

Supplementary Material  
The Good, the Loyal or the Active?  
MPs' Parliamentary Performance and the Achievement of Static and Progressive  
Career Ambitions in Parliament

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10/07/2022

# 1 Summary Statistics

Table 1: Summary Statistics Part I: Re-election (N=325)

Statistic	Mean	St. Dev.	Min	Median	Max
Re-election	0.5	0.5	0	0	1
Parliamentary Activity	-0.0	0.6	-2.3	0.1	1.1
Quality of Parl. Work	-0.0	0.3	-1.3	-0.004	1.4
Voting Defection (log)	-0.4	0.4	-0.7	-0.5	1.6
Committee Chair 2014	0.2	0.4	0	0	1
PPG Leader 2014	0.1	0.2	0	0	1
Bureau Member 2014	0.1	0.3	0	0	1
Minister	0.1	0.3	0	0	1
Female	0.4	0.5	0	0	1
Seniority (log)	0.7	0.6	0.0	0.7	2.6
Opposition	0.4	0.5	0	0	1
PPG Size Change	-4.1	5.3	-8	-6	17
Media Coverage (log)	0.04	0.4	-0.7	-0.04	2.6
Mayor	0.2	0.4	0	0	1
Incumbency Time	0.9	0.2	0	1	1
Substitute 2014	0.2	0.4	0	0	1
Electoral Vulnerability	0.7	0.3	0	0.7	1

Table 2: Summary Statistics Part II: Parliamentary Leadership Position (N=158)

Statistic	Mean	St. Dev.	Min	Median	Max
Parl.Leadership Position 2019	0.4	0.5	0	0	1
Committee Chair 2019	0.2	0.4	0	0	1
Bureau Member 2019	0.1	0.3	0	0	1
PPG Leader 2019	0.1	0.3	0	0	1
Parliamentary Activity	0.1	0.6	-2.3	0.2	1.1
Quality of Parl. Work	0.1	0.3	-0.7	0.04	1.4
Voting Defection (log)	-0.4	0.3	-0.7	-0.5	0.8
Committee Chair 2014	0.2	0.4	0	0	1
PPG Leader 2014	0.1	0.3	0	0	1
Bureau Member 2014	0.1	0.3	0	0	1
Minister	0.1	0.3	0	0	1
Female	0.4	0.5	0	0	1
Seniority (log)	0.7	0.6	0	0.7	3
Opposition	0.4	0.5	0	0	1
PPG Size Change	-3.5	6.4	-8	-6	17

## 2 Results

### 2.1 Model Convergence: Potential Scale Reduction Factor Summary Statistics Bayesian Sample Selection Models with Dichotomous Outcome Variables (Model 1: Parliamentary Leadership Position; Model 2: Legislative Office; Model 3: Parliamentary Party Office).

Model 1

```
> quantile(na.omit(psr),probs = seq(0,1,.1))
      0%      10%      20%      30%      40%      50%      60%      70%
0.9995061 0.9997311 0.9998855 1.0000374 1.0002289 1.0004373 1.0006805 1.0009096
      80%      90%      100%
1.0012500 1.0019574 1.0059184
>
```

```
> quantile(na.omit(psr),probs = seq(0,1,.1))
      0%      10%      20%      30%      40%      50%      60%      70%
0.9995008 0.9997068 0.9998463 0.9999962 1.0001443 1.0003067 1.0004849 1.0007135
      80%      90%      100%
1.0010385 1.0015442 1.0055662
>
```

```
> quantile(na.omit(psr),probs = seq(0,1,.1))
      0%      10%      20%      30%      40%      50%      60%      70%
0.9995025 0.9997442 0.9998951 1.0000609 1.0002137 1.0003967 1.0006144 1.0008586
      80%      90%      100%
1.0011648 1.0016902 1.0076430
>
```

## 2.2 Baseline Model with Control Variables Only.

Table 3: Baseline Model.

