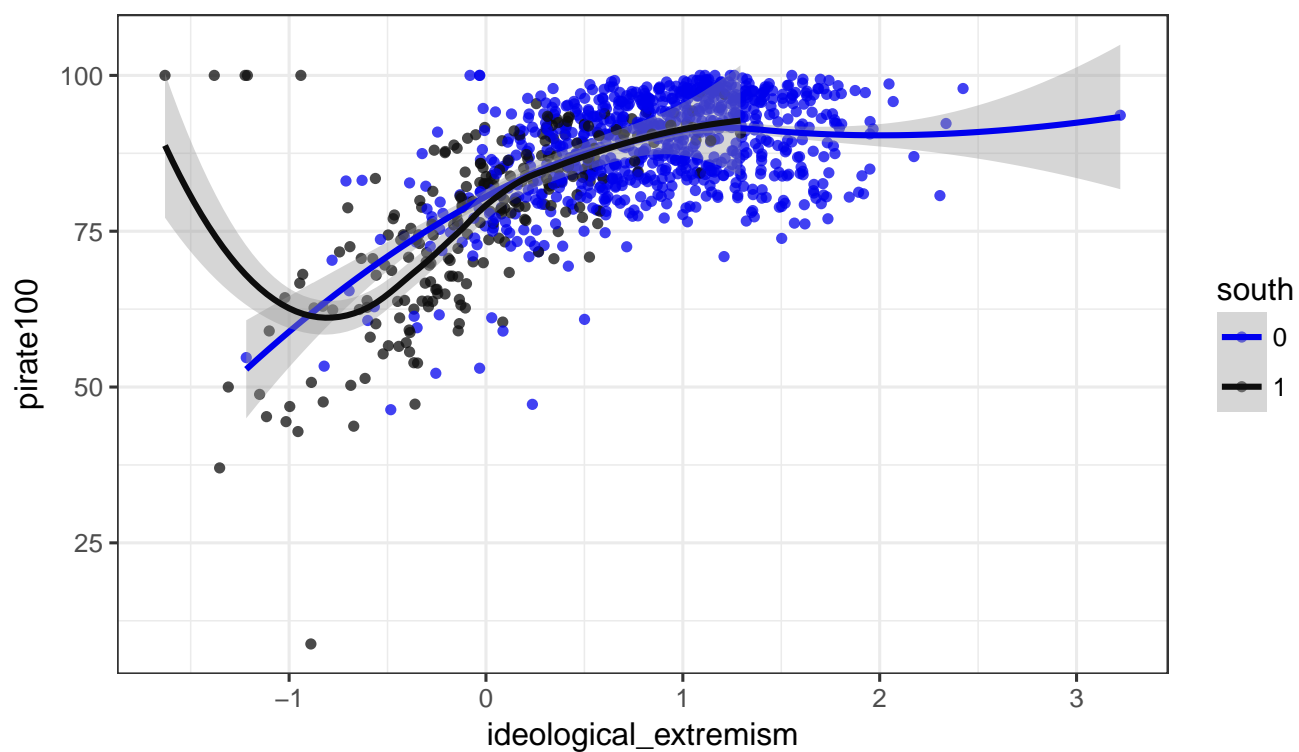


Figure 15: Senate IV/IV Plot, Republicans

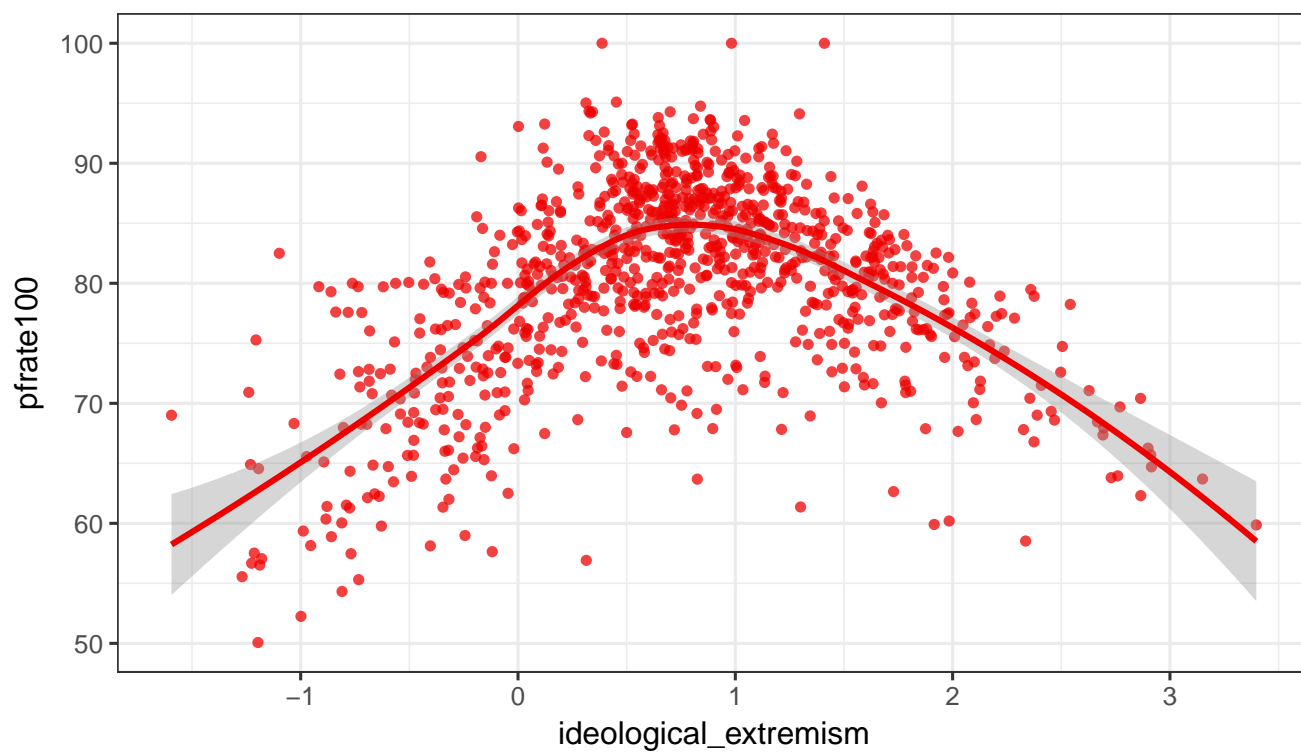


Figure 16: Senate DV/IV Plot, Republicans

