

Career determinants of the Hungarian candidates' and legislators' electoral performance

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Dependent variable:  $PV = \%Votes_{Candidate} - \%Votes_{Party}$

Table 1. Independent variables

Variable	Contents	Comments
Lagged dependent variable	Personal vote at the previous elections	Years: 1990, 1994, 1998, 2002, 2006
Election	Year of election	1994, 1998, 2002, 2006, 2010
SMD incumbent	Holds an SMD mandate at the time of the election	0 = no, 1 = yes
List MP	Holds a list mandate at the time of the election	0 = no, 1 = yes
Nr. of SMD terms	The number of terms served as an SMD MP before the actual election	
Same SMD	Candidate within the same SMD as last time	0 = no, 1 = yes
Government	Candidate of the currently governing party	0 = no, 1 = yes
Dominant party	Candidate of Fidesz or MSZP	0 = no, 1 = yes
Competition	The nr. of competing candidates in the SMD	
Margin	Electoral margin in the SMD at the previous elections $\frac{Votes_{Candidate1} - Votes_{Candidate2}}{Votes_{Total}}$	
Gender	Gender	0 = male, 1 = female
Age	Age at the time of the election	
Joint candidacy	Joint candidate of two or more parties	0 = no, 1 = yes
SZDSZ vote share	Vote share of SZDSZ at the current election in SMDs with MSZP-candidates	
Born in the SMD	The candidate was born in the SMD	0 = no, 1 = yes
Mayor	The candidate is a mayor during the preceding electoral term	0 = no, 1 = yes
Local council member	The candidate is a member of the local council during the preceding electoral term	0 = no, 1 = yes
Minister	The candidate serves as a minister sometime during the preceding electoral term	0 = no, 1 = yes
Party leader	The candidate is a party leader during the preceding electoral term	0 = no, 1 = yes
Parliamentary position	The candidate holds office in parliament during the preceding electoral term (committee chair, PPG-leader, speaker, vice president, clerk)	0 = no, 1 = yes

Table 2. The determinants of the personal vote among Hungarian parliamentary candidates between 1994 and 2010

Variables	Model1	Model2	Model3	Model4	Model5	Model6
Lagged dependent variable	.287 (.031)***	.288 (.032)***	.270 (.030)***	.259 (.029)***	.248 (.028)***	.249 (.028)***
Election: 1998	.178 (.260)	.199 (.262)	-.006 (.250)	.322 (.221)	-.209 (.253)	-.148 (.252)
Election: 2002	-.585 (.173)***	-.571 (.176)***	-.896 (.181)***	-.535 (.190)***	-2.272 (.294)***	-2.165 (.296)***
Election: 2006	.395 (.216)***	.428 (.217)**	-.155 (.234)	.267 (.249)	-2.386 (.432)***	-2.252 (.435)***
Election: 2010	1.082 (.194)***	1.107 (.194)***	.229 (.229)	.820 (.281)***	-1.181 (.482)**	-1.064 (.481)**
SMD incumbent		-.029 (.185)	-1.805 (.330)***	-.857 (.390)**	-.906 (.382)**	-.939 (.382)**
List MP		.514 (.253)**	.351 (.252)	.908 (.280)***	.739 (.280)***	.740 (.280)***
Nr. of SMD terms			1.218 (.187)***	1.168 (.183)***	1.150 (.178)***	1.192 (.177)***
Same SMD			.431 (.204)**	.563 (.196)***	.653 (.194)***	.644 (.195)***
Government				-.511 (.175)***	-.542 (.177)***	-.540 (.176)***
Dominant party				-1.174 (.275)***	-1.233 (.270)***	-1.323 (.272)***
Competition					-.482 (.063)***	-.480 (.062)***
Margin					-3.954 (.969)***	-3.874 (.970)***
Gender						-.077 (.212)
Age						-.022 (.008)***
Intercept	.393 (.115)***	.293 (.153)	.201 (.218)	.133 (.213)	5.616 (.716)***	6.752 (.857)***
N	1959	1959	1959	1959	1959	1959
Adjusted R <sup>2</sup>	0.107	0.108	0.134	0.150	0.183	0.185

\* p<.1, \*\*p<.05, \*\*\*p<.01

Entries are unstandardized linear regression coefficients with standard errors in parentheses.

