Online Appendix for "The Effect of Gender on Interruptions at Congressional Hearings"

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Table A1: Comparison of Sample to Population

Congress	Chamber	States (Samp.)	States (Pop.)	Seniority (Samp., Years)	Seniority (Pop., Years)	Republican (Samp., %)	Republican (Pop., %)	Female (Samp., %)	Female (Pop., %)
105	House	50	50	4.4	4.9	47.5	52.0	14.2	12.4
	Senate	50	50	10.7	11.4	51.7	55.0	12.7	9.1
106	House	50	50	4.9	5.2	46.7	51.3	14.6	13.0
	Senate	50	50	11.6	11.9	51.5	54.9	12.5	8.9
107	House	50	50	5.4	5.5	47.5	51.5	14.6	13.7
	Senate	50	50	12.1	11.9	49.4	50.0	16.5	13.7
108	House	50	50	5.9	5.6	48.3	52.4	14.4	13.8
	Senate	50	50	13.2	12.8	50.5	51.0	16.3	14.3
109	House	50	50	6.4	6.0	48.5	53.3	15.5	15.5
	Senate	50	50	13.8	13.3	53.6	54.5	15.5	14.1
110	House	50	50	6.6	5.9	44.9	45.9	16.6	16.8
	Senate	50	50	14.2	13.8	49.9	51.0	15.9	15.7
111	House	50	50	7.1	5.9	42.2	40.7	16.9	17.1
	Senate	50	50	13.2	11.4	43.9	40.4	17.3	17.6
112	House	50	50	7.3	5.7	49.0	55.1	17.4	17.1
	Senate	50	50	12.7	10.6	46.5	47.1	17.3	17.3
113	House	50	50	7.4	5.4	49.5	53.6	18.4	18.4
	Senate	50	50	12.1	9.6	44.9	42.9	18.6	19.6
114	House	50	50	7.5	5.3	50.5	57.0	19.5	19.4
	Senate	50	50	12.1	9.4	54.6	55.0	20.3	20.2
115	House	50	50	8.3	5.6	49.7	55.7	19.3	18.9
	Senate	50	50	13.3	10.2	54.8	53.5	18.8	21.0

Note: Entries are average seniority, percent Republican, and percent female of the Members identified in the congressional hearing transcripts, and of Members present in the population, by chamber and Congress. All states are represented in both the sample and the population.

Table A2: Breakdown of Interruptions by Congress

Congress	Num. Chunks	Num. Interruptions	Pct. (%)	Num. Hearings	μ_π	σ_π
105	140,799	5,388	3.8	626	3.7	3.1
106	241,959	9,293	3.8	1,476	3.2	3.0
107	270,014	10,893	4.0	1,927	3.2	3.2
108	265,864	11,617	4.4	2,224	3.7	4.1
109	293,545	14,420	4.9	2,537	4.0	4.1
110	421,216	20,631	4.9	3,237	4.3	4.1
111	355,443	16,893	4.8	3,122	4.1	4.3
112	357,423	17,950	5.0	3,009	4.1	4.0
113	334,498	19,536	5.8	2,644	4.6	4.4
114	309,380	21,342	6.9	2,456	5.1	4.9
115	91,106	4,375	4.8	787	4.0	3.9
All	3,081,247	152,338	4.9	24,045	4.0	3.9

Note: Entries are counts and derived quantities for the chunks parsed from the congressional hearing transcripts. The number of chunks is the total number of chunks parsed. The number of interruptions is the number of chunks coded as containing a Member interruption. The percents are the number of interruptions divided by the total number of chunks. μ_π is the mean of the hearing-level interruption rates. σ_π is the standard deviation of the hearing-level interruption rates.