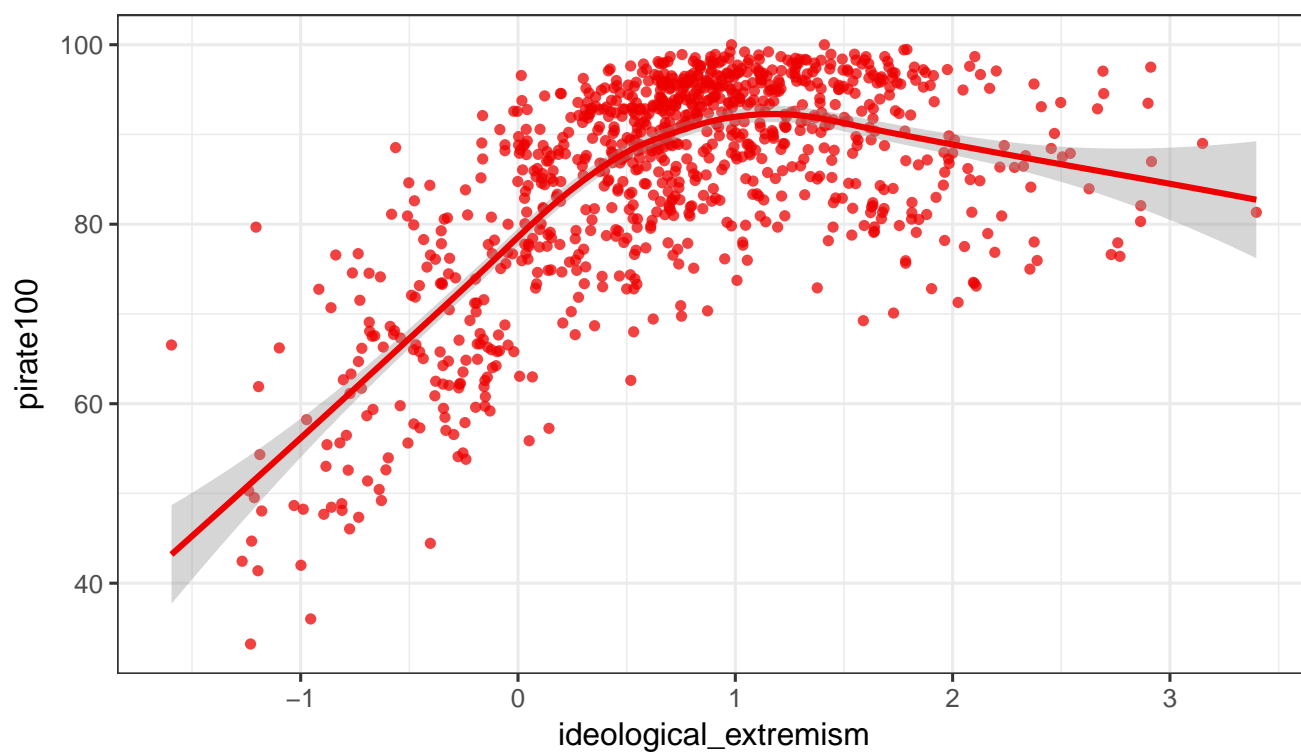


Figure 17: Senate IV/IV Plot, Republicans, Majority Status

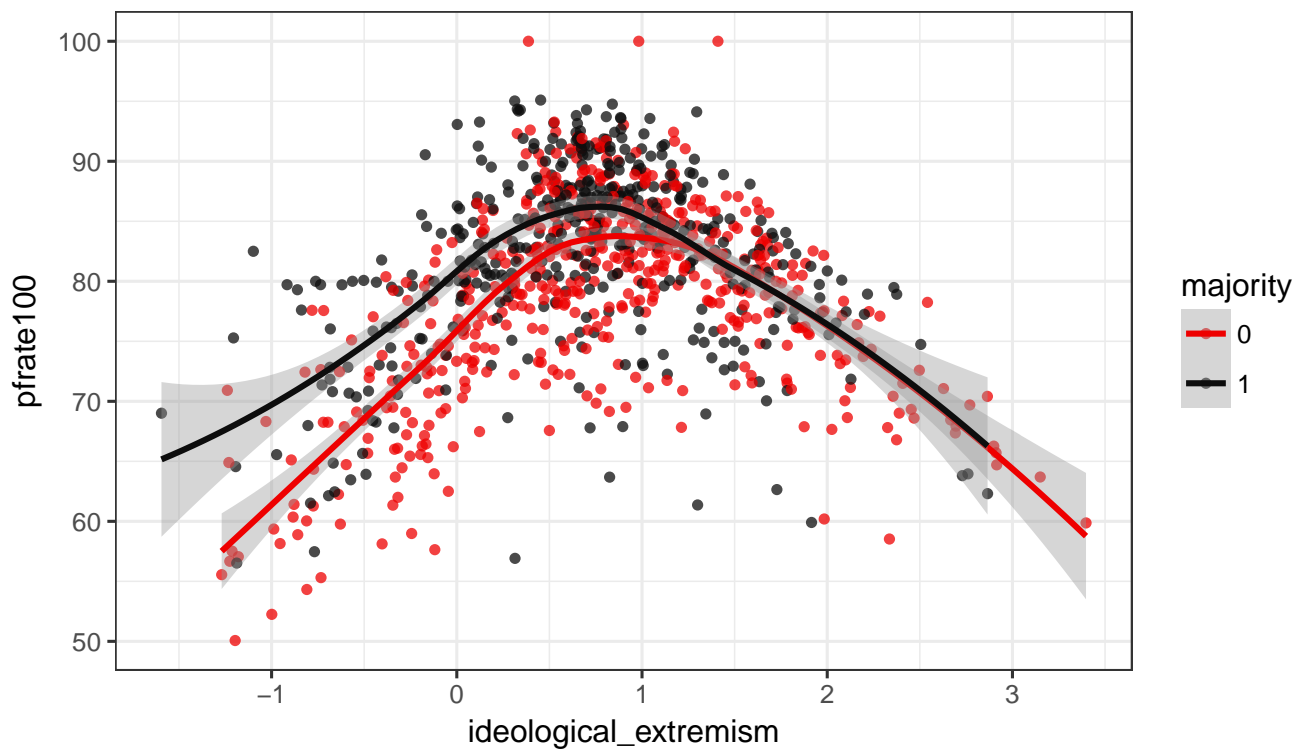


Figure 18: Senate DV/IV Plot, Republicans, Majority Status