Figure 1. Continuous variable effects in Model6

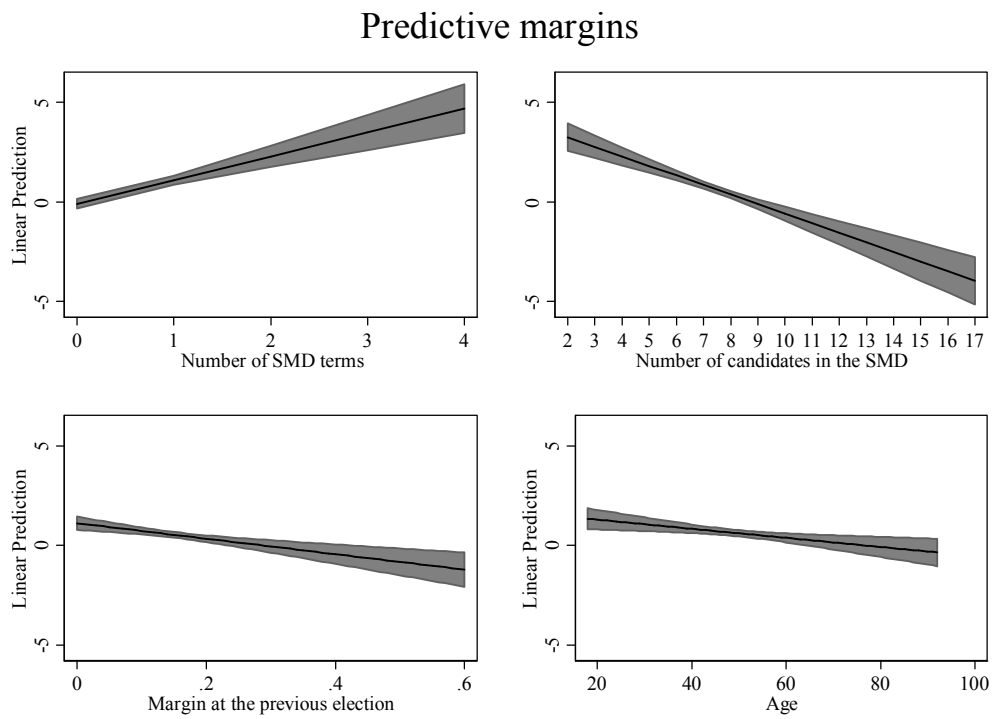


Table 3. Linear prediction of Model6 for the different elections

Elections	
1994	1.778 (.248)***
1998	1.629 (.253)***
2002	-.386 (.127)***
2006	-.473 (.243)*
2010	.714 (.286)**