Table A3: Interruptions in Congressional Hearings, by Chamber

	Interruption					
	House	Senate	Joint	House	Senate	Joint
	(4)	(5)	(6)	(7)	(8)	(9)
Female	0.021**	0.112***	−0.127	0.100***	0.137***	0.654**
	(0.009)	(0.014)	(0.086)	(0.032)	(0.050)	(0.310)
Ideology (DW-NOMINATE)				0.006***	0.021***	−0.005
				(0.001)	(0.002)	(0.023)
Seniority				0.112***	−0.238***	0.334
				(0.026)	(0.046)	(0.346)
Republican				−0.116***	0.150***	−0.012
				(0.023)	(0.036)	(0.312)
Chair				−0.192***	−0.246***	−0.387**
				(0.013)	(0.018)	(0.155)
Majority				−0.194***	−0.138***	−0.126
				(0.010)	(0.015)	(0.126)
Recent Interruptions	0.430***	0.496***	0.483***	0.434***	0.489***	0.504***
	(0.002)	(0.003)	(0.027)	(0.003)	(0.004)	(0.043)
Long-Windedness (Chunk Length)	−1.141***	−1.178***	−1.369***	−1.279***	−1.244***	−1.126***
	(0.010)	(0.016)	(0.100)	(0.013)	(0.019)	(0.159)
Impatience (Chunk Timing)	0.178***	0.128***	0.102	0.166***	0.093***	−0.021
	(0.011)	(0.017)	(0.109)	(0.013)	(0.021)	(0.179)
Session	0.050***	0.016	0.010	0.044***	0.016	0.047
	(0.006)	(0.010)	(0.071)	(0.007)	(0.011)	(0.094)
Female*Seniority				−0.005***	0.001	−0.070*
				(0.001)	(0.005)	(0.040)
Female*Republican				−0.015	−0.099***	0.656**
				(0.025)	(0.034)	(0.326)
Female*Chair				−0.069	−0.193***	−0.490
				(0.043)	(0.052)	(0.367)
Female*Majority				0.045*	−0.048	−0.386
				(0.023)	(0.031)	(0.290)
Female*Recent Interruptions				−0.032***	0.001	−0.098
				(0.008)	(0.009)	(0.082)
Female*Long-Windedness				−0.078**	−0.024	−0.557*
				(0.034)	(0.043)	(0.321)
Female*Impatience				−0.041	−0.051	0.137
				(0.038)	(0.050)	(0.346)
Constant	−3.258	−3.336	−3.090	−2.639	−3.237	−3.670
	(0.262)	(0.090)	(0.192)	(0.276)	(0.096)	(0.927)
Congress FEs	Yes	Yes	Yes	Yes	Yes	Yes
Committee FEs	Yes	Yes	Yes	Yes	Yes	Yes
Observations	2,120,599	929,229	28,120	1,808,309	839,486	15,935
Log Likelihood	-403,615	-160,872	-4,108	-326,929	-144,495	-2,284
Akaike Inf. Crit.	807,270	321,784	8,254	653,922	289,055	4,626

Note: Entries are coefficients and heteroskedasticity-consistent standard errors from a logistic regression of interruption on speaker and speech characteristicsm, for data subset by the chamber in which the hearing was held. The unit of analysis is the chunk of speech. The time period for the models spans from the 105th–115th Congresses. Models 7–9 are fully specified.

Table A4: Women More Likely to Fight for Time in Congressional Hearings

	Interruption Cluster		
	(10)	(11)	(12)
Female	0.009***	−0.019***	0.086***
	(0.003)	(0.004)	(0.012)
Ideology (DW-NOMINATE)		0.147***	0.105***
		(0.009)	(0.009)
Seniority		−0.002***	−0.002***
		(0.0002)	(0.0002)
Senator		−0.143***	−0.156***
		(0.003)	(0.003)
Republican		−0.109***	−0.048***
		(0.008)	(0.008)
Chair		−0.207***	−0.182***
		(0.004)	(0.004)
Majority		−0.133***	−0.138***
		(0.004)	(0.004)
Long-Windedness (Chunk Length)	−0.457***	−0.466***	−0.449***
	(0.004)	(0.005)	(0.005)
Impatience (Chunk Timing)	0.842***	0.843***	0.854***
	(0.004)	(0.004)	(0.005)
Session	0.073***	0.080***	0.079***
	(0.002)	(0.003)	(0.003)
Female*Seniority			0.003***
			(0.001)
Female*Republican			−0.259***
			(0.009)
Female*Chair			−0.198***
			(0.012)
Female*Senator			0.155***
			(0.008)
Female*Majority			0.018**
			(0.008)
Female*Long-Windedness			−0.119***
			(0.013)
Female*Impatience			−0.084***
			(0.013)
Constant	−1.443	−1.256	−1.287
	(0.027)	(0.030)	(0.030)
Congress FEs	Yes	Yes	Yes
Committee FEs	Yes	Yes	Yes
Observations	3,081,247	2,663,730	2,663,730
Log Likelihood	-1,997,283	-1,722,109	-1,721,314
Akaike Inf. Crit.	3,994,607	3,444,271	3,442,696

