## Supplemental Materials for Dynamics of Gubernatorial Approval: Evidence from a New Database

In the text, I constrain the models to be based on the same sample to ensure that differences across dependent variables are not due to composition effects and I impute any gaps in series that are shorter than three quarters. Below I replicate the analysis in Table 3 with (1) all the available observations for each series in Table A1 and (2) without using any imputed data in Table A2. The results for honeymoons are essentially the same in the two additional specifications, although the roughly 0.5-0.6 point "jump" the governor gets at the start of their second term is statically significant in Table A2 but not in Table 3 or A1. The most important differences in the results between the results in Table 3 and those in Table A1 and A2 are the estimates of the effect of discrete events like resignations and deaths. The effects of resignation are larger when imputed surveys are not used in Table A2, which is not surprising given that the imputation process will not capture the effect of changing governors and so imputed measures in quarters where the survey was not conducted include estimated popularities for governors who are no longer in office. The dataset also does not include any quarters where governors died, so the immediate effect of that variable (which is already tenuous) is not estimated. Then the immediate effect of unemployment on approval is not quite significant at the 0.05 level in Table A1 or A2, although the substantive sizes of the effect are not different from the one estimated in Table 3. While these variables are not the main indicators of interest, readers should be aware of differences that might emerge from specification and especially consider that the usage of imputation can have impacts on the analysis of events and use different specifications to evaluate the robustness of key findings.

Table A1: Dynamics of Governor Approval, 1976-2019 for All States that are Available for Each Series.

	Relative		
	Approval	Approval	Disapproval
	[1]	[2]	[1]
Quarter 1, First Term	4.822*	0.956*	-7.364*
	(0.299)	(0.291)	(0.317)
Quarter 2, First Term	1.780*	0.869*	-2.591*
	(0.276)	(0.259)	(0.296)
Quarter 3, First Term	1.279*	1.065*	-1.279*
	(0.261)	(0.249)	(0.277)
Quarter 1, Second+ Term	0.650*	0.475	-0.750*
	(0.311)	(0.289)	(0.334)
Quarter 2, Second+ Term	0.226	0.279	-0.376
	(0.309)	(0.287)	(0.330)
Quarter 3, Second+ Term	0.025	0.093	0.115
	(0.292)	(0.269)	(0.312)
Unemployment in the State <sub>t</sub>	-0.178*	-0.127	0.245*
	(0.071)	(0.070)	(0.076)
Unemployment in the State <sub>t-1</sub>	-0.351*	-0.290*	0.338*

	(0.069)	(0.066)	(0.074)
Unemployment in the State <sub>t-2</sub>	-0.182*	-0.142	0.139*
	(0.072)	(0.070)	(0.076)
Elections Quarter	0.002	0.224	0.085
	(0.158)	(0.149)	(0.173)
Female	0.146	-0.406	-0.041
	(0.514)	(0.455)	(0.530)
Non-Elected Governor	2.263*	1.277*	-2.633*
	(0.482)	(0.458)	(0.522)
Governor Resigned that	3.243*	-0.023	-3.476*
Quarter	(0.602)	(0.577)	(0.667)
Governor Resigned that	2.326*	-0.162	-2.543*
Quarter <sub>t-1</sub>	(0.688)	(0.653)	(0.753)
Governor Resigned that	0.448	-0.350	-0.597
Quarter <sub>t-2</sub>	(0.582)	(0.561)	(0.640)
Governor Died that Quarter	2.235	1.075	-1.169
	(1.609)	(2.266)	(1.685)
Governor Died that Quarter <sub>t-1</sub>	-0.695	1.960	2.373
	(2.134)	(3.883)	(2.164)
Governor Died that Quarter <sub>t-2</sub>	1.186	3.128	-1.439
	(3.170)	(2.275)	(3.718)
Republican	-0.953*	-0.651*	1.176*
	(0.287)	(0.259)	(0.309)
Independent	-1.548	-1.034	1.919
	(1.231)	(1.320)	(1.277)
Constant	60.317*	53.867*	35.509*
	(0.657)	(0.572)	(0.691)
N Observations	4,677	4,736	4,617
N States	46	47	45
$\chi^2$	413.48*	86.35*	740.13*

Generalized least squares estimates with panel-specific AR(1) corrections and heteroskedastic consistent standard errors in parentheses;  $^*p < 0.05$  (two-tailed)

Table A2: Dynamics of Governor Approval, 1976-2019 using Only Quarters Where Data Was Actually Collected.