	Re-election			Parl. Leadership Position		
	5%	Median	95%	5%	Median	95%
Constant	0.065	1.208	2.392	-1.771	-1.055	-0.281
Committee Chair 2014	0.035	0.372	0.700	0.739	1.337	2.029
PPG Leader 2014	0.144	0.713	1.330	0.657	1.669	2.639
Bureau Member 2014	-0.309	0.234	0.781	-0.028	0.827	1.789
Minister	-0.301	0.119	0.579	-1.394	-0.457	0.482
Female	-0.093	0.165	0.423	-0.757	-0.245	0.297
Seniority (log)	-0.642	-0.415	-0.176	-0.259	0.243	0.715
Opposition	-0.466	-0.173	0.130	-0.536	0.063	0.681
PPG Size Change	0.020	0.053	0.086	-0.025	0.025	0.076
Media Coverage (log)	0.121	0.569	0.966			
Mayor	0.332	0.670	1.021			
Incumbency Time	-1.442	-0.555	0.395			
Substitute 2014	-1.115	-0.598	-0.132			
Electoral Vulnerability	-1.348	-0.752	-0.208			
Parliament of Wallonia	-0.464	-0.113	0.258			
Flemish Parliament	-0.020	0.269	0.569			
Rho	-0.714	0.164	0.874	-0.714	0.164	0.874
N	325	325	325	158	158	158

### 3 Robustness Checks

#### 3.1 Separate Models

Table 4: Separate Probit Models

	<i>Dependent variable:</i>	
	Reelect (1)	ParlLeadPos2019 (2)
Activity	0.515*** (0.162)	0.671*** (0.248)
Quality	0.363 (0.272)	0.252 (0.393)
VotingDefection	-0.412* (0.230)	-0.989** (0.440)
ComChair2014	0.332 (0.203)	0.979*** (0.272)
PPGLead2014	0.391 (0.379)	0.930** (0.413)
Bureau2014	0.407 (0.323)	0.867** (0.403)
Minister	0.204 (0.302)	-0.176 (0.402)
Female	0.163 (0.162)	-0.181 (0.237)
Seniority	-0.385*** (0.145)	0.269 (0.215)
Opposition	-0.121 (0.196)	0.163 (0.306)
PPGSizeChange	0.045** (0.018)	0.015 (0.023)
MediaCoverage	0.560** (0.238)	
Mayor	0.779*** (0.212)	
Duration	-1.270** (0.615)	
Substitute2014	-0.560* (0.294)	
ElectVuln	-0.719** (0.341)	
ParlWallon	-0.125 (0.221)	
FlemParl	0.335* (0.182)	
Constant	1.586** (0.750)	-1.362*** (0.379)
Observations	325	158
Log Likelihood	-183.245	-82.854
Akaike Inf. Crit.	404.490	189.708

*Note:* \*p<0.1; \*\*p<0.05; \*\*\*p<0.01

### 3.2 Additional Control Variables

Table 5: Robustness Check with Additional Control Variables.

	Re-election			Parl. Leadership Position		
	5%	Median	95%	5%	Median	95%
Constant	-0.079	1.396	2.936	-6.289	-4.132	-2.139
Activity	0.265	0.569	0.870	0.746	1.390	2.077
Quality	-0.072	0.395	0.875	-0.536	0.468	1.484
Voting Defection (log)	-0.874	-0.454	-0.065	-3.113	-1.984	-0.883
Committee Chair 2014	0.024	0.361	0.698	0.833	1.554	2.261
PPG Leader 2014	-0.218	0.399	1.052	0.684	1.782	2.880
Bureau Member 2014	-0.050	0.486	1.034	0.485	1.563	2.688
Minister	-0.216	0.276	0.790	-1.039	0.029	1.079
Female	-0.065	0.210	0.493	-0.839	-0.252	0.359
Seniority (log)	-0.679	-0.415	-0.169	-0.183	0.406	0.965
Opposition	-1.376	-0.540	0.238	-1.787	0.671	2.772
PPG Size Change	-0.051	0.021	0.093	-0.292	-0.088	0.116
Linguistic Group (Dutch)	-0.759	-0.299	0.146	-0.617	0.099	0.881
Party Family						
<i>Socialist</i>	-0.219	0.538	1.309	-1.395	0.512	2.717
<i>Green</i>	-0.525	0.577	1.695	-1.830	1.284	4.464
<i>Liberal</i>	-0.430	0.037	0.495	0.152	1.175	2.346
<i>Regionalist</i>	-0.288	0.152	0.601	-0.194	0.774	1.799
<i>Extreme Right</i>	0.180	1.789	3.424	-0.478	4.399	9.461
<i>Other</i>	-1.759	-0.049	1.436	-220.981	-72.242	-4.508
Committee Incumbent				-0.735	-0.100	0.537
Media Coverage (log)	0.327	0.750	1.170			
Mayor	0.401	0.770	1.128			
Incumbency Time	-2.319	-1.249	-0.229			
Substitute 2014	-0.990	-0.464	0.034			
Electoral Vulnerability	-1.161	-0.573	0.015			
Parliament of Wallonia	-0.783	-0.316	0.150			
Flemish Parliament	0.069	0.419	0.773			
Rho	-0.397	0.517	0.950	-0.397	0.517	0.950
N	325	325	325	158	158	158

