A1. Code

The Data, Code, Analysis and Plots used to construct this paper can be found on my github profile: https://github.com/minnaheim/contribution_vote_data. This paper was written using typst, based on the template from the Technical University of Munich: https://github.com/ls1intum/thesis-template-typst.

A2. Additional Models

Descriptive statistics

Statistic	N	Mean	St. Dev.	Min	Max
District	1,984	9.191	9.803	0	53
Vote Change	2,314	0.062	0.342	0	4
Birthyear	2,314	1,958.587	11.147	1,929	1,989
1st dimension DW Nominate	2,314	0.439	0.137	0.110	0.848
2nd dimension DW Nominate	2,314	0.215	0.167	0.000	0.957
Vote Number	2,314	21.617	22.326	3	52
Vote Dummy	2,217	0.504	0.500	0	1
Seniority	2,314	5.546	4.205	1	18
Pro Env Contributions Amount	2,314	19.800	29.876	0.000	380.725
Anti Env Contributions Amount	2,314	0.991	2.877	0.000	60.550
Democratic Majority in House	2,314	0.321	0.467	0	1
Pro-Env Contribution Dummy	2,314	0.914	0.280	0	1
Anti-Env Contribution Dummy	2,314	0.307	0.461	0	1

Figure 1: the descriptive statistics of the main dataset used for the analysis[1]

[1]the variable Instance refers to the Votes. The Instances are 3, 4, 51, 52, 6 and 7, where 3 stands for the vote in the 113th congress, 51 stands for the first vote in the 115th congress, 52 for the second vote in the 115th congress, etc. The district variable refers to the district which the legislators represented. Sadly not all representatives had the district information.

	Dependent variable:	
	Vote	Vote
	panel	*conditional*
	linear	*logistic*
	(1)	(2)
Anti-Env Contributions Amount	-0.001***	-0.021***
	(0.0001)	(0.008)
Pro-Env Contributions Amount	0.007***	0.103***
	(0.001)	(0.034)
Pro-Env Contribution Dummy	-0.007	-0.049
	(0.009)	(0.407)
Anti-Env Contribution Dummy	-0.021	-0.595
	(0.013)	(0.589)
Vote Number		0.013*
		(0.008)
District	0.001**	0.010
	(0.0004)	(0.017)
Birthyear	0.001*	0.039**
	(0.0004)	(0.017)
1st dimension DW Nominate	-0.141***	-2.708*
	(0.029)	(1.398)
2nd dimension DW Nominate	-0.070***	-3.002***
	(0.021)	(1.024)
GeographicalNE	0.073***	2.432***
	(0.011)	(0.547)
GeographicalSO	0.009	0.116
	(0.009)	(0.484)
GeographicalWE	0.019*	0.667
	(0.011)	(0.568)
Seniority	0.002	0.070
	(0.001)	(0.045)
GenderM	-0.025***	-1.141**
	(0.009)	(0.469)
Observations	1,901	1,901
R^2	0.081	0.061
Adjusted R^2	0.072	
Max. Possible R^2		0.205
Log Likelihood		-157.637
F Statistic	12.778*** (df = 13; 1881)	
Wald Test		93.070*** (df = 14)
LR Test		119.769*** (df = 14)
Score (Logrank) Test		158.630*** (df = 14)
Note:		*p<0.1; **p<0.05; ***p<0.01

