

Supplementary Information for “The Impact of Elections on Civic Attitudes: Causal Evidence from Kazakhstan’s Staggered Local Elections”*

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Contents

A	Sampled Villages	1
B	Sampling Rule Details	2
C	Principles of Research Ethics	3
D	Summary Statistics	4
E	Tables of All Estimates for Figures	5
F	Exploratory Analysis for Heterogeneous Treatment Effects	7
F.1	Political Efficacy	7
F.2	Political Awareness	9
F.3	Corruption	12
F.4	Expected Responsiveness	14
F.5	Conjoint Analysis of Preferred Akims	15
G	Estimated Effects on Political Efficacy Using Anchoring Vignettes	27

A Sampled Villages

Village	Oblast	Raion	Elected	Date of Election		
				Month	Day	Year
Enbek	Aktobe	Mugalzharskii (Mugalzhar)	1	September	25	2022
Sarzhansai	Aktobe	Martukskii (Martuk)	1	February	20	2022
Badamsha	Aktobe	Kargalinskii (Kargaly)	0			
Sarybie	Aktobe	Oiylskii (Oiyl)	0			
Taitobe	Akmola	Tselinogradskii (Tselinograd)	1	March	27	2022
Toktamys	Akmola	Bulandynskii (Bulandy)	1	September	25	2022
Novorybinka	Akmola	Akkolskii (Akkol)	0			
Zholymbet	Akmola	Shortandinskii (Shortandy)	0			
Shalkar	Almaty	Karasayskii (Karasai)	1	April		2022
Erkin	Almaty	Talgarskii (Talgar)	0			
Opytnoe Pole	East Kazakhstan	Glubokovskii (Glubokov)	1	August	28	2022
Sredigornoe	East Kazakhstan	Altayskii (Altay)	0			
Zhuantobe	Turkestan	Suzakskii (Suzak)	1	April	03	2022
Kyzylkiya	Turkestan	Kazygurtskii (Kazygurt)	1	February	13	2022
Shayan	Turkestan	Baidybekskii (Baidybek)	0			
Akbai	Turkestan	Sayramskii (Sayram)	0			
Aidarly	Kostanay	Karasuskii (Karasu)	1	February	13	2022
Presnogorkovka	Kostanay	Uzunkolskii (Uzunkol)	1	February	13	2022
Fyodorovka	Kostanay	Fyodorovskii (Fedorovka)	0			
Beregovoe	Kostanay	Beimbet Maylin	0			
Tolep	Mangystau	Beyneuskii (Beyneu)	1	March	06	2022
Mangistau	Mangystau	Munaylinskii (Munaily)	1	August	21	2022
Umirzak	Mangystau	Mangystauskii (Mangystau)	0			
Kuryk	Mangystau	Karakiyanskii (Karakiyan)	0			
Togyztarau	Zhambyl	Zhualinskii (Zhualy)	1	April	03	2022
Sarymoldaev	Zhambyl	Merkenskii (Merken)	1	February	20	2022
Kulan	Zhambyl	Turar Ryskulova	0			
Tole Bi	Zhambyl	Shuskii (Shu)	0			
Sagiz	Atyrau	Kyzylkoginskii (Kyzylkoga)	1	March	13	2022
Saraychik	Atyrau	Makhambetskii (Makhambet)	1	October	09	2022
Turgyzba	Atyrau	Zhylyoyskii (Zhylyoi)	0			
Zineden	Atyrau	Isatayskii (Isatay)	0			
Chapaevo	West Kazakhstan	Akzhayyskii (Akzhayik)	1	February	13	2022
Razdolnoe	West Kazakhstan	Bayterek	1	February	13	2022
Fyodorovka (Terekty)	West Kazakhstan	Terektinskii (Terekty)	0			
Taskala	West Kazakhstan	Taskalinskii (Taskala)	0			
Petrovka	Karaganda	Bukhar-Zhyrauskii (Bukhar Zhyrau)	0			
Kurma	Karaganda	Abayskii	1	April	10	2022
Urkendeu	Kyzylorda	Kazalinskii	1	March	27	2022
Terenozek	Kyzylorda	Syrdarynskii (Syrdariya)	1	February	20	2022
Besaryk (Talap)	Kyzylorda	Zhanakorganskii (Zhanakorgan)	0			
Akkum	Kyzylorda	Zholagashkii (Zholagash)	0			
Pavlodarskoe	Pavlodar	Pavlodarskii (Pavlodar)	1	November		2022
Mikhaylovka	Pavlodar	Zhelezinskii (Zhelezin)	1	January	30	2022
Yamyshevo	Pavlodar	Akkulinskii	0			
Uspenka	Pavlodar	Uspenskii	0			
Smirnov	North Kazakhstan	Akkayinskii (Akkayin)	1	February	27	2022
Arkhangelskoe	North Kazakhstan	Kyzylzharskii (Kyzylzhar)	1	February	27	2022
Vozvyshenka	North Kazakhstan	Magzhan Zhumabayev	0			
Yavlenka	North Kazakhstan	Esilskii	0			
Kengir	Ulytau	Zhezkazgan city	1	April	10	2022
Zhanaarka	Ulytau	Zhanaarkinskii (Zhanaarka)	0			
Ozerki	Abai	Semey	1	September	04	2022
Borodulikha	Abai	Borodulikhinskii (Borodulin)	0			
Zylikhi Tamshybai	Zhetysu	Koksuskii (Koksu)	1	April	03	2022
Karabulak	Zhetysu	Karatalskii (Karatal)	0			