### 3.3 Exclude MPs Elected in Other Parliament and Appointed Ministers

Table 6: Robustness Check without MPs Elected in Other Parliaments and Appointed Ministers.

	Re-election			Parl. Leadership Position		
	5%	Median	95%	5%	Median	95%
Constant	-0.083	1.228	2.574	-3.346	-2.244	-1.184
Activity	0.216	0.493	0.771	0.462	1.036	1.668
Quality	-0.056	0.417	0.890	-0.588	0.404	1.361
Voting Defection (log)	-0.810	-0.427	-0.043	-2.512	-1.342	-0.345
Committee Chair 2014	-0.066	0.300	0.658	0.738	1.452	2.126
PPG Leader 2014	-0.394	0.262	0.917	0.406	1.590	2.898
Bureau Member 2014	0.006	0.586	1.169	0.385	1.402	2.514
Minister	-0.026	0.518	1.096	-1.480	-0.414	0.645
Female	-0.147	0.164	0.453	-0.681	-0.109	0.438
Seniority (log)	-0.648	-0.404	-0.156	-0.136	0.399	0.964
Opposition	-0.479	-0.154	0.180	-0.617	0.156	0.834
PPG Size Change	0.024	0.055	0.088	-0.030	0.031	0.082
Media Coverage (log)	0.232	0.638	1.070			
Mayor	0.454	0.793	1.164			
Incumbency Time	-2.070	-0.974	0.110			
Substitute 2014	-0.977	-0.435	0.081			
Electoral Vulnerability	-1.257	-0.621	-0.060			
Parliament of Wallonia	-0.467	-0.115	0.233			
Flemish Parliament	0.043	0.410	0.709			
Rho	-0.446	0.419	0.946	-0.446	0.419	0.946
N	306	306	306	148	148	148

### 3.4 Re-election Irrespective Whether in Other Parliament

Table 7: Separate Probit Model: Re-elected MPs Irrespective Whether in Other Parliament

	<i>Dependent variable:</i>
	Reelect
Activity	0.464*** (0.162)
Quality	0.390 (0.273)
VotingDefection	-0.364 (0.228)
ComChair2014	0.293 (0.203)
PPGLead2014	0.233 (0.380)
Bureau2014	0.458 (0.330)
Minister	0.369 (0.308)
Female	0.227 (0.162)
Seniority	-0.309** (0.144)
Opposition	-0.155 (0.196)
PPGSizeChange	0.050*** (0.018)
MediaCoverage	0.687*** (0.250)
Mayor	0.759*** (0.214)
Duration	-1.096* (0.621)
Substitute2014	-0.533* (0.293)
ElectVuln	-0.663* (0.341)
ParlWallon	-0.112 (0.221)
FlemParl	0.379** (0.183)
Constant	1.409* (0.753)
Observations	325
Log Likelihood	-182.195
Akaike Inf. Crit.	402.391
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01



Table 8: Robustness Check Members of the Federal Chamber of Representatives Only

	Re-election			Parl. Leadership Position		
	5%	Median	95%	5%	Median	95%
Constant	-0.538	2.486	5.817	-10.080	-6.030	-2.711
Activity	0.999	1.648	2.425	0.548	3.183	6.354
Quality	-1.180	-0.484	0.231	-0.758	1.110	3.068
Voting Defection (log)	-1.999	-1.015	-0.110	-7.043	-3.124	0.660
ParlLeadPos2014	-0.223	0.322	0.857	2.879	4.473	6.423
Minister	-0.435	0.403	1.275	-2.409	-0.285	1.871
Female	-0.452	0.048	0.562	0.269	1.679	3.271
Seniority (log)	-0.961	-0.545	-0.141	-1.757	-0.507	0.803
Opposition	-1.250	-0.549	0.118	-0.351	1.804	4.198
PPG Size Change	-0.042	0.032	0.106	-0.396	-0.215	-0.052
Media Coverage (log)	0.347	1.057	1.835			
Mayor	0.315	0.878	1.458			
Incumbency Time	-5.564	-2.587	-0.142			
Substitute 2014	-0.810	0.276	1.424			
Electoral Vulnerability	-1.601	-0.570	0.490			
Rho	-0.866	0.079	0.905	-0.866	0.079	0.905
N	112	112	112	53	53	53