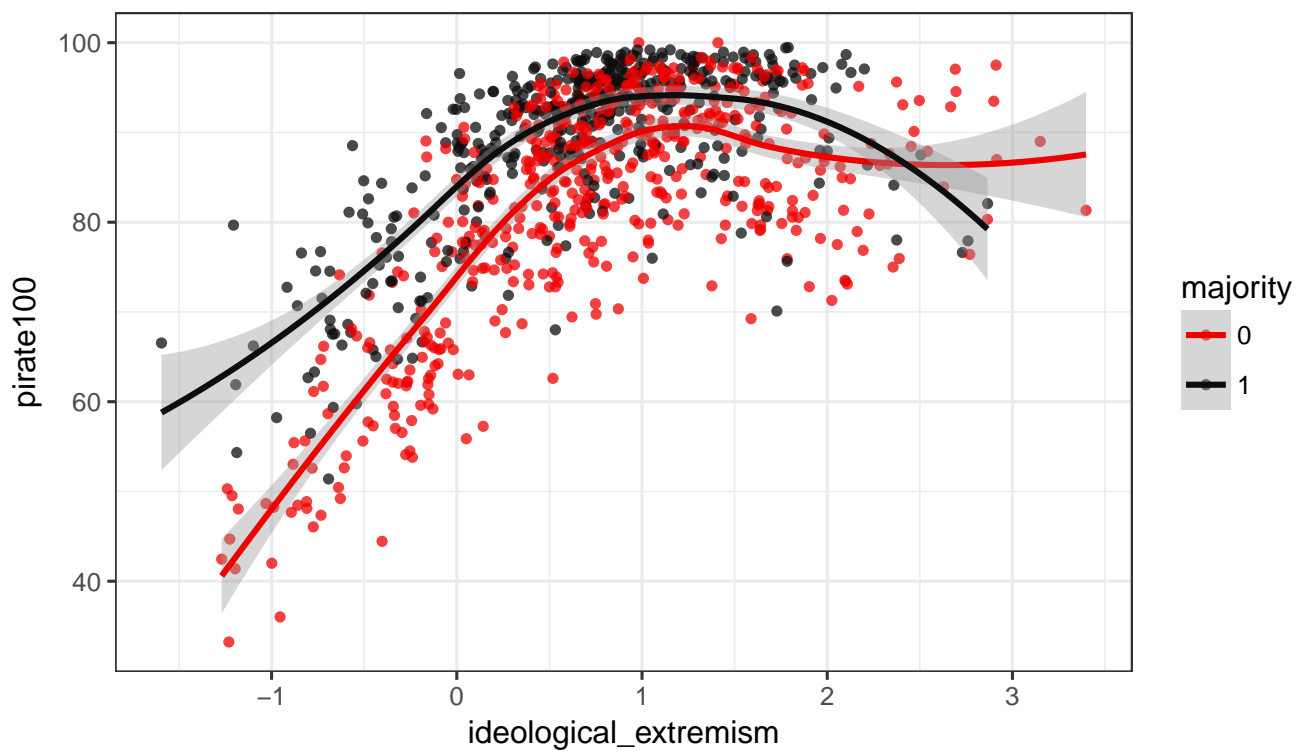


Figure 19: Senate IV/IV Plot, Republicans, Gingrich/Other

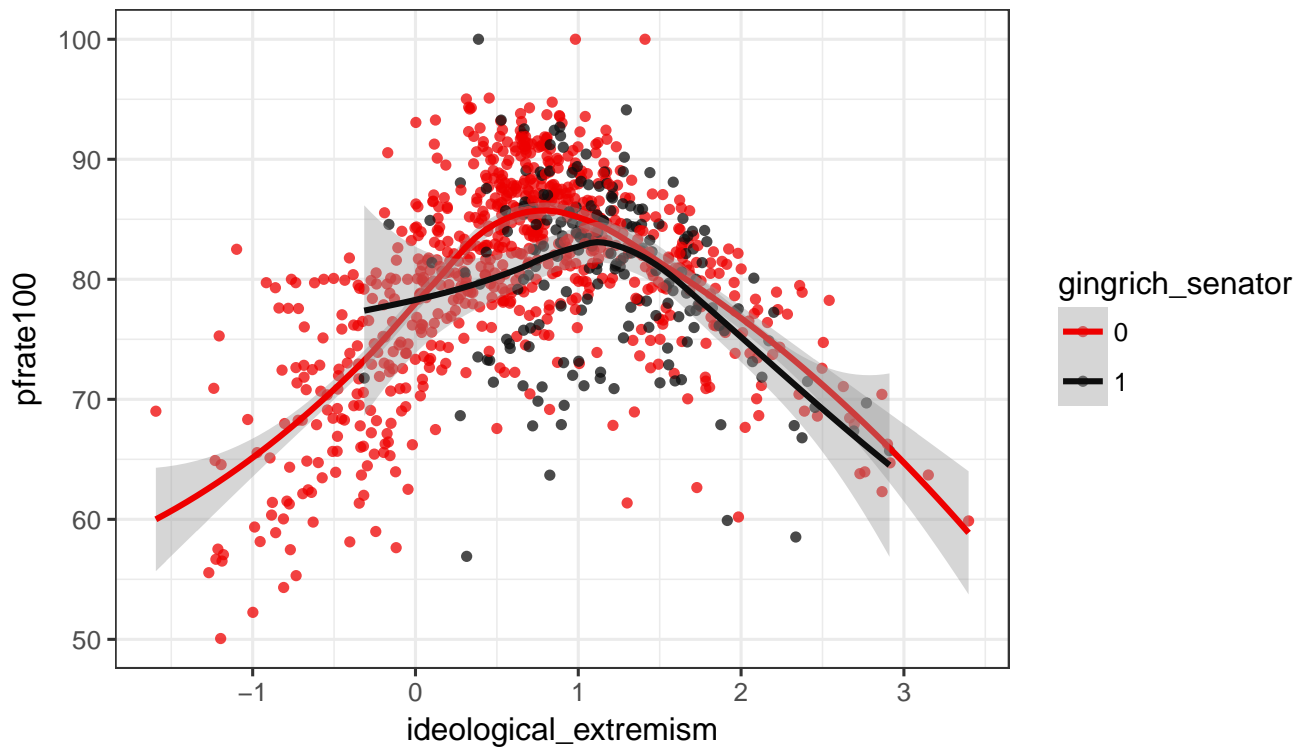


Figure 20: Senate DV/IV Plot, Republicans, Gingrich/Other