\* p<.1, \*\*p<.05, \*\*\*p<.01

Entries are linear predictions with delta-method standard errors in parentheses

Figure 2. Predictive margins of ELECTION in Model6

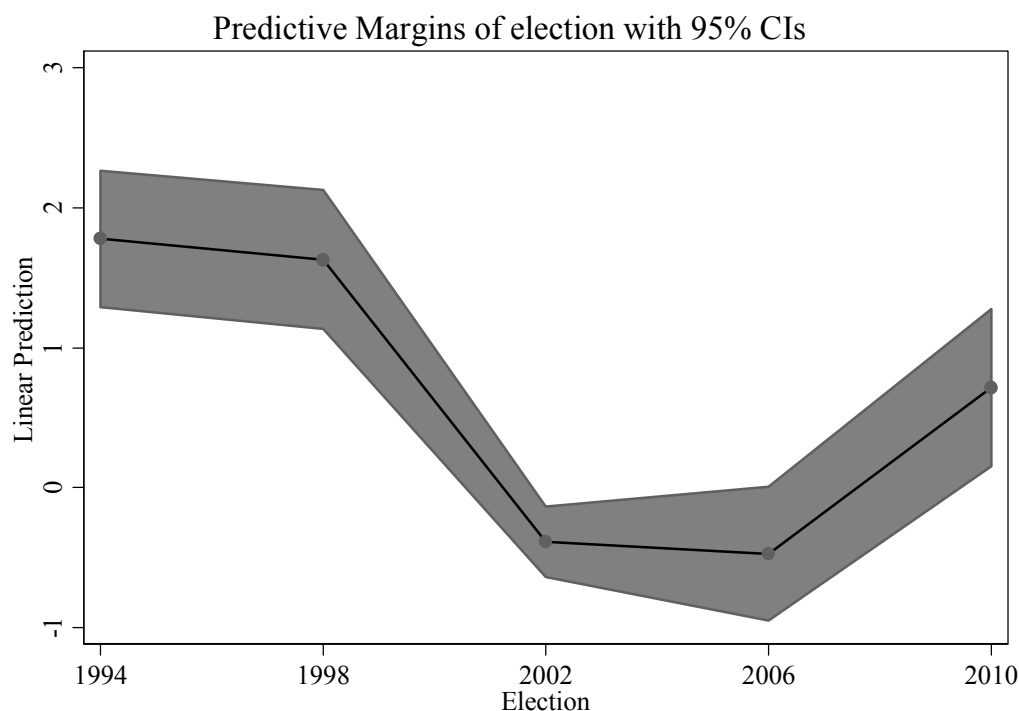


Table 4. Election\*Government and Election\*Dominant party interactions from the interaction model versions of Model6

Interaction variables	Model7	Model8
Election: 1998	.215 (.401)	.473 (.257)*
Election: 2002	-1.634 (.321)***	-1.340 (.343)***
Election: 2006	-1.869 (.516)***	-2.653 (.436)***
Election: 2010	-1.748 (.482)***	-2.212 (.477)***
Government	-.125 (.284)	
Election: 1998*Government	-.869 (.574)	
Election: 2002*Government	-1.227 (.395)***	
Election: 2006*Government	-.716 (.507)	
Election: 2010*Government	1.780 (.437)***	
Dominant party		-.526 (.342)
Election: 1998*Dominant party		-1.767 (.804)***
Election: 2002*Dominant party		-1.880 (.499)***
Election: 2006*Dominant party		.586 (.556)
Election: 2010*Dominant party		1.192 (.489)**
N	1959	1959
Adjusted R <sup>2</sup>	0.197	0.203

\* p<.1, \*\*p<.05, \*\*\*p<.01

Entries are unstandardized linear regression coefficients with standard errors in parentheses.

Control variables: Lagged dependent variable, Incumbent, List MP, Number of SMD terms, Same SMD, Government, Dominant party, Competition, Margin, Gender, Age