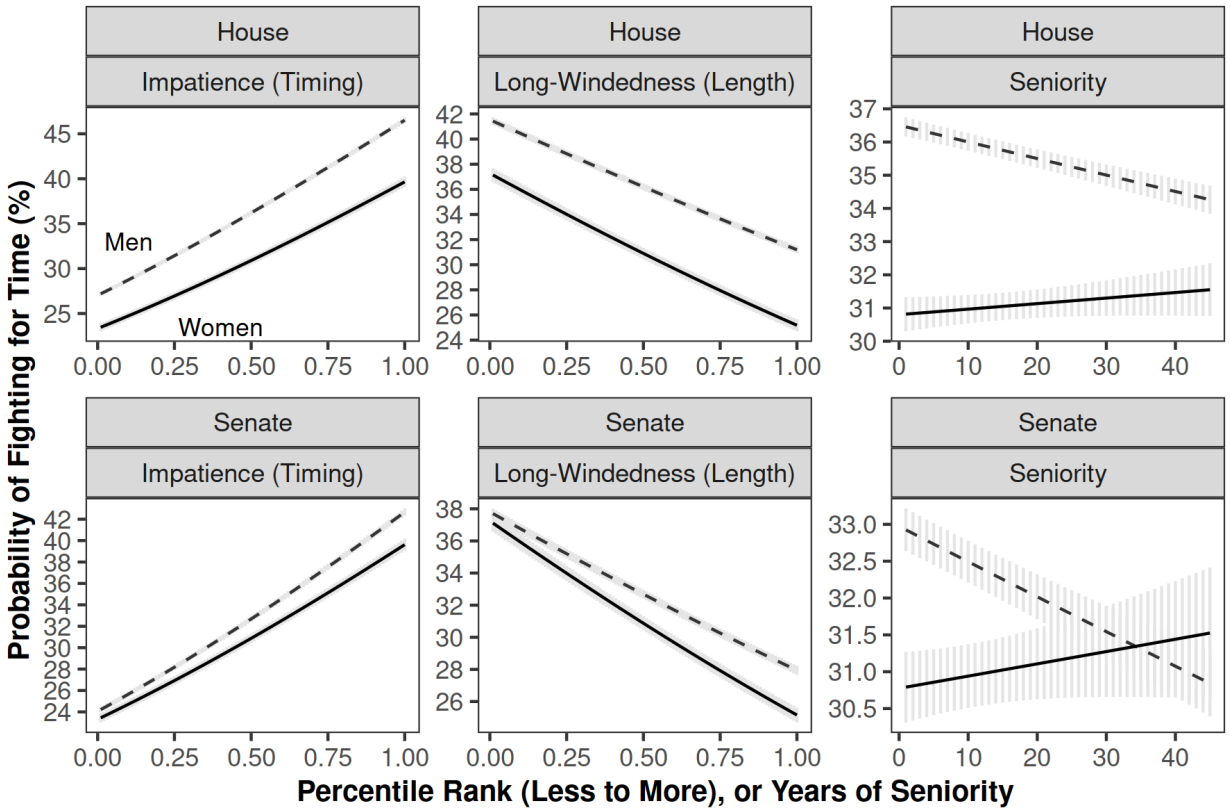
Note: Entries are coefficients and heteroskedasticity-consistent standard errors from a logistic regression of fighting for time on speaker and speech characteristics. The unit of analysis is the chunk of speech. Models 11 and 12 only use observations where complete data are available. The time period for the models spans from the 105th–115th Congresses.

Table A5: Fighting for Time in Congressional Hearings, by Chamber

	Interruption Cluster					
	House	Senate	Joint	House	Senate	Joint
	(13)	(14)	(15)	(16)	(17)	(18)
Female	0.003	0.063***	0.004	0.105***	0.217***	0.205
	(0.004)	(0.006)	(0.034)	(0.015)	(0.023)	(0.127)
Ideology (DW-NOMINATE)				−0.003***	0.008***	−0.0004
				(0.0002)	(0.001)	(0.009)
Seniority				0.097***	0.054***	−0.115
				(0.011)	(0.020)	(0.145)
Republican				−0.086***	0.017	0.107
				(0.010)	(0.016)	(0.132)
Chair				−0.126***	−0.209***	−0.119**
				(0.005)	(0.007)	(0.060)
Majority				−0.134***	−0.162***	−0.157***
				(0.005)	(0.007)	(0.055)
Long-Windedness (Chunk Length)	−0.445***	−0.508***	−0.655***	−0.417***	−0.537***	−0.688***
	(0.005)	(0.008)	(0.046)	(0.006)	(0.009)	(0.072)
Impatience (Chunk Timing)	0.820***	0.897***	0.951***	0.851***	0.872***	0.909***
	(0.005)	(0.007)	(0.043)	(0.006)	(0.008)	(0.068)
Session	0.088***	0.045***	0.003	0.089***	0.053***	0.226***
	(0.003)	(0.004)	(0.029)	(0.003)	(0.005)	(0.040)
Female*Seniority				0.001**	0.001	0.037**
				(0.001)	(0.002)	(0.017)
Female*Republican				−0.160***	−0.420***	0.170
				(0.011)	(0.015)	(0.165)
Female*Chair				−0.123***	−0.287***	−0.288**
				(0.017)	(0.021)	(0.127)
Female*Majority				0.041***	0.034**	−0.408***
				(0.010)	(0.014)	(0.112)
Female*Long-Windedness				−0.137***	−0.048**	−0.119
				(0.016)	(0.022)	(0.143)
Female*Impatience				−0.132***	−0.0005	0.084
				(0.016)	(0.021)	(0.128)
Constant	−1.801	−1.489	−0.907	−1.719	−1.300	−1.524
	(0.130)	(0.039)	(0.080)	(0.168)	(0.042)	(0.294)
Congress FEs	Yes	Yes	Yes	Yes	Yes	Yes
Committee FEs	Yes	Yes	Yes	Yes	Yes	Yes
Observations	2,120,599	929,229	28,120	1,808,309	839,486	15,935
Log Likelihood	-1,386,490	-586,729	-16,371	-1,180,058	-528,237	-9,404
Akaike Inf. Crit.	2,773,018	1,173,496	32,778	2,360,176	1,056,535	18,863