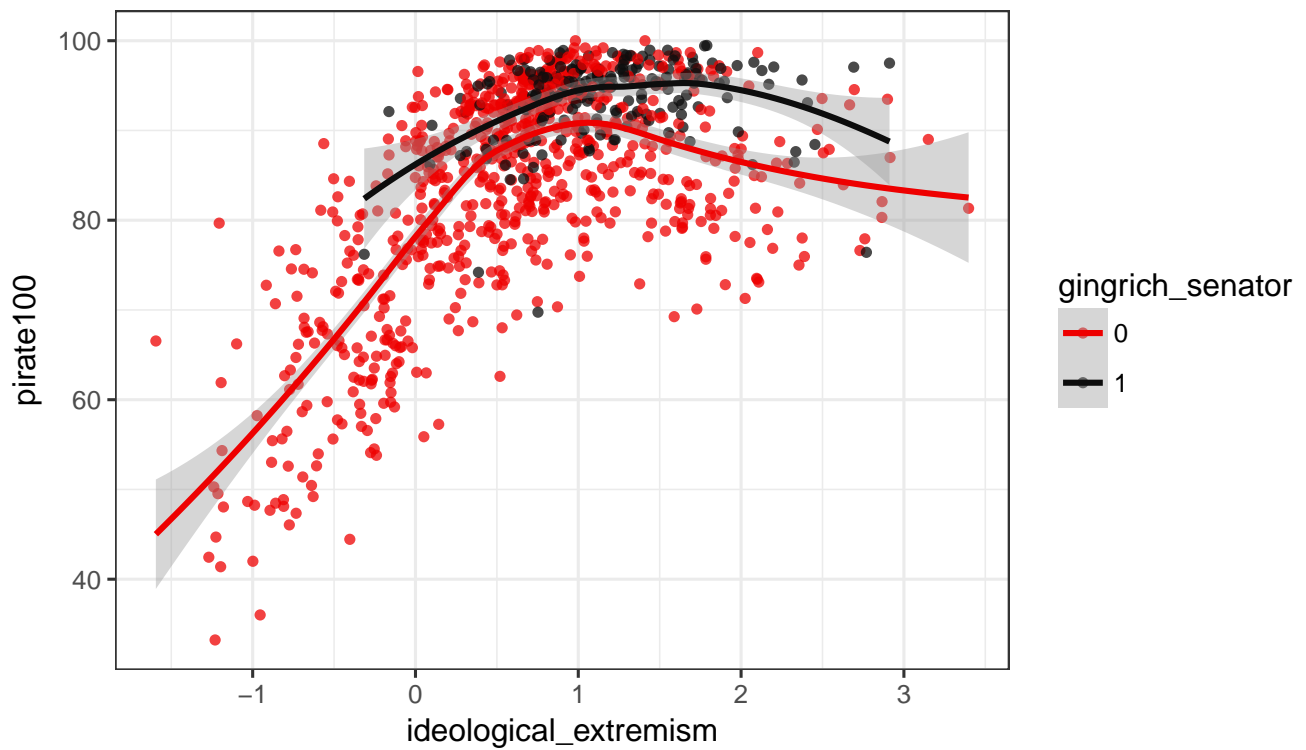


Figure 21: House IV/IV Plot, Democrats

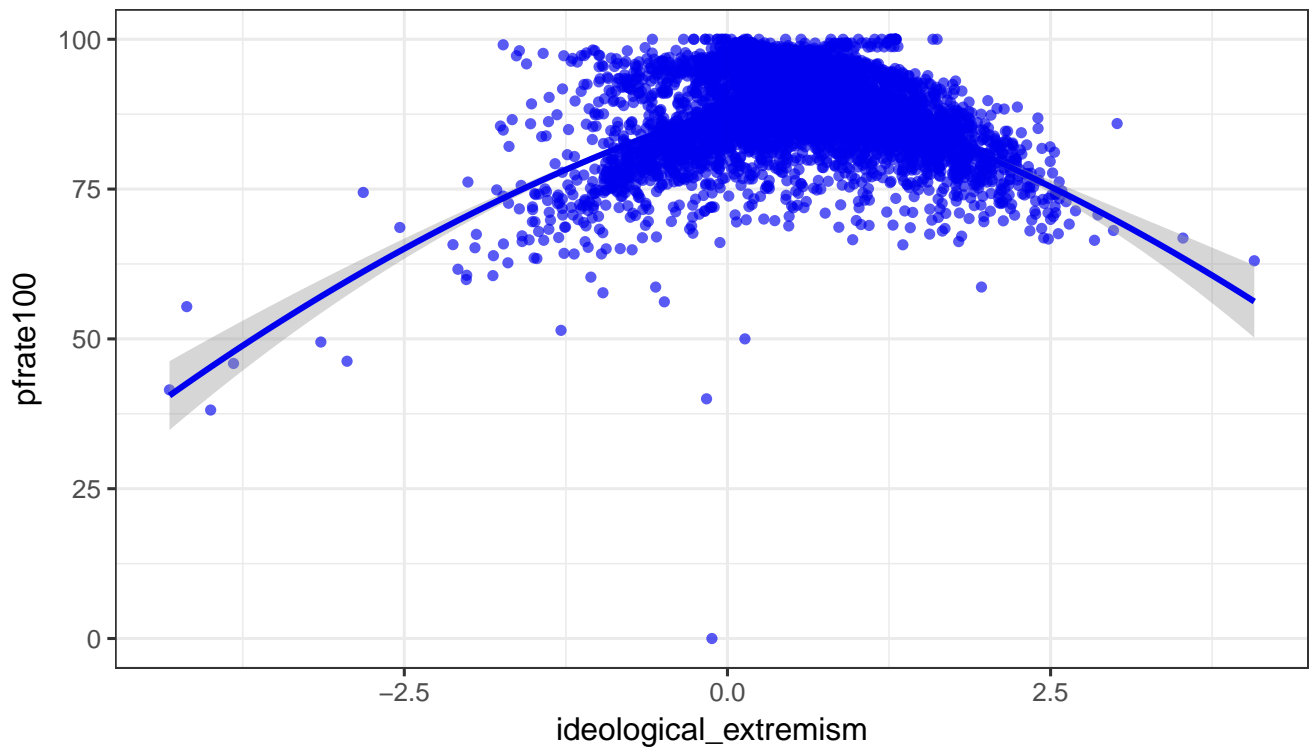


Figure 22: House DV/IV Plot, Democrats