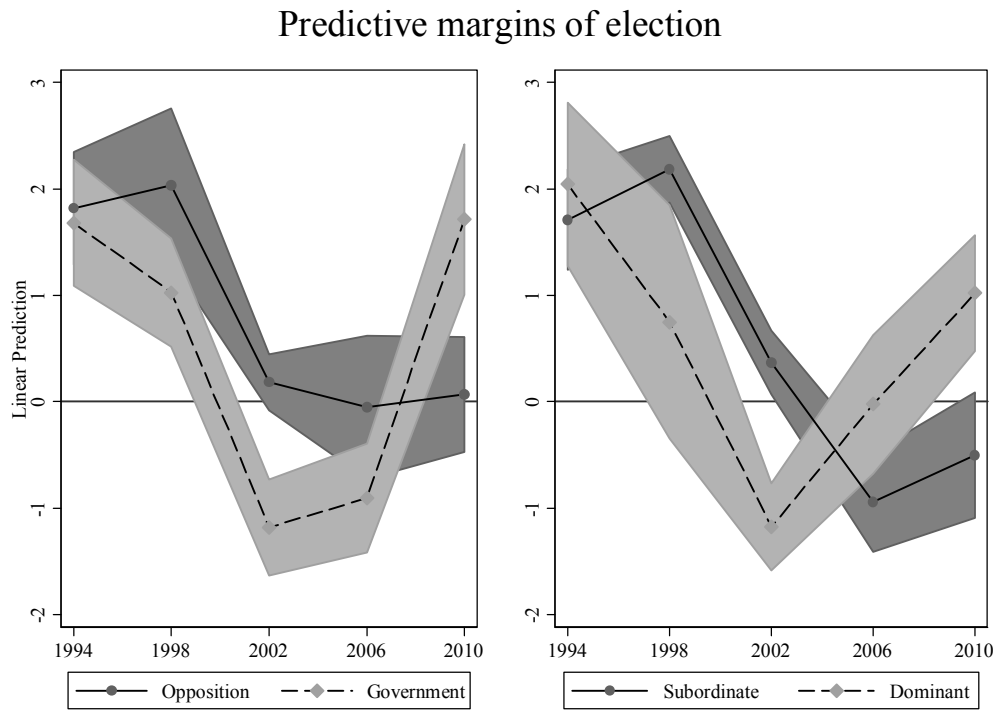
Table 5. Linear predictions for the interactions from Models 7 and 8

Election	Government*Election	Opposition*Election	Dominant*Election	Subordinate*Election
1994	1.681 (.301)***	1.817 (.270)***	2.044 (.390)***	1.710 (.240)***
1998	1.027 (.259)***	2.033 (.369)***	.750 (.560)	2.184 (.159)***
2002	-1.180 (.230)***	.183 (.135)	-1.177 (.208)***	.370 (.152)**
2006	-.904 (.260)***	-.052 (.343)	-.023 (.332)	-.943 (.236)***
2010	1.713 (.360)***	.069 (.276)	1.024 (.277)***	-.502 (.301)*

\* p<.1, \*\*p<.05, \*\*\*p<.01

Entries are linear predictions with delta method standard errors in parentheses

Figure 3. Predictive margins of the interaction variables from Models 7 and 8



*Table 6. Disentangling the effects of Dominant party. The Party: Fidesz\*Election and Party: MSZP\* Election interactions*

Interaction variables	Model9	Model10
Election: 1998	-.187 (.218)	.453 (.268)*
Election: 2002	1.194 (.296)***	-2.269 (.327)***
Election: 2006	-2.416 (.414)***	-2.418 (.463)***
Election: 2010	-.467 (.483)	-2.064 (.522)***
Party: Fidesz	1.157 (.459)**	
Election: 1998*Party: Fidesz	-.644 (1.208)	
Election: 2002* Party: Fidesz	-4.862 (.559)***	
Election: 2006* Party: Fidesz	-.945 (.781)	
Election: 2010* Party: Fidesz	-3.125 (.545)***	
Party: MSZP	.	-1.429 (.354)***
Election: 1998* Party: MSZP		-2.372 (.558)***
Election: 2002* Party: MSZP		.586 (.503)
Election: 2006* Party: MSZP		.653 (.588)
Election: 2010* Party: MSZP		2.605 (.655)***
N	1959	1959
Adjusted R <sup>2</sup>	0.211	0.214

\* p<.1, \*\*p<.05, \*\*\*p<.01

Entries are unstandardized linear regression coefficients with standard errors in parentheses.