	Relative Approval	Approval [2]	Disapproval
Quarter 1, First Term	5.584*	0.915*	-8.493*
	(0.354)	(0.348)	(0.373)
Quarter 2, First Term	2.278*	0.982*	-3.293*
	(0.330)	(0.316)	(0.354)
Quarter 3, First Term	1.576*	1.079*	-1.749*

Quarter 1, Second+ Term         0.569         0.299         -0.673           Quarter 2, Second+ Term         0.265         0.342         -0.293           Quarter 3, Second+ Term         -0.034         (0.355)         (0.383)           Quarter 3, Second+ Term         -0.034         (0.057         0.232           (0.345)         (0.335)         (0.362)           Unemployment in the State <sub>1-1</sub> -0.234*         -0.181         0.323*           (0.097)         (0.097)         (0.102)           Unemployment in the State <sub>1-2</sub> -0.100         -0.081         0.079           (0.093)         (0.091)         (0.098)         0.079           Unemployment in the State <sub>1-2</sub> -0.100         -0.081         0.079           (0.093)         (0.091)         (0.098)         0.079           Unemployment in the State <sub>1-2</sub> -0.100         -0.081         0.079           (0.093)         (0.091)         (0.098)         0.0102           Unemployment in the State <sub>1-2</sub> -0.100         -0.081         0.079           (0.093)         (0.091)         (0.096)         (0.102)           Elections Quarter         -0.244         0.279         0.619           (0.591) <t< th=""><th></th><th>(0.312)</th><th>(0.303)</th><th>(0.331)</th></t<>		(0.312)	(0.303)	(0.331)
Quarter 2, Second+ Term         0.265 (0.364)         0.342 (0.355)         -0.293 (0.383)           Quarter 3, Second+ Term         -0.034 (0.345)         0.057 (0.335)         0.232 (0.362)           Unemployment in the Stateter (0.098)         -0.181 (0.098)         0.097 (0.097)         0.102)           Unemployment in the Stateter (0.098)         -0.414* (0.093)         -0.387* (0.091)         0.351* (0.098)           Unemployment in the Stateter (0.097)         -0.100 (0.097)         -0.081 (0.097)         0.079 (0.096)           Unemployment in the Stateter (0.097)         -0.100 (0.097)         0.096)         0.102)           Elections Quarter (0.097)         (0.096)         (0.102)           Elections Quarter (0.244)         0.279 (0.224)         0.245)           Female (0.227)         (0.224) (0.248)         (0.619 (0.227)           Non-Elected Governor (0.591)         (0.591) (0.591)         (0.548) (0.548)         (0.603)           Non-Elected Governor (0.090)         (0.097) (0.600)         (0.577) (0.577)         (0.644)           Governor Resigned that (0.791)         (0.751) (0.751)         (0.911)           Governor Resigned that (0.794)         (0.777) (0.777)         (0.862)           Governor Died that Quarter (0.752)         (0.714) (0.777)         (0.862)           Governor Died that Quarter	Quarter 1, Second+ Term	0.569	0.299	-0.673
Quarter 3, Second+ Term  Quarter 4, Quarter 1, Quarter 1, Quarter 2, Quarter 2, Quarter 1, Quarte		(0.370)	(0.363)	(0.388)
Quarter 3, Second+ Term         -0.034         0.057         0.232           Unemployment in the Statet         -0.234*         -0.181         0.323*           Unemployment in the Statet         -0.414*         -0.387*         0.351*           Unemployment in the Statet         -0.414*         -0.387*         0.351*           (0.093)         (0.091)         (0.098)           Unemployment in the Statet         -0.100         -0.081         0.079           (0.097)         (0.096)         (0.102)           Elections Quarter         -0.244         0.279         0.619           (0.227)         (0.224)         (0.245)           Female         -0.339         -0.337         0.717           (0.591)         (0.548)         (0.603)           Non-Elected Governor         2.101*         1.286*         -2.535*           (0.600)         (0.577)         (0.644)           Governor Resigned that         4.929*         -0.322         -5.875*           Quarter         (0.791)         (0.751)         (0.911)           Governor Resigned that         0.894         -0.544         -1.138           Quarter <sub>1-2</sub> (0.752)         (0.714)         (0.828)           Govern	Quarter 2, Second+ Term	0.265	0.342	-0.293