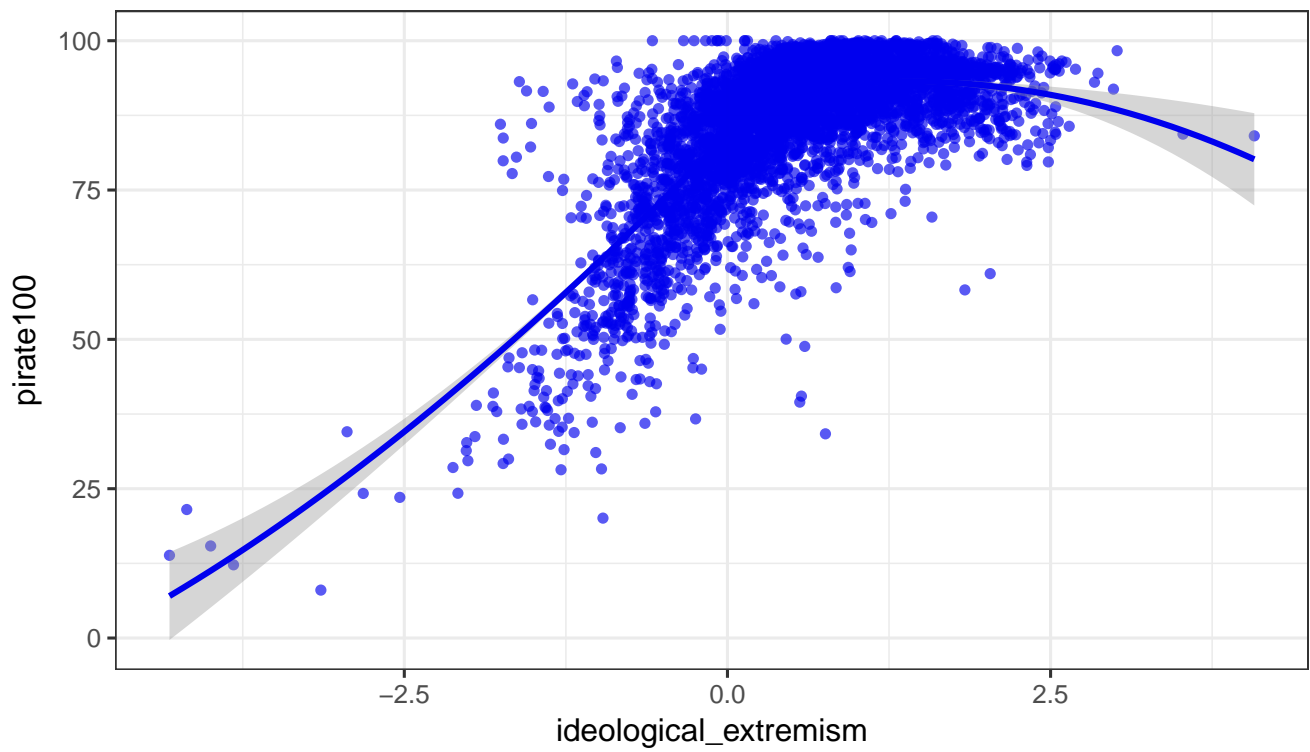


Figure 23: House IV/IV Plot, Democrats, Majority Status

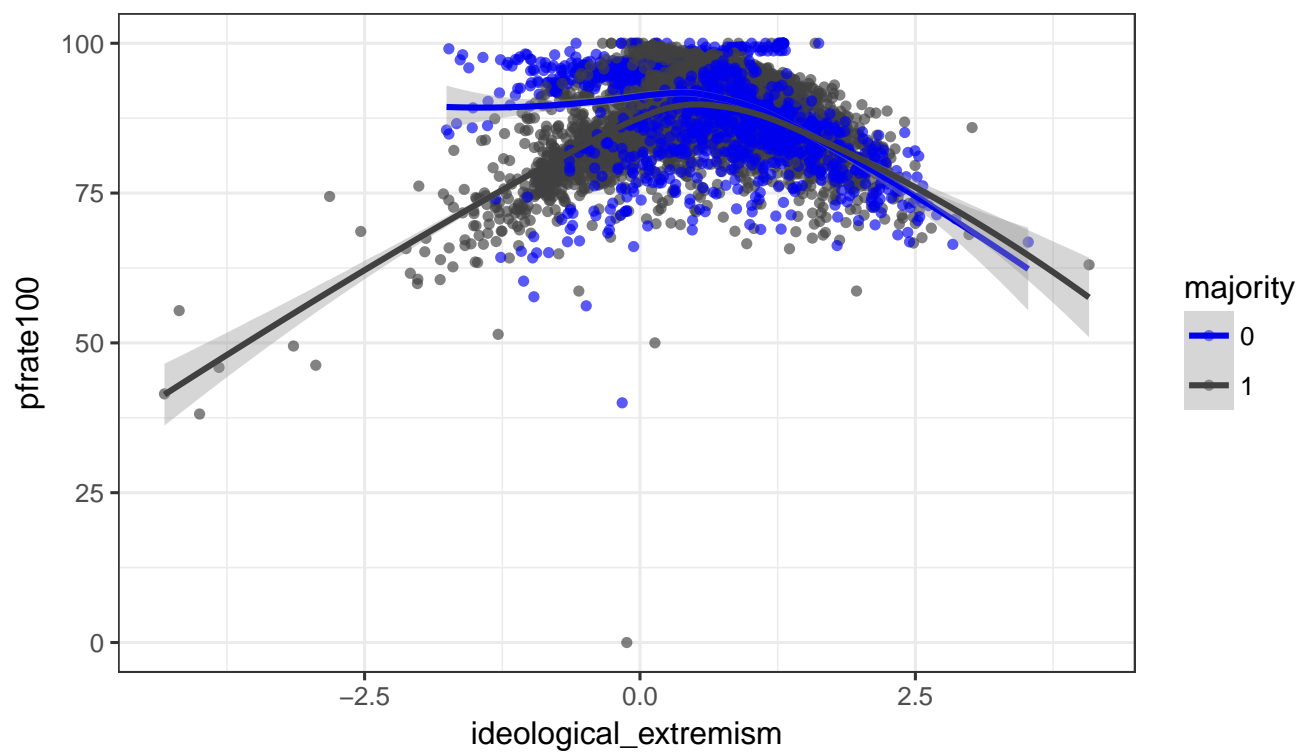


Figure 24: House DV/IV Plot, Democrats, Majority Status