Control variables: Lagged dependent variable, Incumbent, List MP, Number of SMD terms, Same SMD, Government, Competition, Margin, Gender, Age

*Table 7. Linear predictions for the interactions from Models 9 and 10*

Election	Fidesz*Election	Other party*Election	MSZP*Election	Other party*Election
1994	4.093 (.494)***	1.490 (.231)***	1.171 (.435)***	1.967 (.268)***
1998	3.261 (1.190)***	1.303 (.158)***	-.746 (.333)**	2.421 (.299)***
2002	-1.963 (.297)***	.296 (.127)**	-.511 (.299)*	-.302 (.135)**
2006	.731 (.606)	-.925 (.223)***	-.593 (.310)*	-.450 (.277)
2010	.501 (.299)	1.023 (.316)***	1.712 (.336)***	-.096 (.299)

\* p<.1, \*\*p<.05, \*\*\*p<.01

Entries are linear predictions with delta-method standard errors in parentheses

Figure 4. Predictive margins of the interaction variables from Models 9 and 10

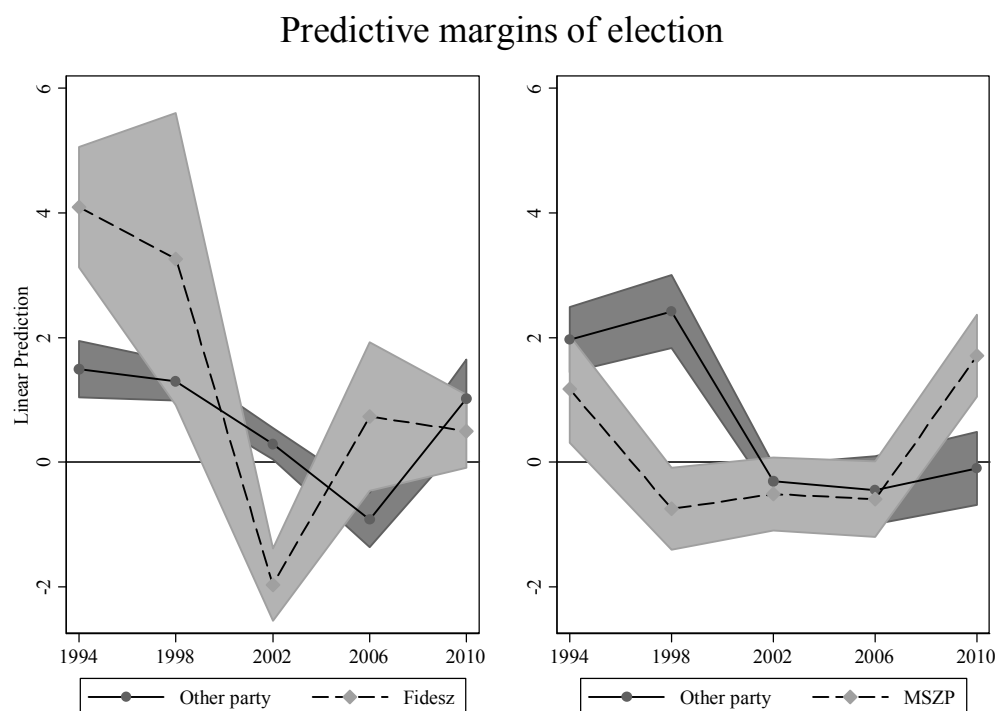


Table 8. Dominant party\*Incumbent interactions

Interaction variables	Model11
Dominant party	-.937 (.345)***
Incumbent	-.004 (.354)
Dominant party*Incumbent	-1.503 (.476)***

\* p<.1, \*\*p<.05, \*\*\*p<.01

Entries are unstandardized linear regression coefficients with standard errors in parentheses.