Note: Entries are coefficients and heteroskedasticity-consistent standard errors from a logistic regression of interruption on speaker and speech characteristics. The unit of analysis is the chunk of speech. The time period for the models spans from the 105th–115th Congresses.

Figure A1: Predicted Probability of Fighting in Committee Hearings, by Impatience, Long-Windedness, and Seniority



Note: Values are modeled probabilities and 95% confidence intervals from Model 12, Table A4, the regression of interruptions on speech characteristics. Long-Windedness is the percentile rank of the length of the speech chunk, ranked within each hearing. Impatience is the percentile rank of the elapsed time in the hearing when the chunk occurs, ranked across all hearings. Each line is the predicted probability of fighting for time conditional on gender; lines are labeled by gender. The figure panels for impatience and long-windedness suggest that in both cases the probability of fighting for time is lower given the Member is a woman, but that gender only slightly, if at all, moderates the relationship between fighting for time and either long-windedness or elapsed time. The figure panels for seniority suggest that the probability of fighting for time is lower given the Member is a woman, but that gender moderates the relationship between fighting for time and seniority.

Table A6: Women More Likely to Win when Fighting for Time in Congressional Hearings

	Winning Interruption Cluster		
	(19)	(20)	(21)
Female	0.012	−0.003	0.021
	(0.011)	(0.012)	(0.040)
Ideology (NOMINATE)		0.043	0.026
		(0.030)	(0.030)
Seniority		0.001**	0.001
		(0.001)	(0.001)
Senator		−0.071***	−0.065***
		(0.009)	(0.010)
Republican		−0.066***	−0.034
		(0.025)	(0.026)
Chair		−0.106***	−0.098***
		(0.012)	(0.013)
Majority		−0.026**	−0.022*
		(0.011)	(0.012)
Long-Windedness (Chunk Length)	0.152***	0.140***	0.136***
	(0.013)	(0.014)	(0.015)
Impatience (Chunk Timing)	0.650***	0.639***	0.642***
	(0.012)	(0.013)	(0.014)
Session	0.022***	0.023***	0.023***
	(0.008)	(0.008)	(0.008)
Female*Seniority			0.004**
			(0.002)
Female*Republican			−0.140***
			(0.027)
Female*Chair			−0.075*
			(0.041)
Female*Senator			−0.001
			(0.026)
Female*Majority			−0.028
			(0.025)
Female*Long-Windedness			0.023
			(0.040)
Female*Impatience			−0.022
			(0.038)
Constant	−4.318	−4.249	−4.260
	(0.084)	(0.093)	(0.094)
Congress FEs	Yes	Yes	Yes
Committee FEs	Yes	Yes	Yes
Observations	3,081,247	2,663,730	2,663,730
Log Likelihood	-338,100	-293,514	-293,492
Akaike Inf. Crit.	676,243	587,082	587,053