Unemployment in the State $(0.345)$ $(0.335)$ $(0.362)$ $(0.098)$ $(0.097)$ $(0.102)$ $(0.098)$ $(0.097)$ $(0.102)$ $(0.098)$ $(0.097)$ $(0.102)$ $(0.098)$ $(0.097)$ $(0.102)$ $(0.098)$ $(0.097)$ $(0.098)$ $(0.099)$ $(0.099)$ $(0.098)$ $(0.091)$ $(0.098)$ $(0.099)$ $(0.098)$ $(0.091)$ $(0.098)$ $(0.099)$		(0.364)	(0.355)	(0.383)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Quarter 3, Second+ Term	-0.034	0.057	0.232
Unemployment in the State $_{1-1}$ (0.098) (0.097) (0.102) (0.102) (0.093) (0.091) (0.098) (0.093) (0.091) (0.098) (0.098) (0.097) (0.098) (0.097) (0.098) (0.097) (0.098) (0.097) (0.098) (0.097) (0.098) (0.079) (0.097) (0.096) (0.102) (0.097) (0.096) (0.102) (0.227) (0.2244) (0.245) (0.227) (0.2244) (0.245) (0.591) (0.591) (0.548) (0.603) (0.591) (0.591) (0.548) (0.603) (0.591) (0.591) (0.548) (0.603) (0.591) (0.591) (0.548) (0.603) (0.591) (0.591) (0.548) (0.603) (0.577) (0.644) (0.600) (0.577) (0.644) (0.791) (0.751) (0.911) (0.751) (0.911) (0.791) (0.751) (0.911) (0.791) (0.777) (0.862) (0.794) (0.777) (0.862) (0.794) (0.777) (0.862) (0.752) (0.714) (0.828) (0.752) (0.714) (0.828) (0.603) (0.752) (0.714) (0.828) (0.603) (0.752) (0.714) (0.828) (0.603) (0.752) (0.335) (0.315) (0.358) (0.335) (0.315) (0.358) (0.358) (0.335) (0.315) (0.358) (0.358) (1.545) (1.545) (1.545) (1.580) (1.631) (0.792) (0.792) N Observations (0.698) (0.630) (0.729) N Observations (0.594) (0.698) (0.630) (0.729) N Observations (0.594) (0.698) (0.630) (0.729)		(0.345)	(0.335)	(0.362)
Unemployment in the State <sub>t-1</sub> Unemployment in the State <sub>t-2</sub> Unemployment in Une State Unemployment in Unemploymen	Unemployment in the State <sub>t</sub>	-0.234*	-0.181	0.323*
Unemployment in the State <sub>t-2</sub> Unemployment in the State <sub>t-2</sub>   (0.093)	- 4	(0.098)	(0.097)	(0.102)
Unemployment in the State <sub>t-2</sub>	Unemployment in the State <sub>t-1</sub>	-0.414*	-0.387*	0.351*
Countre	- 4	(0.093)	(0.091)	(0.098)
Elections Quarter	Unemployment in the State <sub>t-2</sub>	-0.100	-0.081	0.079
Colored   Colo	-	(0.097)	(0.096)	(0.102)
Female         -0.339         -0.337         0.717           (0.591)         (0.548)         (0.603)           Non-Elected Governor         2.101*         1.286*         -2.535*           (0.600)         (0.577)         (0.644)           Governor Resigned that         4.929*         -0.322         -5.875*           Quarter         (0.791)         (0.751)         (0.911)           Governor Resigned that         3.662*         -0.297         -4.367*           Quartert-1         (0.794)         (0.777)         (0.862)           Governor Resigned that         0.894         -0.544         -1.138           Quartert-2         (0.752)         (0.714)         (0.828)           Governor Died that Quarter         (omitted)         (omitted)         (omitted)           Governor Died that Quarter-1         5.653         0.259         0.786         (4.474)           Governor Died that Quarter-2         2.093         -0.580         -2.236         (4.948)         (4.617)         (4.467)           Republican         -1.126*         -0.694*         1.152*         (0.335)         (0.315)         (0.358)           Independent         -2.726         -2.070         3.403*         (1.545) <t< td=""><td>Elections Quarter</td><td>-0.244</td><td>0.279</td><td>, ,</td></t<>	Elections Quarter	-0.244	0.279	, ,
Non-Elected Governor	-	(0.227)	(0.224)	(0.245)