Table A.1: Sampled Villages with Oblast and Raion Names, Treatment Status (“Elected”), and the Date of the Local Election Prior to the Survey. The exact election day in two villages could not be found (Shalkar and Pavlodarskoe).

B Sampling Rule Details

For each selected village, the starting points were defined by regional supervisors. Starting points are one of the following: administrative building, post office, school, bus station in the center of a village, the first house at the entrance of the village, or the last house. One of these options is selected randomly for each village.

Starting from the given address/point, an interviewer follows strict rules to select a household and a respondent within the selected household.

For the selection of households in single-dwelling, the random route method using the right-hand rule is used with the predefined interval of three to select the household (counting each third household, excluding the starting point). For the selection of households in multiple dwelling units, interviewers start on the top floor and work their way down, selecting every 6th apartment on the right.

After selecting the first household, interviewers apply the same principle for the selection of subsequent households, i.e., continue walking in the same direction, choosing the n th dwelling, and turning to the right at the end of the block.

In each selected household up to three contacts are attempted at different times of the day, days of the week, and the weekend within the fieldwork period to conduct a successful interview. In areas where the interviewer is not able to return on a different day, the interviewer makes attempts with at least a two-hour gap between each attempt before substituting the household.

The ultimate stage unit is respondents. Only one respondent is interviewed in each household. The “Last Birthday Method” is used to select a respondent if more than 1 adult person resides in one household. If there is no household adult member or if a potential respondent refused to take part in the survey, the interviewer continues to the next eligible household. If there is no one at home during the first visits, the interviewer visits the households up to 3 times.

C Principles of Research Ethics

It is important to adhere to the principles of research ethics in studies involving human subjects. Our survey addresses human subjects research ethics in the following manner.

Before each interview, the enumerator informed the respondent that the project was a research study. Interviews were conducted only after respondents understood the purpose of the project and agreed to participate. After the interview, respondents were debriefed about the survey’s objectives to minimize any potential social or individual impact of the research process.

The project did not involve any deception. In the list experiment, all items were based on factual information relevant to the country and did not involve any deceptive content. In the conjoint experiment, respondents compared hypothetical profiles of village chiefs, with all attributes and levels grounded in factual information.

We fairly compensated survey participants for an approximately 25-minute interview. Each respondent received a small gift—such as a box of tea or a large pack of cookies—valued at 2 to 2.5 USD, as a token of appreciation for their time. Given that the country’s minimum hourly wage in 2025 is approximately 1.04 USD, the honorarium represents a substantial amount.