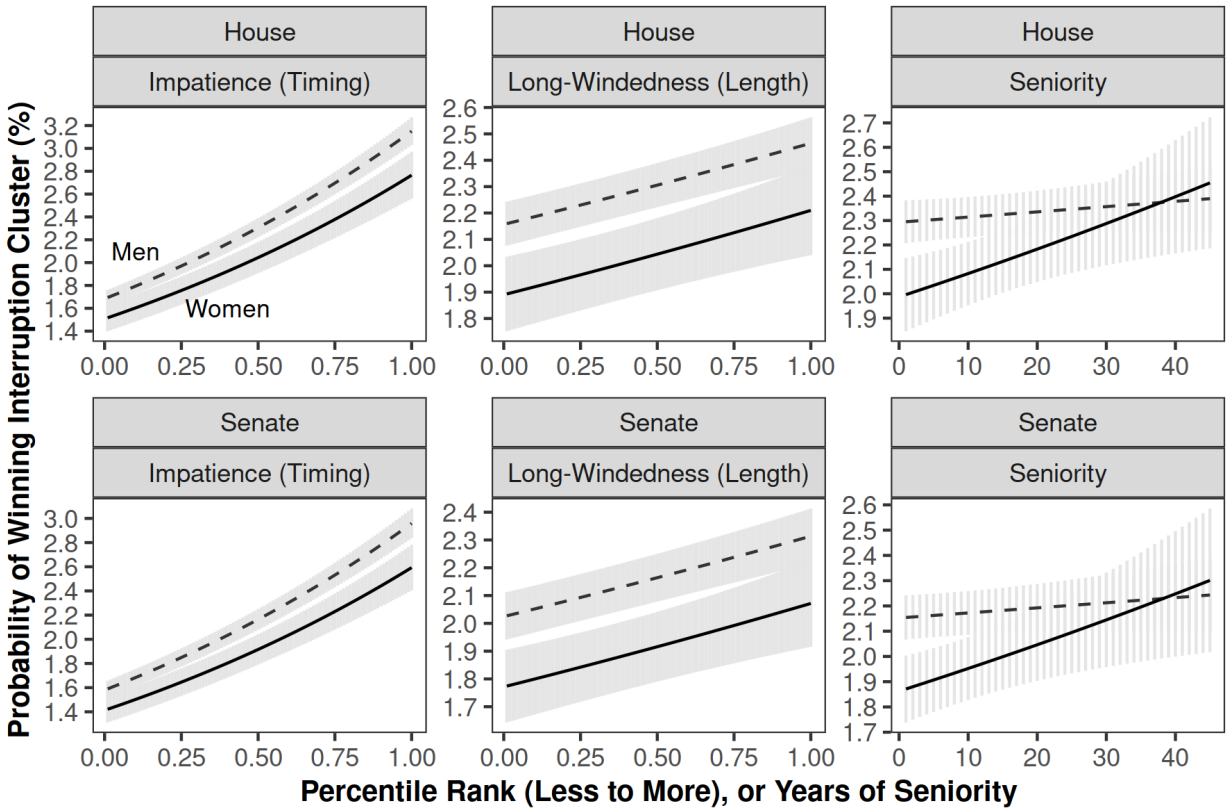
Note: Entries are coefficients and heteroskedasticity-consistent standard errors from a logistic regression of fighting for time and winning on speaker and speech characteristics. The unit of analysis is the chunk of speech. Models 20 and 21 only use observations where complete data are available. The time period for the models spans from the 105th–115th Congresses.

Table A7: Winning When Fighting for Time in Congressional Hearings, by Chamber

	Winning Interruption Cluster					
	(22)	(23)	(24)	(25)	(26)	(27)
Female	0.028**	−0.014	−0.012	0.023	0.001	0.308
	(0.013)	(0.020)	(0.106)	(0.046)	(0.075)	(0.379)
Ideology (DW-NOMINATE)				0.001	0.006**	−0.006
				(0.001)	(0.003)	(0.024)
Seniority				−0.009	0.237***	−0.866*
				(0.036)	(0.063)	(0.447)
Republican				−0.032	−0.140***	0.725*
				(0.032)	(0.050)	(0.398)
Chair				−0.091***	−0.071***	0.021
				(0.017)	(0.024)	(0.175)
Majority				−0.020	−0.042*	−0.023
				(0.014)	(0.022)	(0.159)
Long-Windedness (Chunk Length)	0.139***	0.181***	0.108	0.127***	0.161***	0.051
	(0.016)	(0.025)	(0.143)	(0.018)	(0.029)	(0.210)
Impatience (Chunk Timing)	0.613***	0.729***	0.934***	0.615***	0.702***	0.956***
	(0.014)	(0.022)	(0.128)	(0.017)	(0.026)	(0.191)
Session	0.035***	−0.003	0.044	0.034***	−0.003	0.111
	(0.009)	(0.014)	(0.092)	(0.010)	(0.015)	(0.119)
Female*Seniority				0.004**	0.004	−0.004
				(0.002)	(0.007)	(0.048)
Female*Republican				−0.138***	−0.131***	−0.382
				(0.035)	(0.049)	(0.488)
Female*Chair				−0.028	−0.091	−0.571
				(0.057)	(0.070)	(0.392)
Female*Majority				−0.030	0.003	−0.428
				(0.031)	(0.044)	(0.325)
Female*Long-Windedness				0.026	0.020	−0.242
				(0.048)	(0.070)	(0.410)
Female*Impatience				−0.054	0.019	0.277
				(0.047)	(0.066)	(0.401)
Constant	−4.837	−4.460	−4.147	−5.090	−4.295	−5.041
	(0.505)	(0.127)	(0.236)	(0.715)	(0.134)	(0.807)
Congress FEs	Yes	Yes	Yes	Yes	Yes	Yes
Committee FEs	Yes	Yes	Yes	Yes	Yes	Yes
Observations	2,120,599	929,229	28,120	1,808,309	839,486	15,935
Log Likelihood	-237,514	-97,322	-2,845	-203,685	-88,011	-1,734
Akaike Inf. Crit.	475,066	194,684	5,726	407,431	176,082	3,523