Control variables: Lagged dependent variable, Incumbent, List MP, Number of SMD terms, Same SMD, Government, Competition, Margin, Gender, Age

Table 9. Linear predictions for the interaction from Model 11

Subordinate*Challenger	.970 (.078)***
Subordinate*Incumbent	.966 (.317)***
Dominant*Challenger	1.121 (.362)***
Dominant*Incumbent	-.387 (.213)*

\* p<.1, \*\*p<.05, \*\*\*p<.01

Entries are linear predictions with delta-method standard errors in parentheses

Table 10. The effect of joint candidacy for the candidates of the dominant parties

	Model12	Model13	Model14
Party: MSZP	-1.247 (.234)***	-1.332 (.234)***	-1.116 (.244)***
Party: Fidesz	-2.340 (.415)***	-2.118 (.419)***	-3.709 (.589)***
Joint candidacy	1.556 (.477)***	1.264 (.500)**	.003 (.409)
Party: MSZP * Joint candidacy		2.954 (1.323)**	
Party: Fidesz * Joint candidacy			3.190 (.845)***

\* p<.1, \*\*p<.05, \*\*\*p<.01

Entries are unstandardized linear regression coefficients with standard errors in parentheses.

Control variables: Lagged dependent variable, Incumbent, List MP, Number of SMD terms, Same SMD, Government, Competition, Margin, Gender, Age

Table 11. Linear predictions for the interactions from Models 13 and 14

Party: not MSZP*Single candidacy	.445 (.148)***	Party: not Fidesz*Single candidacy	.664 (.064)***
Party: not MSZP*Joint candidacy	1.710 (.391)***	Party: not Fidesz*Joint candidacy	.667 (.403)*
Party: MSZP*Single candidacy	-.081 (.139)	Party: Fidesz*Single candidacy	-2.230 (.627)***
Party: MSZP* Joint candidacy	4.137 (1.232)***	Party: Fidesz*Joint candidacy	.963 (.325)***

\* p<.1, \*\*p<.05, \*\*\*p<.01

Entries are linear predictions with delta-method standard errors in parentheses

Figure 5. The effect of the vote share is SZDSZ in the case of candidates of MSZP (Model5, N=368, 2010 excluded,  $R^2 = .484$ ,  $B_{szdszvoteshare} = -.135$ , s.e. = .031)