D Summary Statistics

	Min	Median	Max	Mean	SD
Treatment					
Akim Election	0.000	0.500	1.000	0.500	0.500
Late Election	0.000	0.000	1.000	0.125	0.331
Covariates					
Kazakh Ethnicity	0.000	1.000	1.000	0.674	0.469
Paid Work	0.000	1.000	1.000	0.742	0.438
Higher Education	0.000	0.000	1.000	0.259	0.438
Kazakh Proportion in Raion	21.193	73.608	99.848	70.022	25.670
Income per Capita in Raion	213646.000	285952.000	830617.000	317882.696	104230.933
Proportion of Agricultural Population in Raion	4.453	31.258	61.957	29.568	14.994
Unemployment Rate in Raion	3.200	4.850	6.700	4.832	0.567
Outcome Variables					
Akims Care	1.000	3.000	5.000	3.079	1.079
How Much Say	1.000	3.000	5.000	2.836	1.158
Subjective Political Interest	0.000	2.000	4.000	1.870	1.252
Objective Knowledge of the Akim's Term	0.000	0.000	1.000	0.268	0.443
Objective Knowledge of the Akim's Selection	0.000	1.000	1.000	0.691	0.462
Expected Responsiveness	0.000	1.750	3.000	1.697	0.739
Corruption Tolerance (List 1)	0.000	2.000	5.000	2.298	1.180
Corruption Tolerance (List 2)	0.000	2.000	5.000	2.476	1.091
Corruption Experience (List 1)	0.000	2.000	5.000	2.465	1.124
Corruption Experience (List 2)	0.000	2.000	5.000	1.976	1.135

Table D.1: Summary Statistics of the Treatment, Covariates, and Outcome Variables. Statistics of all village- or raion- level variables are calculated at the individual level.

E Tables of All Estimates for Figures

Table E.1: Estimates, standard errors, and p-values for Figure 1.

Covariate name	Estimate	Clustered SE	p-value
Female	0.001	0.001	0.322
Age (18-29)	0.011	0.019	0.568
Age (30-39)	-0.012	0.014	0.406
Age (40-49)	0.005	0.016	0.762
Age (50-59)	0.001	0.017	0.946
Age 60+	-0.005	0.016	0.772
Ethnicity: Kazakh	0.063	0.083	0.452
Speak Kazakh at home	0.078	0.090	0.388
Education: Bachelor's or above	0.015	0.037	0.679
Not without paid jobs	-0.013	0.029	0.658

Variable	Diff	CI (lower)	CI (upper)	Equiv. CI (lower)	Equiv. CI (upper)
Unemployment Rate	0.200	-0.338	0.738	-0.637	0.637
Logged Income PC	0.005	-0.536	0.546	-0.005	0.005
Agricultural Prop.	-0.252	-0.789	0.284	-0.692	0.692
Logged Population	0.441	-0.087	0.968	-0.891	0.891
Kazakh Prop.	0.059	-0.481	0.600	-0.425	0.425
Russian Prop.	0.032	-0.509	0.572	-0.299	0.299
Male Prop.	-0.288	-0.823	0.247	-0.729	0.729
Working Prop.	0.143	-0.396	0.683	-0.572	0.572

Table E.2: Estimates and Confidence Intervals for Figure 2.

	Estimate	Standard Error
H1: Efficacy (akim care)	0.122	0.137
H1: Efficacy (how much say)	0.105	0.137
H2: Awareness (interest)	0.020	0.136
H2: Awareness (know term length)	0.066	0.055
H2: Awareness (know elected)	0.021	0.052
H4: Expected responsiveness	0.058	0.141

Table E.3: Point Estimates and Standard Errors for Figures 3, 4, and 6.

	Estimate	Standard Error
Tolerance (Elected)	0.164	0.036
Tolerance (Appointed)	0.181	0.049
Tolerance (Difference)	-0.017	0.061
Experience (Elected)	0.111	0.039
Experience (Appointed)	-0.056	0.050
Experience (Difference)	0.167	0.063

Table E.4: Estimates and Standard Errors for Figure 5.