Non-Elected Governor         2.101*         1.286*         -2.535*           (0.600)         (0.577)         (0.644)           Governor Resigned that         4.929*         -0.322         -5.875*           Quarter         (0.791)         (0.751)         (0.911)           Governor Resigned that         3.662*         -0.297         -4.367*           Quartert-1         (0.794)         (0.777)         (0.862)           Governor Resigned that         0.894         -0.544         -1.138           Quartert-2         (0.752)         (0.714)         (0.828)           Governor Died that Quarter         (omitted)         (omitted)         (omitted)           Governor Died that Quarter-1         5.653         (0.259)         0.786           (4.953)         (4.623)         (4.474)           Governor Died that Quarter-2         2.093         -0.580         -2.236           (4.948)         (4.617)         (4.467)           Republican         -1.126*         -0.694*         1.152*           (0.335)         (0.315)         (0.358)           Independent         -2.726         -2.070         3.403*           (1.545)         (1.580)         (1.631)           Constant<	Female	-0.339	-0.337	0.717
Governor Resigned that		(0.591)	(0.548)	(0.603)
Governor Resigned that Quarter         4.929* (0.791) (0.751) (0.911)         -0.322 (0.751) (0.911)           Governor Resigned that Quarter <sub>t-1</sub> (0.794) (0.777) (0.862)         3.662* (0.794) (0.777) (0.862)         -0.297 (0.862)           Governor Resigned that Quarter <sub>t-2</sub> (0.794) (0.777) (0.862)         (0.894 (0.752) (0.714) (0.828)         -0.544 (0.828)           Governor Died that Quarter (0mitted) (0mitted) (0mitted)         (0.329 (0.786) (0.328) (0.325) (0.315) (0.328)         0.259 (0.786) (0.335) (0.315) (0.358)           Governor Died that Quarter <sub>t-2</sub> (0.93 (0.335) (0.315) (0.358) (0.315) (0.358)         -1.126* (0.335) (0.315) (0.358) (0.358)           Independent (1.545) (1.580) (1.631)         -2.726 (0.694) (0.630) (0.729)           N Observations (0.698) (0.630) (0.729)         3,594 (0.630) (0.729)           N States (44) (44) (44) (44) (44)	Non-Elected Governor	2.101*	1.286*	-2.535*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		(0.600)	(0.577)	(0.644)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Governor Resigned that	4.929*	-0.322	-5.875*
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Quarter	(0.791)	(0.751)	(0.911)
Governor Resigned that Quarter <sub>t-2</sub> 0.894         -0.544         -1.138           Quarter <sub>t-2</sub> (0.752)         (0.714)         (0.828)           Governor Died that Quarter         (omitted)         (omitted)         (omitted)           Governor Died that Quarter <sub>t-1</sub> 5.653         0.259         0.786           (4.953)         (4.623)         (4.474)           Governor Died that Quarter <sub>t-2</sub> 2.093         -0.580         -2.236           (4.948)         (4.617)         (4.467)           Republican         -1.126*         -0.694*         1.152*           (0.335)         (0.315)         (0.358)           Independent         -2.726         -2.070         3.403*           (1.545)         (1.580)         (1.631)           Constant         60.150*         54.099*         35.920*           (0.698)         (0.630)         (0.729)           N Observations         3,594         3,594         3,594           N States         44         44         44	Governor Resigned that	3.662*	-0.297	-4.367*
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Quarter <sub>t-1</sub>	(0.794)	(0.777)	(0.862)
Governor Died that Quarter         (omitted)         (omitted)         (omitted)           Governor Died that Quartert-1         5.653         0.259         0.786           (4.953)         (4.623)         (4.474)           Governor Died that Quartert-2         2.093         -0.580         -2.236           (4.948)         (4.617)         (4.467)           Republican         -1.126*         -0.694*         1.152*           (0.335)         (0.315)         (0.358)           Independent         -2.726         -2.070         3.403*           (1.545)         (1.580)         (1.631)           Constant         60.150*         54.099*         35.920*           (0.698)         (0.630)         (0.729)           N Observations         3,594         3,594         3,594           N States         44         44         44	Governor Resigned that	0.894	-0.544	-1.138