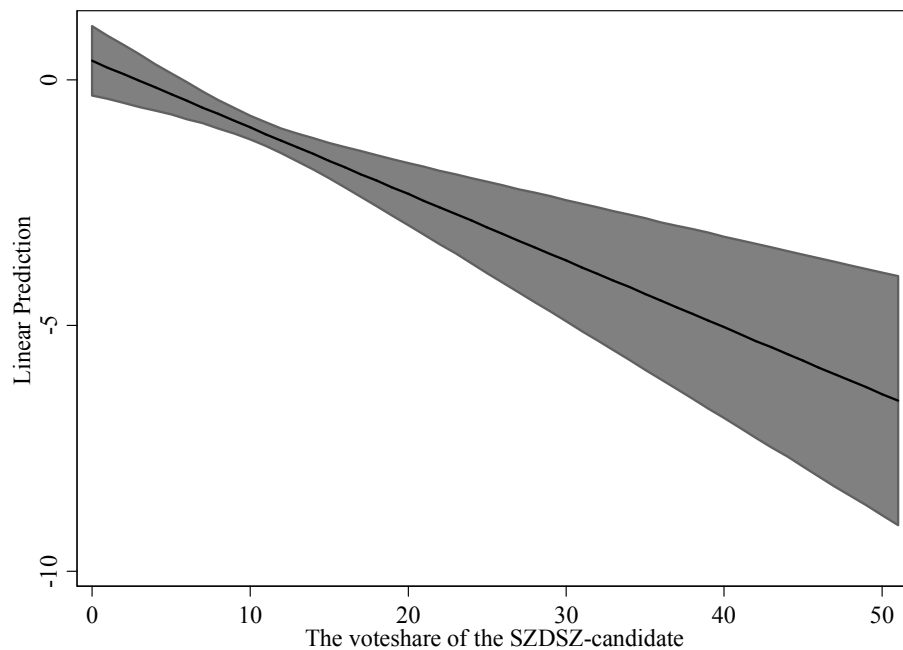




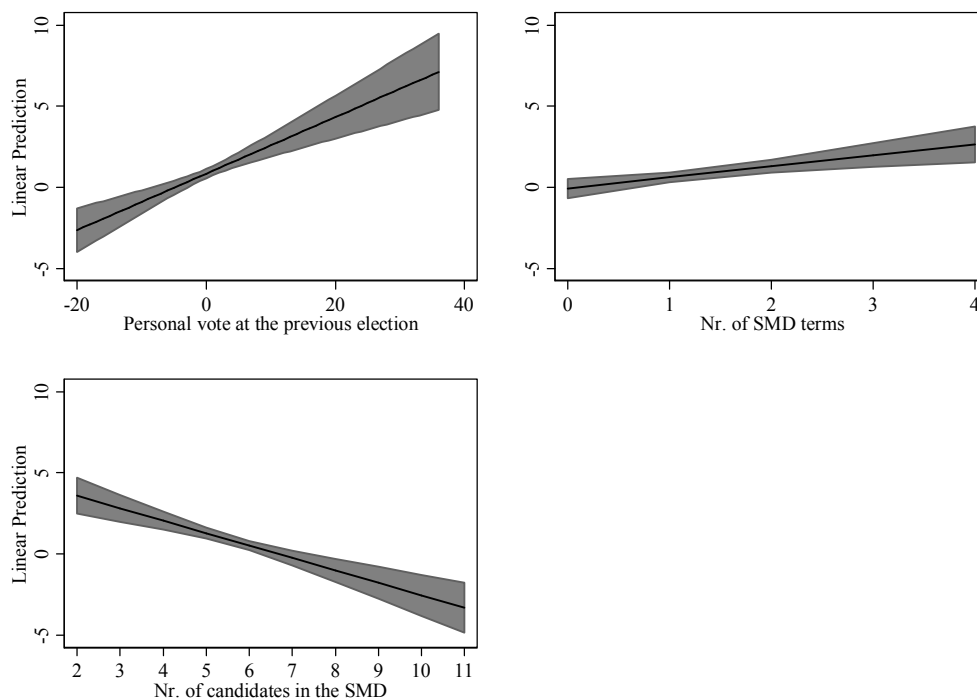
Table 12. The determinants of the Hungarian legislators' personal vote between 2002 and 2010

Variables	Model16	Model17
Lagged dependent variable	.186 (.033)***	.174 (.033)***
Election: 2006	-.300 (.502)	-.408 (.537)
Election: 2010	.441 (.484)	.312 (.488)
SMD incumbent	-1.076 (.453)**	-1.165 (.463)**
Nr. of SMD terms	.678 (.202)***	.679 (.203)***
Same SMD	-.147 (.592)	-.135 (.590)
Government	-.495 (.272)*	-.529 (.298)*
Dominant party	-.527 (.675)	-.521 (.711)
Competition	-.796 (.140)***	-.766 (.146)***
Margin	.775 (2.013)	.292 (2.001)
Gender	-.122 (.354)	-.134 (.353)
Age	-.025 (.016)	-.021 (.017)
Born in the SMD		.048 (.287)
Mayor		1.257 (.589)**
Local council member		-.107 (.415)
Minister		.900 (.500)
Party leader		.232 (.375)
Parliamentary position		.223 (.263)
Intercept	7.128 (1.653)***	6.552 (1.856)***
N	640	640
Adjusted R <sup>2</sup>	0.223	0.227

\* p<.1, \*\*p<.05, \*\*\*p<.01

Entries are unstandardized linear regression coefficients with standard errors in parentheses.

Figure 6. Continuous variable effects in Model17



*Table 13. Marginal effects of Incumbent and Mayor from Model17*

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Incumbent	.483 (.201)**
Challenger	1.649 (.352)***
Mayor	1.940 (.556)***
Not a mayor	.682 (.148)***

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\* p<.1, \*\*p<.05, \*\*\*p<.01

Entries are linear predictions with delta-method standard errors in parentheses