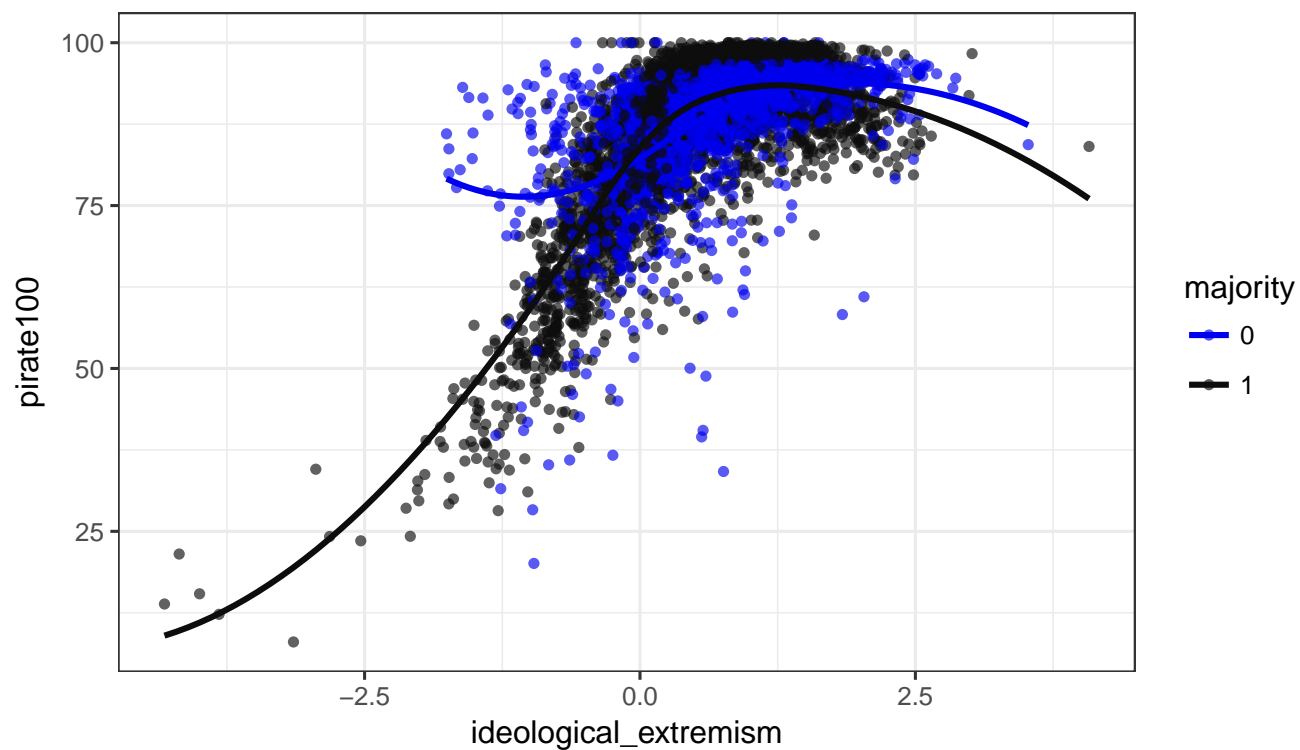


Figure 25: House IV/IV Plot, Democrats, South/Other

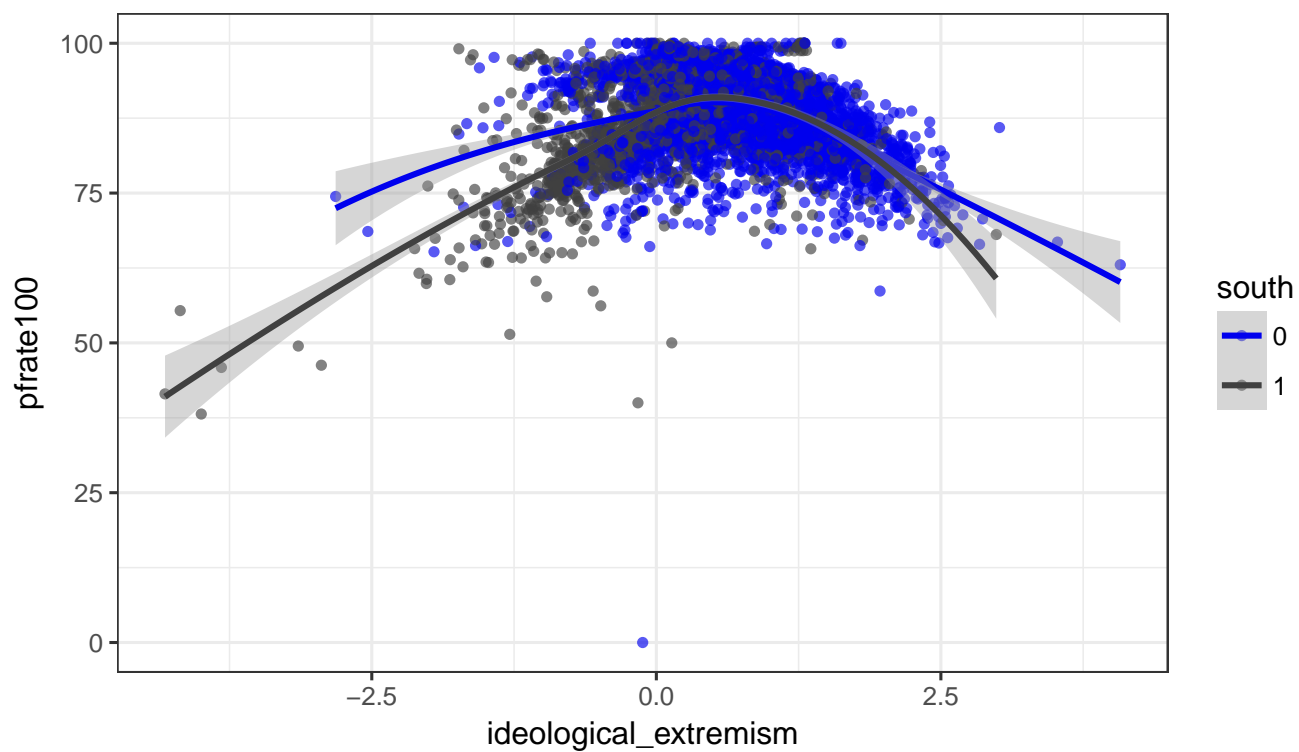


Figure 26: House DV/IV Plot, Democrats, South/Other