Note: Entries are coefficients and heteroskedasticity-consistent standard errors from a logistic regression of fighting for time and winning on speaker and speech characteristics. The unit of analysis is the chunk of speech. Models 25–27 only use observations where complete data are available. The time period for the models spans from the 105th–115th Congresses.

Figure A2: Predicted Probability of Fighting in Committee Hearings and Winning, by Impatience, Long-Windedness, and Seniority



Note: Values are modeled probabilities and 95% confidence intervals from Model 21, Table A6, the regression of winning an interruption cluster on speech characteristics. Long-Windedness is the percentile rank of the length of the speech chunk, ranked within each hearing. Impatience is the percentile rank of the elapsed time in the hearing when the chunk occurs, ranked across all hearings. Each line is the predicted probability of fighting for time and winning conditional on gender; lines are labeled by gender. The figure panels for impatience and long-windedness suggest that in both cases the probability of fighting for time and winning is lower given the Member is a woman, but that gender only slightly, if at all, moderates the relationship between winning and either long-windedness or elapsed time. The figure panels for seniority suggest that the probability of fighting for time and winning is lower given the Member is a woman, but that gender moderates the relationship between winning and seniority.

A1 Network Analysis

The ERGM takes as its main input a matrix (network) of observed interruptions. It also accepts a matrix of node and dyad variables that can be used to model the intensity of interruption. The ERGM operationalizes the joint probability density from which Congressional interruption networks are thought to be generated, by maximizing the probability of the observed interruption network over the networks with the same number of members of Congress that could have been observed. In the course of fitting an ERGM, we generate maximum likelihood parameter estimates for the included node and dyad variables that may be interpreted as if they are logistic regression coefficients.

The ERGM model is structured as follows:

$$\mathcal{P}(N,\theta) = \frac{\exp\{\theta' h(N)\}}{\sum_{N^* \in \mathcal{N}} \exp\{\theta' h(N^*)}, \tag{2}$$

where $h(N)$ is a vector of statistics computed on the network N with the same number of elements as θ, and $\mathcal{N}$ is the set of all possible permutations of the network N – from no interruptions at all to a fully saturated number of interruptions – with the same number of vertices. The statistics powering our inferences come from $h(N)$. For instance, the statistic for gender-directed interruption would be:

$$h_G(N) = \sum_{i \neq j} G_i G_j N_{ij}, \tag{3}$$

while the statistic for difference in seniority would be:

$$h_S(N) = \sum_{i \neq j} S_{ij} N_{ij}, \quad S_{ij} = \text{abs}(S_i - S_j). \tag{4}$$

We assume in the course of making inferences from the model that it is correctly specified,

and that the network we observe in each Congress is representative of the hypothetical distribution over networks.

Despite being a well-developed technology, ERGMs are not readily suited to model time series cross-sectional data structures where actors can drop in and out of the support in any given period. Elected officials, of course, shuffle in and out of Congress. For this reason, we fit 11 separate ERGM models for the 105th to 115th Congresses, and interpret the models as we would any other set of subsetted regressions.[1]

[1] We fit the ERGMs with Monte Carlo maximum likelihood estimation, stopping each model if it did not converge at 4,000 iterations. See Cranmer and Desmarais (2011), Cranmer et al. (2017), and Krivitsky (2012) for greater technical detail on ERGMs and their present best practice usage.