Figure 2: Column 1: OLS Party, column 2: Conditional Logit Party

	Dependent variable:					
	Vote in 113th Congress	Vote in 114th Congress	1st Vote in 115th congress	2nd Vote in 115ths congress	Vote 116th congress	Vote 117th congress
	(1)	(2)	(3)	(4)	(5)	(6)
Anti-Env Contributions for Vote 3	0.0004	0.001	0.001	-0.0004	-0.002***	-0.002***
	(0.0003)	(0.0005)	(0.001)	(0.001)	(0.001)	(0.001)
Pro-Env Contributions for Vote 3	0.001	-0.003	-0.008	-0.001	-0.005	-0.001
	(0.004)	(0.004)	(0.006)	(0.007)	(0.005)	(0.005)
Anti-Env Contributions for Vote 4		0.0001	-0.0004	0.00003	-0.0001	-0.003***
		(0.0004)	(0.001)	(0.001)	(0.001)	(0.001)
Pro-Env Contributions for Vote 4		0.0004	-0.010*	0.004	0.007*	-0.020***
		(0.005)	(0.005)	(0.006)	(0.004)	(0.004)
Anti-Env Contributions for Vote 51			0.001	0.006***	0.005***	0.006***
			(0.001)	(0.002)	(0.001)	(0.001)
Pro-Env Contributions for Vote 51			0.002	0.009	0.001	-0.0003
			(0.005)	(0.006)	(0.006)	(0.006)
Anti-Env Contributions for Vote 52				-0.004**	-0.003**	-0.002*
				(0.002)	(0.001)	(0.001)
Pro-Env Contributions for Vote 52				-0.014***	-0.003	0.0003
				(0.003)	(0.005)	(0.005)
Anti-Env Contributions for Vote 6					0.0003	0.002***
					(0.001)	(0.001)
Pro-Env Contributions for Vote 6					-0.002	-0.014*
					(0.011)	(0.008)
Anti-Env Contributions for Vote 7						-0.001
						(0.001)
Pro-Env Contributions for Vote 7						0.017*
						(0.009)
PartyR	0.951***	0.924***	0.936***	0.905***	0.979***	0.955***
	(0.019)	(0.024)	(0.028)	(0.033)	(0.022)	(0.023)
1st dimension DW Nominate	-0.183***	-0.079	-0.079	-0.061	-0.011	0.035
	(0.061)	(0.077)	(0.091)	(0.110)	(0.075)	(0.079)
2nd dimension DW Nominate	0.208***	0.178***	0.110*	0.064	0.026	0.081
	(0.046)	(0.057)	(0.065)	(0.078)	(0.056)	(0.055)
GenderM	0.032*	0.036	0.007	0.017	0.024	0.004
	(0.018)	(0.022)	(0.025)	(0.030)	(0.020)	(0.019)
Pro-Env Contribution Dummy	-0.017	-0.007	0.017	0.012	0.010	-0.018
	(0.019)	(0.025)	(0.026)	(0.030)	(0.036)	(0.033)
Anti-Env Contribution Dummy	0.031	0.025	0.052	-0.036	0.007	0.009
	(0.032)	(0.036)	(0.036)	(0.047)	(0.030)	(0.027)
Observations	339	332	281	268	224	179
R^2	0.940	0.910	0.917	0.891	0.968	0.976
Adjusted R^2	0.912	0.866	0.869	0.824	0.943	0.954
F Statistic	451.407*** (df = 8; 231)	224.254*** (df = 10; 221)	163.850*** (df = 12; 178)	96.517*** (df = 14; 165)	235.046*** (df = 16; 126)	211.775*** (df = 18; 93)
Note:						*p<0.1; **p<0.05; ***p<0.01

Figure 3: the LPM models of each vote, with all relevant contributions leading up to the vote.

	Dependent variable:	
	Vote	
	OLS	*logistic*
	(1)	(2)
Log. Anti-Env Contributions Amount	-0.015***	-0.532***
	(0.004)	(0.185)
Log. Pro-Env Contributions Amount	0.027***	0.839**
	(0.009)	(0.334)
Anti-Env Contribution Dummy	0.003	0.190
	(0.016)	(0.747)
Pro-Env Contribution Dummy	-0.015	-0.319
	(0.012)	(0.569)
District	0.001**	0.007
	(0.0004)	(0.017)
PartyR	-0.898***	-8.385***
	(0.009)	(0.530)
Birthyear	0.001*	0.022
	(0.0004)	(0.018)
GenderM	-0.023**	-1.138**
	(0.009)	(0.494)
1st dimension DW Nominate	-0.141***	-3.339**
	(0.029)	(1.454)
2nd dimension DW Nominate	-0.072***	-3.150***
	(0.021)	(1.112)
GeographicalNE	0.071***	2.460***
	(0.011)	(0.553)
GeographicalSO	0.006	0.127
	(0.009)	(0.477)
GeographicalWE	0.018	0.804
	(0.011)	(0.561)
Vote Number	0.001***	0.029***
	(0.0002)	(0.009)
Seniority	0.001	0.039
	(0.001)	(0.047)
Democratic Majority in House	0.023***	1.569***
	(0.009)	(0.476)
Constant	-0.434	-36.504
	(0.785)	(34.885)
Observations	1,901	1,901
R^2	0.908	
Adjusted R^2	0.907	
Log Likelihood		-157.266
Akaike Inf. Crit.		348.533
Residual Std. Error	0.152 (df = 1884)	
F Statistic	1,162.325*** (df = 16; 1884)	
Note:		*p<0.1; **p<0.05; ***p<0.01

Figure 4: the logistically transformed LPM models

A3. Declaration of Aids

Type of Aid	Use of Aid

Github Copilot	Used for coding repeatitive things in R
DeepL Write	Applied over entire thesis to improve spelling and wording
ChatGPT	Applied over entire thesis to improve wording
Quillbot	Applied over entire thesis to paraphrase text from sources

A4. Declaration of Authorship

I hereby declare,

- that I have written this thesis independently
- that I have written the thesis using only the aids specified in the index;
- that all parts of the thesis produced with the help of aids have been precisely declared;
- that I have mentioned all sources used and cited them correctly according to established academic citation rules;
- that I have acquired all immaterial rights to any materials I may have used, such as images or graphics, or that these materials were created by me;
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21.05.2024

Minna Emilia Hagen Heim