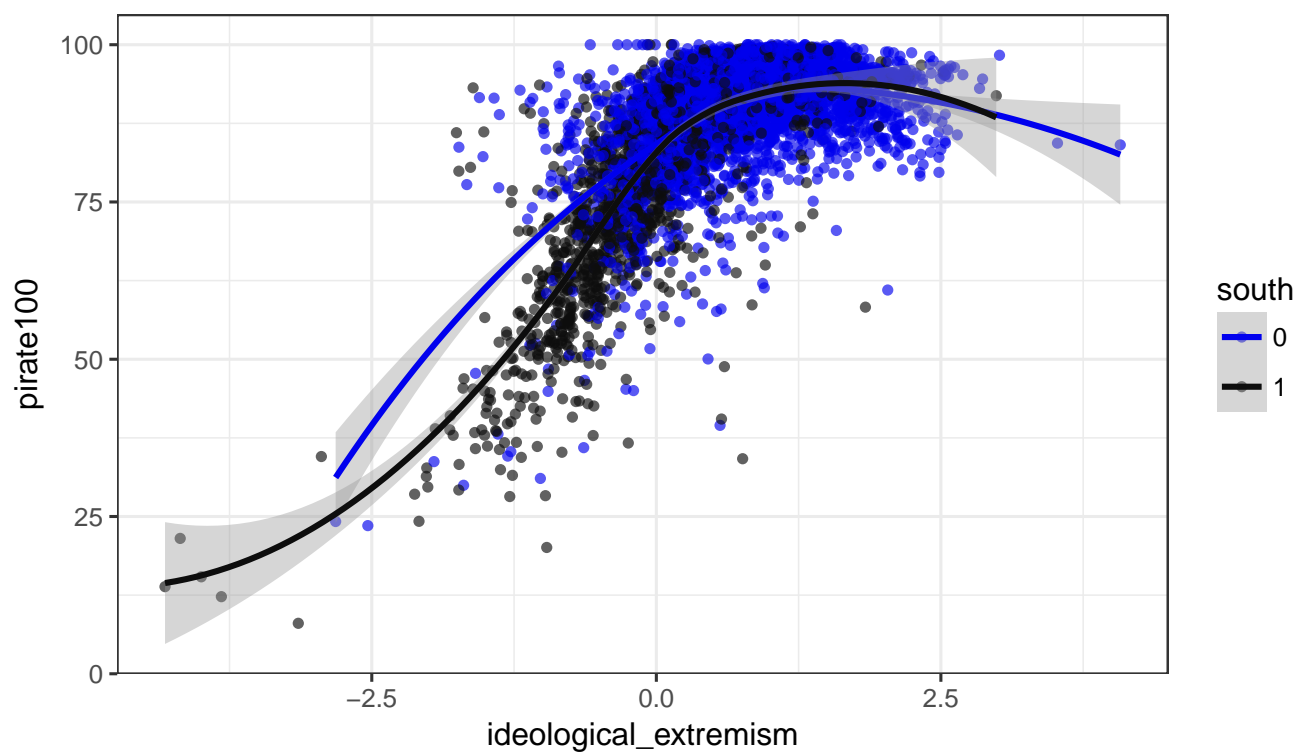


Figure 27: House IV/IV Plot, Republicans

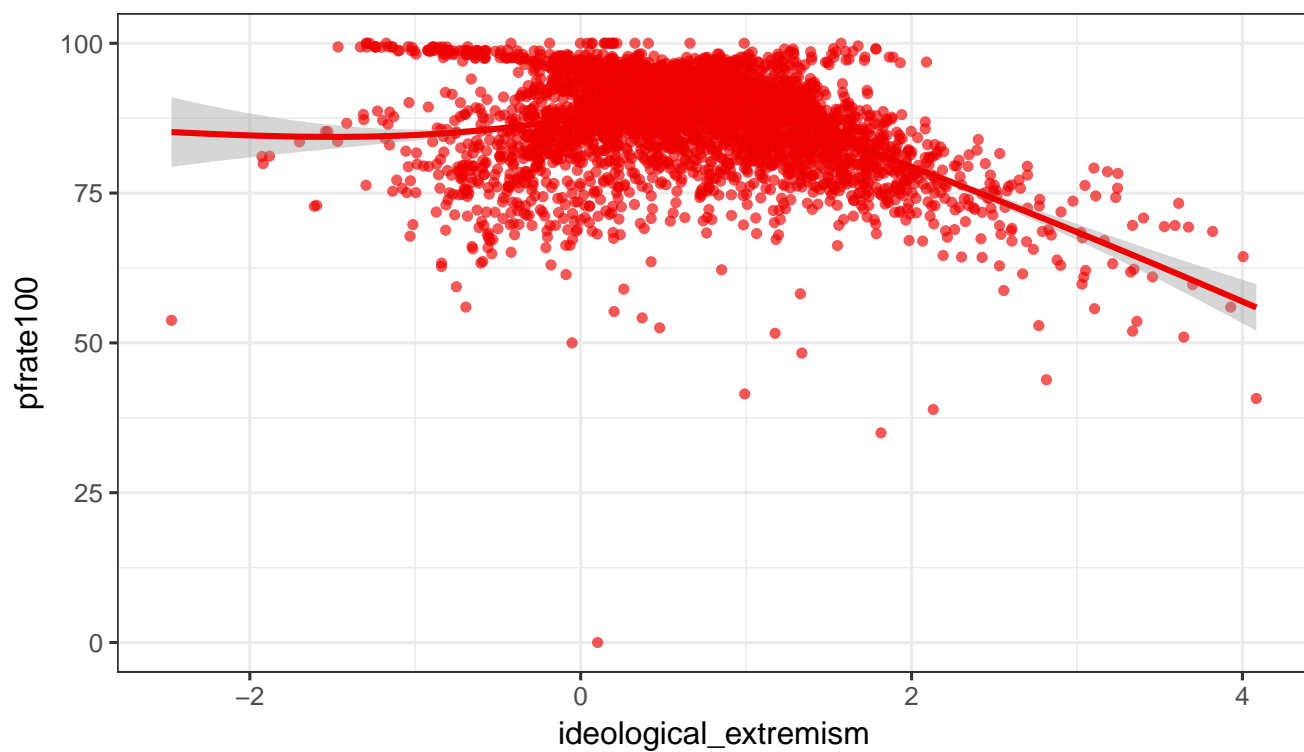


Figure 28: House DV/IV Plot, Republicans