Table A8: Summary Statistics for Congressional Interruption Networks

Congress	Observed Edges	Non-Zero	Nodes	Female	Ideo. S.D.	Med. Exp.	Rep.	Pct. Non-Zero	Pct. Female	Pct. Republican
105	658,680	14,668	535	63	0.41	4	279	2.22	11.78	52.15
106	712,977	15,443	531	65	0.41	4	275	2.16	12.24	51.79
107	763,525	16,274	536	73	0.41	5	274	2.13	13.62	51.12
108	815,906	17,403	533	74	0.41	5	279	2.13	13.88	52.35
109	842,698	17,697	534	81	0.42	6	288	2.10	15.17	53.93
110	855,754	18,303	547	91	0.42	6	255	2.13	16.64	46.62
111	820,999	17,574	533	91	0.41	5	219	2.14	17.07	41.09
112	791,031	16,899	540	93	0.44	5	286	2.13	17.22	52.96
113	726,238	15,503	541	101	0.45	4	278	2.13	18.67	51.39
114	639,610	13,065	529	103	0.45	4	299	2.04	19.47	56.52
115	579,325	11,679	533	103	0.45	5	293	2.01	19.32	54.97

Note: Entries are summary statistics computed for the congressional interruption networks. Edges are coded using a rule, where an edge is coded as 1 if there were more than 4 interruptions in the directed edge; the edge is coded as 0 otherwise.

Table A9: Interruptions in Congressional Hearings, Controlling for Endogenous Effects

	Interruption Tie					
	(28)	(29)	(30)	(31)	(32)	(33)
Mutual	7.635***	7.522***	7.491***	7.642***	7.345***	7.663***
	(0.093)	(0.126)	(0.106)	(0.108)	(0.118)	(0.100)
Sender Female, Reciever Male	−0.202	−0.061	0.019	−0.163	−0.139	0.207*
	(0.163)	(0.166)	(0.170)	(0.125)	(0.174)	(0.124)
Sender Male, Receiver Female	0.204	0.238**	0.127	0.113	0.192	−0.059
	(0.142)	(0.115)	(0.179)	(0.160)	(0.184)	(0.124)
Sender Female, Receiver Female	0.182	0.466*	0.174	0.296	0.161	−0.177
	(0.272)	(0.278)	(0.216)	(0.198)	(0.252)	(0.269)
Abs. Diff. Seniority	−0.005	−0.021***	−0.010	−0.024***	−0.017*	−0.022***
	(0.009)	(0.006)	(0.009)	(0.006)	(0.010)	(0.006)
Receiver Seniority	0.013	0.021**	0.017**	0.045***	0.029***	0.041***
	(0.008)	(0.010)	(0.008)	(0.009)	(0.008)	(0.007)
Receiver Seniority * Both Female	−0.029	−0.071	0.029	−0.090	−0.038	−0.043
	(0.096)	(0.072)	(0.056)	(0.064)	(0.051)	(0.039)
Receiver Seniority * Receiver Female	0.072	0.050	0.100**	0.053	0.043	0.030
	(0.060)	(0.055)	(0.044)	(0.034)	(0.028)	(0.023)
Receiver Seniority * Sender Female	0.029	0.012	0.013	0.052	−0.006	0.009
	(0.047)	(0.041)	(0.047)	(0.040)	(0.026)	(0.023)
Sender Senate, Receiver House	−0.980***	−0.665***	−0.852***	−0.932***	−0.614***	−0.851***
	(0.152)	(0.116)	(0.132)	(0.151)	(0.132)	(0.120)
Sender House, Receiver Senate	−1.001***	−1.037***	−1.139***	−1.311***	−1.159***	−1.146***
	(0.130)	(0.132)	(0.117)	(0.158)	(0.130)	(0.170)
Sender Senate, Receiver Senate	0.760***	0.734***	0.701***	0.471***	0.845***	0.600***
	(0.112)	(0.152)	(0.167)	(0.150)	(0.176)	(0.148)
Receiver Senate * Both Female	0.864	0.020	2.331**	0.772	0.877	0.192
	(0.990)	(0.754)	(1.047)	(0.668)	(0.761)	(0.581)
Receiver Senate * Receiver Female	0.811*	0.695	0.261	0.836*	1.058***	0.548*
	(0.473)	(0.553)	(0.484)	(0.441)	(0.400)	(0.319)
Receiver Senate * Sender Female	0.713	1.020***	0.503	0.745	0.791	1.169***
	(0.470)	(0.361)	(0.437)	(0.494)	(0.542)	(0.289)
Sender Republican, Receiver Democrat	0.194	−0.104	−0.149	−0.186	−0.509***	−0.302*
	(0.165)	(0.176)	(0.197)	(0.181)	(0.152)	(0.177)
Sender Democrat, Receiver Republican	0.054	0.057	−0.140	−0.091	−0.190	−0.213
	(0.168)	(0.190)	(0.235)	(0.192)	(0.137)	(0.206)
Sender Republican, Receiver Republican	0.124	0.033	−0.062	−0.101	0.012	−0.043
	(0.114)	(0.107)	(0.102)	(0.098)	(0.117)	(0.109)
Sender and Receiver on Same Delegation	0.267	0.348	0.273	0.219	0.677***	0.088
	(0.171)	(0.237)	(0.245)	(0.144)	(0.166)	(0.206)
Congress	105th	106th	107th	108th	109th	110th
Bayesian Inf. Crit.	109,367	122,040	130,934	135,686	142,585	145,911

