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

S: .:		3.6	G. D	3.61	
Statistic	N	Mean	St. Dev.	Mın	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 analysis¹

¹the 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.

		Depende	ent variable:	
	Vote	Vote		Vote
	panel	conditional		panel
	linear	logistic	(2)	linear
	(1)	(2)	(3)	(4)
Anti-Env Contributions Amoun	0.001	-0.021***	-0.001***	-0.0001
	(0.0001)	(800.0)	(0.0001)	(0.0001)
Pro-Env Contributions Amount	0.007***	0.103***	0.007***	0.001
	(0.001)	(0.034)	(0.001)	(0.001)
Pro-Env Contribution Dummy	-0.007	-0.049	-0.007	0.004
	(0.009)	(0.407)	(0.009)	(0.005)
Anti-Env Contribution Dummy	-0.021	-0.595	-0.021	-0.011
	(0.013)	(0.589)	(0.013)	(0.008)
Vote Number		0.013*		
		(0.008)		
District	0.001**	0.010	0.001**	0.001***
	(0.0004)	(0.017)	(0.0004)	(0.0002)
Birthyear	0.001*	0.039**	0.001*	-0.0002
Biruiyeai	(0.0004)	(0.017)	(0.0004)	
Carll DWA				(0.0002)
1st dimension DW Nominate	-0.141***	-2.708*	-0.141***	-0.076***
	(0.029)	(1.398)	(0.029)	(0.017)
2nd dimension DW Nominate	-0.070***	-3.002***	-0.070***	-0.037***
	(0.021)	(1.024)	(0.021)	(0.013)
GeographicalNE	0.073***	2.432***	0.073***	0.039***
	(0.011)	(0.547)	(0.011)	(0.007)
GeographicalSO	0.009	0.116	0.009	0.013**
	(0.009)	(0.484)	(0.009)	(0.005)
GeographicalWE	0.019*	0.667	0.019*	0.006
	(0.011)	(0.568)	(0.011)	(0.006)
Seniority	0.002	0.070	0.002	-0.002***
semorny	(0.001)	(0.045)	(0.001)	(0.001)
CondonM				0.001
GenderM	-0.025*** (0.009)	-1.141**	-0.025***	
		(0.469)	(0.009)	(0.005)
Observations	1,901	1,901	1,901	1,813
R^2	0.081	0.061	0.081	0.062
Adjusted R ²	0.072		0.072	0.052
Max. Possible R ²		0.205		
Log Likelihood		-157.637		
Statistic	12.778*** (df = 13; 1881))	12.778*** (df = 13; 18	381) 9.076*** (df = 13; 17
Wald Test		93.070*** (df = 14)		
LR Test		119.769*** (df = 14)		
Score (Logrank) Test		158.630*** (df = 14)		

Figure 2: All party FE models, with all representatives, only those who changed their votes and all those who didn't

			Dependent variable:			
•	Vote in 114th Congress 1st Vote in 115th congress 2nd Vo			Vote 116th congress	-	
	(1)	(2)	(3)	(4)	(5)	
Anti-Env Contributions for Vote 3	0.001	0.001	-0.0004	-0.002***	-0.002***	
	(0.0005)	(0.001)	(0.001)	(0.001)	(0.001)	
Pro-Env Contributions for Vote 3	-0.001	-0.008	-0.001	-0.005	-0.001	
	(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	0.001	-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	
TO EMY COMMICUMONS FOR YOUR SE			(0.003)	(0.005)	(0.005)	
Anti-Env Contributions for Vote 6			(51555)	0.0003	0.002***	
Anti-Env Contributions for vote 6				(0.001)	(0.001)	
- For Contribution for Veta 6						
Pro-Env Contributions for Vote 6				-0.002	-0.014*	
ori E. G. dilleri C. V. d. 7				(0.011)	(800.0)	
Anti-Env Contributions for Vote 7					-0.001 (0.001)	
Pro-Env Contributions for Vote 7					0.017*	
		***	***	***	(0.009)	
PartyR		0.936***	0.905***	0.979***	0.955***	
		(0.028)	(0.033)	(0.022)	(0.023)	
st dimension DW Nominate	-0.048	-0.079	-0.061	-0.011	0.035	
	(0.069)	(0.091)	(0.110)	(0.075)	(0.079)	
nd dimension DW Nominate	0.170***	0.110*	0.064	0.026	0.081	
	(0.052)	(0.065)	(0.078)	(0.056)	(0.055)	
GenderM	0.031	0.007	0.017	0.024	0.004	
	(0.021)	(0.025)	(0.030)	(0.020)	(0.019)	
Pro-Env Contribution Dummy	-0.016	0.017	0.012	0.010	-0.018	
	(0.022)	(0.026)	(0.030)	(0.036)	(0.033)	
Anti-Env Contribution Dummy	0.048	0.052	-0.036	0.007	0.009	
	(0.030)	(0.036)	(0.047)	(0.030)	(0.027)	
Observations	332	281	268	224	179	
R^2	0.067	0.917	0.891	0.968	0.976	
Adjusted R ²	-0.119	0.869	0.824	0.943	0.954	
Statistic	2.201^{**} (df = 9; 276)	163.850^{***} (df = 12; 178)	96.517*** (df = 14; 165)	235.046^{***} (df = 16; 126)	211.775*** (df = 18;	

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

	Dependent varia	ble:	
	Vote		
	<i>OLS</i> (1)	logistic (2)	
Log. Anti-Env Contributions Amount	-0.015*** (0.004)	-0.532*** (0.185)	
Log. Pro-Env Contributions Amount	0.027*** (0.009)	0.839** (0.334)	
Anti-Env Contribution Dummy	0.003 (0.016)	0.190 (0.747)	
Pro-Env Contribution Dummy	-0.015 (0.012)	-0.319 (0.569)	
District	0.001** (0.0004)	0.007 (0.017)	
PartyR	-0.898*** (0.009)	-8.385*** (0.530)	
Birthyear	0.001*	0.022 (0.018)	
GenderM	-0.023**	-1.138** (0.494)	
1st dimension DW Nominate	(0.009) -0.141***	-3.339**	
2nd dimension DW Nominate	(0.029) -0.072***	(1.454) -3.150***	
GeographicalNE	(0.021) 0.071***	(1.112) 2.460***	
GeographicalSO	(0.011)	(0.553)	
GeographicalWE	(0.009) 0.018 (0.011)	(0.477) 0.804 (0.561)	
Vote Number	0.001*** (0.0002)	0.029*** (0.009)	
Seniority	0.001 (0.001)	0.039 (0.047)	
Democratic Majority in House	0.023*** (0.009)	1.569*** (0.476)	
Constant	-0.434 (0.785)	-36.504 (34.885)	
Observations R ²	1,901 0.908	1,901	
Adjusted R ² Log Likelihood	0.907	-157.266	
Akaike Inf. Crit. Residual Std. Error	0.152 (df = 1884)	348.533	
F Statistic	1,162.325*** (df = 16; 18	-	
Note:	*p<0.1; **p<0.05; ***p<0.01		

Figure 4: the LPM models with geographical and year fixed effects

A3. Declaration of Aids

Type of Aid	Use of Aid
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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,

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- that all parts of the thesis produced with the help of aids have been precisely declared;
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21.05.2024

Minna Emilia Hagen Heim