Table E.5: Estimates table behind main text conjoint figure (Figure 7).

Attribute	Level	Elected		Appointed		Elected - Appointed	
		Estimate	SE	Estimate	SE	Estimate	SE
Age	25	0.465	0.012	0.474	0.014	-0.009	0.019
	35	0.560	0.009	0.579	0.010	-0.018	0.013
	45	0.569	0.013	0.572	0.012	-0.003	0.017
	55	0.510	0.011	0.512	0.009	-0.002	0.014
	65	0.393	0.010	0.366	0.011	0.027	0.015
Ethnicity	Kazakh	0.564	0.012	0.553	0.011	0.012	0.016
	Russian	0.439	0.011	0.448	0.010	-0.010	0.015
Gender	Female	0.462	0.006	0.462	0.005	0.000	0.008
	Male	0.537	0.006	0.538	0.005	-0.001	0.008
Party affiliation	AMANAT (previously Nur Otan)	0.507	0.009	0.507	0.009	0.000	0.013
	Ak Zhol	0.498	0.008	0.496	0.007	0.002	0.011
	People's Party of Kazakhstan	0.506	0.008	0.493	0.009	0.014	0.012
	Auyl Party	0.493	0.009	0.510	0.006	-0.017	0.011
	No party affiliation	0.497	0.009	0.492	0.007	0.005	0.011
Birthplace	Local village/county	0.552	0.009	0.528	0.008	0.024	0.012
	Local oblast	0.517	0.009	0.508	0.007	0.009	0.011
	Not local but Kazakhstan	0.488	0.008	0.506	0.008	-0.018	0.011
	Out of Kazakhstan	0.445	0.011	0.457	0.009	-0.013	0.014
Attitude towards the central power	Always follow center	0.467	0.010	0.468	0.014	-0.001	0.017
	Follow center, but incorporate local interests	0.514	0.011	0.521	0.010	-0.007	0.015
	Find local problems	0.500	0.007	0.501	0.005	-0.001	0.009
	Find and prioritize local problems	0.520	0.007	0.509	0.006	0.011	0.009
Attitude towards local petition	Not to listen petition/appeals	0.456	0.008	0.461	0.008	-0.004	0.012
	Listen petition/appeals	0.517	0.005	0.519	0.006	-0.002	0.008
	Listen and respond to petition/appeals	0.527	0.008	0.519	0.006	0.008	0.010
Promise on public policies	Infrastructure	0.527	0.011	0.540	0.016	-0.013	0.020
	Local security	0.474	0.010	0.453	0.009	0.021	0.014
	Local business	0.480	0.009	0.496	0.011	-0.016	0.014
	Local farms	0.513	0.011	0.507	0.010	0.006	0.015
	Support poors	0.548	0.012	0.546	0.010	0.002	0.016
	Support minorities	0.462	0.013	0.464	0.013	-0.002	0.018
	Support women	0.494	0.008	0.499	0.010	-0.005	0.013

F Exploratory Analysis for Heterogeneous Treatment Effects

F.1 Political Efficacy

	Estimate	Standard Error	<i>p</i> -value
Intercept	3.017	0.094	0.000
Early Election	0.225	0.123	0.078
Late Election	0.252	0.185	0.328
Kazakh Ethnicity	0.049	0.119	0.686
Paid Work	-0.032	0.096	0.740
Higher Education	0.216	0.089	0.023
Kazakh Proportion in Raion	-0.006	0.005	0.234
Income per Capita in Raion	0.000	0.000	0.276
Proportion of Agricultural Population in Raion	-0.005	0.007	0.497
Unemployment Rate in Raion	-0.010	0.153	0.951
Early Election×Kazakh Ethnicity	0.065	0.239	0.788
Late Election×Kazakh Ethnicity	0.280	0.312	0.417
Early Election×Paid Work	0.029	0.133	0.825
Late Election×Paid Work	-0.243	0.155	0.156
Early Election×Higher Education	-0.113	0.136	0.414
Late Election×Higher Education	-0.161	0.145	0.296
Early Election×Kazakh Proportion in Raion	-0.004	0.008	0.627
Late Election×Kazakh Proportion in Raion	0.006	0.016	0.734
Early Election×Income per Capita in Raion	-0.000	0.000	0.617
Late Election×Income per Capita in Raion	-0.000	0.000	0.218
Early Election×Proportion of Agricultural Population in Raion	0.015	0.011	0.186
Late Election×Proportion of Agricultural Population in Raion	0.004	0.014	0.815
Early Election×Unemployment Rate in Raion	0.118	0.250	0.647
Late Election×Unemployment Rate in Raion	0.028	0.381	0.947
Residual Variance		1.089	
Clusters		56	
Observations		1606	