Note: Values are coefficients generated from exponential random graph models (ERGMs), where the nodes are Members of Congress and the directed edges exist if there were more than four interruptions for the directed dyad. Coefficients for the edges (intercept) and ideology (DW-NOMINATE) omitted for space. Significance codes: *p<0.1; **p<0.05; ***p<0.01.

Table A10: Interruptions in Congressional Hearings, Controlling for Endogenous Effects (cont.)

	Interruption Tie				
	(34)	(35)	(36)	(37)	(38)
Mutual	7.501***	7.594***	7.893***	7.788***	7.822***
	(0.097)	(0.102)	(0.145)	(0.118)	(0.128)
Sender Female, Reciever Male	−0.124	0.108	−0.082	0.034	−0.319**
	(0.147)	(0.136)	(0.104)	(0.149)	(0.136)
Sender Male, Receiver Female	0.102	0.237*	0.047	0.023	0.030
	(0.157)	(0.143)	(0.133)	(0.110)	(0.120)
Sender Female, Receiver Female	0.206	0.159	0.143	−0.159	−0.110
	(0.175)	(0.207)	(0.205)	(0.156)	(0.237)
Abs. Diff. Seniority	−0.032***	−0.025***	−0.034***	−0.046***	−0.070***
	(0.010)	(0.008)	(0.010)	(0.009)	(0.009)
Receiver Seniority	0.058***	0.060***	0.069***	0.076***	0.123***
	(0.010)	(0.008)	(0.009)	(0.007)	(0.010)
Receiver Seniority * Both Female	−0.016	0.036	0.079***	0.030	−0.035
	(0.038)	(0.046)	(0.031)	(0.024)	(0.026)
Receiver Seniority * Receiver Female	0.080***	0.046**	0.065***	0.051***	0.063***
	(0.025)	(0.019)	(0.022)	(0.016)	(0.017)
Receiver Seniority * Sender Female	0.021	0.015	−0.003	0.024	0.006
	(0.032)	(0.025)	(0.027)	(0.021)	(0.017)
Sender Senate, Receiver House	−0.580***	−0.598***	−0.864***	−0.802***	−0.805***
	(0.114)	(0.142)	(0.139)	(0.157)	(0.137)
Sender House, Receiver Senate	−1.176***	−1.264***	−1.082***	−1.103***	−1.411***
	(0.135)	(0.134)	(0.154)	(0.154)	(0.162)
Sender Senate, Receiver Senate	0.540***	0.466***	0.535***	0.730***	0.437**
	(0.148)	(0.163)	(0.121)	(0.202)	(0.177)
Receiver Senate * Both Female	1.498**	0.414	−0.352	0.236	0.916
	(0.614)	(0.501)	(0.655)	(0.706)	(0.613)
Receiver Senate * Receiver Female	0.375	0.533	0.475	0.254	1.066***
	(0.359)	(0.435)	(0.332)	(0.413)	(0.393)
Receiver Senate * Sender Female	1.107***	1.382***	1.679***	1.235***	0.914**
	(0.408)	(0.305)	(0.323)	(0.347)	(0.373)
Sender Republican, Receiver Democrat	−0.371***	−0.279*	−0.161	−0.097	0.167
	(0.119)	(0.149)	(0.209)	(0.251)	(0.171)
Sender Democrat, Receiver Republican	−0.164	−0.143	−0.027	0.218	0.310
	(0.108)	(0.137)	(0.202)	(0.203)	(0.196)
Sender Republican, Receiver Republican	0.101	0.082	0.232**	0.167	0.446***
	(0.107)	(0.089)	(0.113)	(0.134)	(0.089)
Sender and Receiver on Same Delegation	0.098	0.386*	−0.134	0.512***	0.001
	(0.148)	(0.200)	(0.146)	(0.180)	(0.170)
Congress	111th	112th	113th	114th	115th
Bayesian Inf. Crit.	136,529	134,593	127,132	112,810	102,272

Note: Values are coefficients generated from exponential random graph models (ERGMs), where the nodes are Members of Congress and the directed edges exist if there were more than four interruptions for the directed dyad. Coefficients for the edges (intercept) and ideology (DW-NOMINATE) omitted for space. Significance codes: *p<0.1; **p<0.05; ***p<0.01.