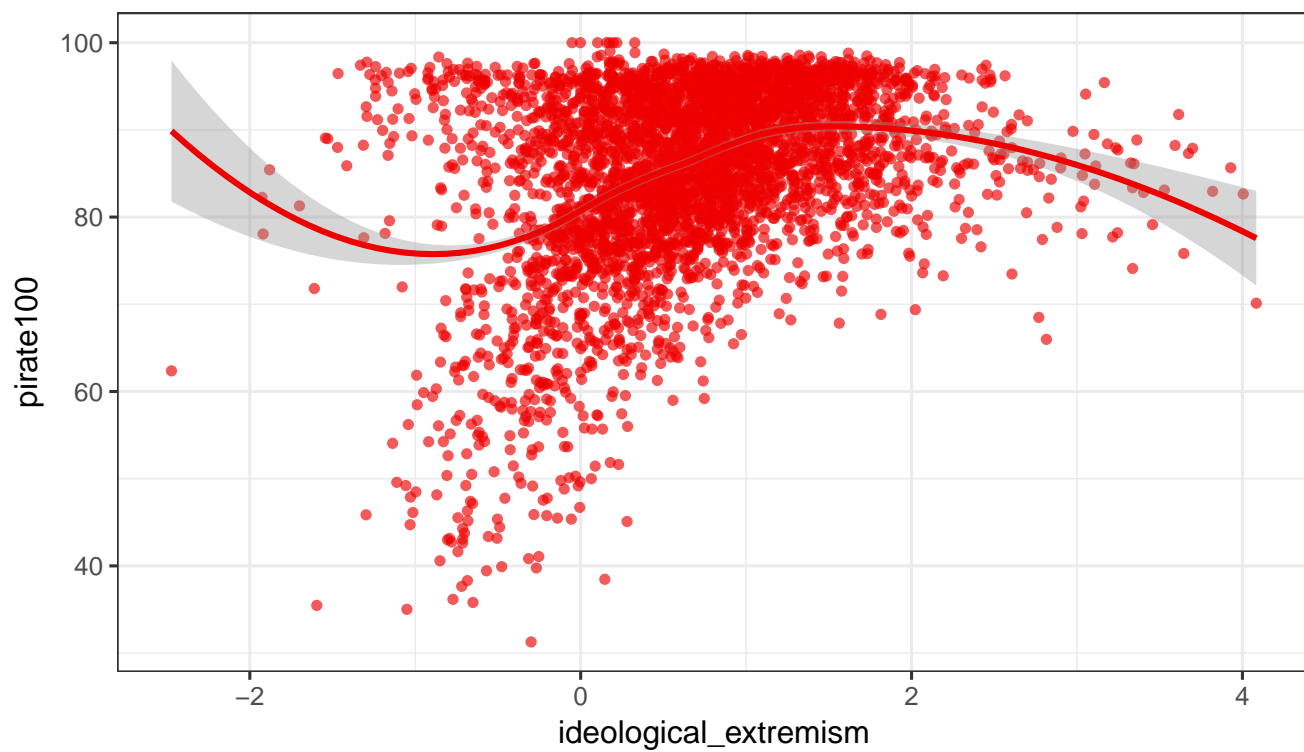


Figure 29: House IV/IV Plot, Republicans, Majority Status

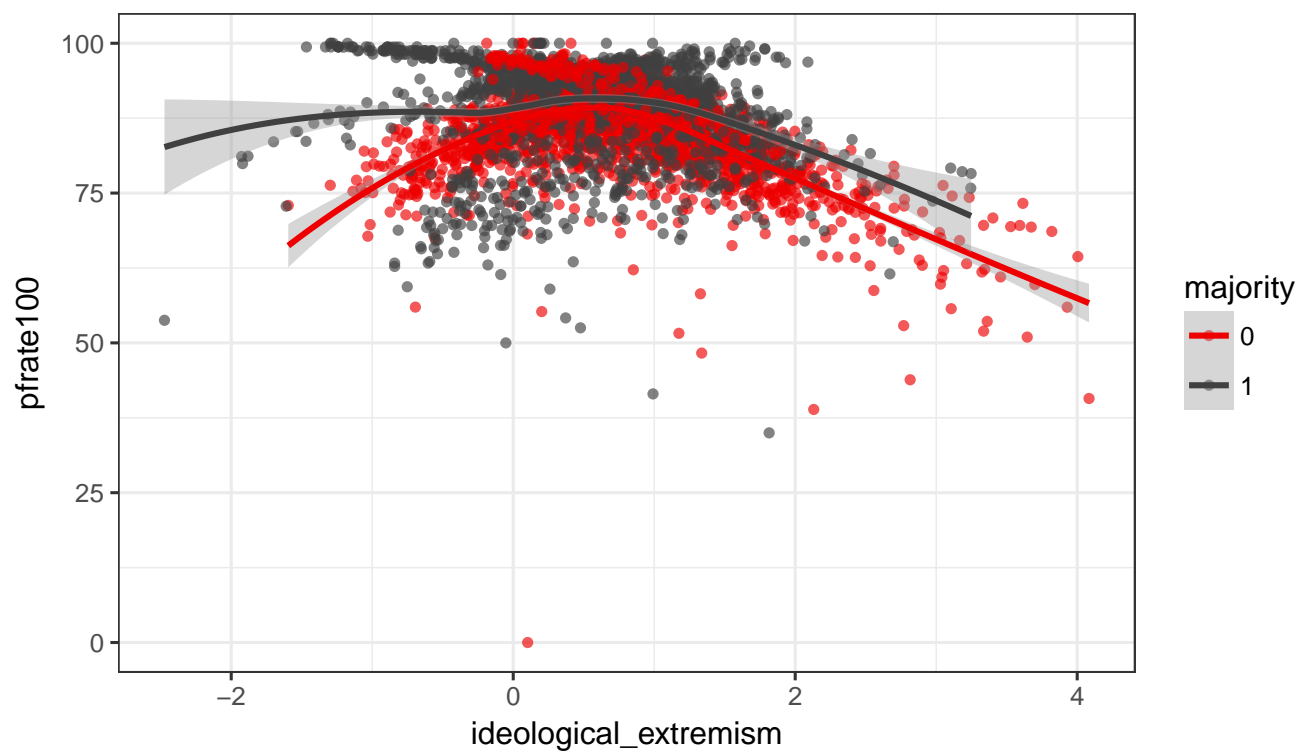


Figure 30: House DV/IV Plot, Republicans, Majority Status