### 3.5 Quality of Parliamentary Work Measured as Journalists' Evaluations (Het Nieuwsblad, 20 April 2019).

Table 9: Robustness Check with Alternative Measure of Quality of Parliamentary Work Based on Journalists' Evaluations (only for Dutch-speaking MPs).

	Re-election			Parl. Leadership Position		
	5%	Median	95%	5%	Median	95%
Constant	-0.653	1.215	3.143	-5.110	-3.489	-2.078
Activity	0.381	0.738	1.114	0.524	1.314	2.159
Quality (Journalists)	-0.014	0.122	0.256	0.242	0.573	0.925
Voting Defection (log)	-1.012	-0.441	0.126	-3.362	-1.734	-0.241
Committee Chair 2014	-0.334	0.140	0.618	0.701	1.665	2.694
PPG Leader 2014	-0.179	0.670	1.586	0.784	2.119	3.542
Bureau Member 2014	-0.362	0.329	0.991	0.394	1.708	3.104
Minister	0.080	0.826	1.602	-2.109	-0.287	1.454
Female	0.009	0.370	0.750	-1.720	-0.863	-0.012
Seniority (log)	-0.872	-0.542	-0.199	-0.379	0.443	1.286
Opposition	-1.157	-0.603	-0.076	-1.327	0.006	1.287
PPG Size Change	0.038	0.077	0.120	0.003	0.086	0.179
Media Coverage (log)	0.750	1.444	2.167			
Mayor	0.403	0.907	1.445			
Incumbency Time	-2.454	-0.756	0.920			
Substitute 2014	-1.300	-0.532	0.212			
Electoral Vulnerability	-1.652	-0.904	-0.153			
Flemish Parliament	0.151	0.517	0.869			
Rho	-0.237	0.613	0.962	-0.237	0.613	0.962
N	195	195	195	99	99	99

### 3.6 Primary Dimensions of Parliamentary Performance (Five Factors)

Table 10: Robustness Check with Five (Primary) Dimensions of Parliamentary Performance.

	Re-election			Parl. Leadership Position		
	5%	Median	95%	5%	Median	95%
Constant	0.076	1.202	2.546	-3.650	-2.530	-1.438
Representation Activity	-0.155	0.083	0.303	0.864	1.498	2.274
Legislative Activity	-0.466	0.087	0.671	-1.281	0.059	1.449
Control Activity	-0.026	0.411	0.820	-1.553	-0.531	0.341
Content of Parl. Work	-0.402	-0.117	0.184	-1.804	-1.158	-0.484
Policy-making Effectiveness	0.084	0.427	0.791	0.625	1.541	2.453
Voting Defection (log)	-0.830	-0.449	-0.015	-2.471	-1.321	-0.187
Committee Chair 2014	0.020	0.370	0.687	1.113	1.825	2.501
PPG Leader 2014	-0.221	0.434	1.056	-0.456	0.614	1.666
Bureau Member 2014	0.002	0.528	1.059	0.597	1.712	2.789
Minister	-0.247	0.261	0.748	-1.476	-0.446	0.598
Female	-0.085	0.191	0.507	-0.548	0.049	0.660
Seniority (log)	-0.643	-0.401	-0.160	-0.346	0.205	0.751
Opposition	-0.406	-0.083	0.244	-0.506	0.309	1.105
PPG Size Change	0.021	0.053	0.086	-0.015	0.047	0.107
Media Coverage (log)	0.200	0.608	1.019			
Mayor	0.482	0.846	1.199			
Incumbency Time	-2.036	-0.970	0.020			
Substitute 2014	-1.032	-0.501	-0.033			
Electoral Vulnerability	-1.302	-0.770	-0.166			
Parliament of Wallonia	-0.405	-0.064	0.299			
Flemish Parliament	0.106	0.424	0.698			
Rho	-0.152	0.593	0.974	-0.152	0.593	0.974
N	325	325	325	158	158	158