Governor Died that Quarter <sub>t-1</sub> Governor Died that Quarter <sub>t-2</sub> Governor Died that Quarter <sub>t-2</sub> Governor Died that Quarter <sub>t-2</sub> (4.953) (4.623) (4.474)  2.093 -0.580 -2.236 (4.948) (4.617) (4.467)  Republican  -1.126* -0.694* 1.152* (0.335) (0.315) (0.358)  Independent -2.726 -2.070 3.403* (1.545) (1.580) (1.631)  Constant  60.150* 54.099* 35.920* (0.698) (0.630) (0.729)  N Observations 3,594 3,594 44 44 44	Quarter <sub>t-2</sub>	(0.752)	(0.714)	(0.828)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Governor Died that Quarter	(omitted)	(omitted)	(omitted)
Governor Died that Quartert-2       2.093       -0.580       -2.236         (4.948)       (4.617)       (4.467)         Republican       -1.126*       -0.694*       1.152*         (0.335)       (0.315)       (0.358)         Independent       -2.726       -2.070       3.403*         (1.545)       (1.580)       (1.631)         Constant       60.150*       54.099*       35.920*         (0.698)       (0.630)       (0.729)         N Observations       3,594       3,594       3,594         N States       44       44       44	Governor Died that Quarter <sub>t-1</sub>	5.653	0.259	0.786
Governor Died that Quarter <sub>t-2</sub> 2.093       -0.580       -2.236         (4.948)       (4.617)       (4.467)         Republican       -1.126*       -0.694*       1.152*         (0.335)       (0.315)       (0.358)         Independent       -2.726       -2.070       3.403*         (1.545)       (1.580)       (1.631)         Constant       60.150*       54.099*       35.920*         (0.698)       (0.630)       (0.729)         N Observations       3,594       3,594       3,594         N States       44       44       44	-	(4.953)	(4.623)	(4.474)
Republican       -1.126*       -0.694*       1.152*         (0.335)       (0.315)       (0.358)         Independent       -2.726       -2.070       3.403*         (1.545)       (1.580)       (1.631)         Constant       60.150*       54.099*       35.920*         (0.698)       (0.630)       (0.729)         N Observations       3,594       3,594       3,594         N States       44       44       44	Governor Died that Quarter <sub>t-2</sub>	2.093	, ,	-2.236
Republican       -1.126*       -0.694*       1.152*         (0.335)       (0.315)       (0.358)         Independent       -2.726       -2.070       3.403*         (1.545)       (1.580)       (1.631)         Constant       60.150*       54.099*       35.920*         (0.698)       (0.630)       (0.729)         N Observations       3,594       3,594       3,594         N States       44       44       44	-	(4.948)	(4.617)	(4.467)
Independent       -2.726       -2.070       3.403*         (1.545)       (1.580)       (1.631)         Constant       60.150*       54.099*       35.920*         (0.698)       (0.630)       (0.729)         N Observations       3,594       3,594       3,594         N States       44       44       44	Republican		` ′	
Independent       -2.726       -2.070       3.403*         (1.545)       (1.580)       (1.631)         Constant       60.150*       54.099*       35.920*         (0.698)       (0.630)       (0.729)         N Observations       3,594       3,594       3,594         N States       44       44       44	•	(0.335)	(0.315)	(0.358)
Constant       60.150*       54.099*       35.920*         (0.698)       (0.630)       (0.729)         N Observations       3,594       3,594       3,594         N States       44       44       44	Independent	, ,	` ′	, , ,
(0.698)     (0.630)     (0.729)       N Observations     3,594     3,594     3,594       N States     44     44     44	•	(1.545)	(1.580)	(1.631)
(0.698)     (0.630)     (0.729)       N Observations     3,594     3,594     3,594       N States     44     44     44	Constant	` /	` ′	, , ,
N Observations         3,594         3,594         3,594           N States         44         44         44			(0.630)	(0.729)
N States 44 44 44	N Observations	·	, , , , , , , , , , , , , , , , , , , ,	` '
$\chi^2$ 420.50* 76.75* 753.68*	N States	44	· ·	1
	$\chi^2$	420.5o*	76.75*	753.68*

Generalized least squares estimates with panel-specific AR(1) corrections and heteroskedastic consistent standard errors in parentheses; \* p < 0.05 (two-tailed)