Table F.1: Regression Estimates: the **Akims Care** Outcome Variable. As suggested by Lin (2013), demeaned covariates are included in the regression specification and interacted with the treatment. CR2 standard errors (Bell and McCaffrey, 2002; Pustejovsky and Tipton, 2018) clustered at the village level are used. The treatment villages are grouped into two categories: those that had early elections (January-April 2022) and those that had late elections (August-November 2022). Neither treatment nor interaction terms are statistically significant at the .05 level.

	Estimate	Standard Error	<i>p</i> -value
Intercept	2.819	0.090	0.000
Early Election	0.176	0.128	0.182
Late Election	0.087	0.142	0.614
Kazakh Ethnicity	0.204	0.154	0.201
Paid Work	−0.013	0.065	0.844
Higher Education	0.238	0.122	0.063
Kazakh Proportion in Raion	−0.001	0.005	0.849
Income per Capita in Raion	0.000	0.000	0.245
Proportion of Agricultural Population in Raion	−0.008	0.007	0.283
Unemployment Rate in Raion	0.235	0.159	0.205
Early Election x Kazakh Ethnicity	0.022	0.287	0.940
Late Election x Kazakh Ethnicity	0.268	0.215	0.276
Early Election x Paid Work	−0.033	0.105	0.757
Late Election x Paid Work	0.024	0.189	0.901
Early Election x Higher Education	−0.046	0.181	0.802
Late Election x Higher Education	−0.219	0.148	0.171
Early Election x Kazakh Proportion in Raion	−0.003	0.009	0.720
Late Election x Kazakh Proportion in Raion	0.008	0.008	0.390
Early Election x Income per Capita in Raion	−0.000	0.000	0.670
Late Election x Income per Capita in Raion	−0.000	0.000	0.112
Early Election x Proportion of Agricultural Population in Raion	0.023	0.011	0.061
Late Election x Proportion of Agricultural Population in Raion	0.003	0.011	0.801
Early Election x Unemployment Rate in Raion	−0.055	0.262	0.838
Late Election x Unemployment Rate in Raion	0.050	0.258	0.862
Residual Variance		1.252	
Clusters		56	
Observations		1615	

Table F.2: Regression Estimates: the **How Much Say** Outcome Variable. Estimation is done identically to Table F.1. Neither treatment nor interaction terms are statistically significant at the .05 level.

F.2 Political Awareness

	Estimate	Standard Error	<i>p</i> -value
Intercept	1.862	0.113	0.000
Early Election	-0.023	0.139	0.868
Late Election	0.367	0.270	0.331
Kazakh Ethnicity	-0.066	0.154	0.671
Paid Work	0.203	0.144	0.171
Higher Education	0.282	0.111	0.019
Kazakh Proportion in Raion	-0.005	0.005	0.370
Income per Capita in Raion	0.000	0.000	0.983
Proportion of Agricultural Population in Raion	0.001	0.007	0.887
Unemployment Rate in Raion	0.149	0.153	0.379
Early Election×Kazakh Ethnicity	-0.208	0.264	0.440
Late Election×Kazakh Ethnicity	0.489	0.356	0.237
Early Election×Paid Work	-0.040	0.186	0.832
Late Election×Paid Work	-0.213	0.262	0.438
Early Election×Higher Education	0.154	0.164	0.355
Late Election×Higher Education	0.293	0.225	0.225
Early Election×Kazakh Proportion in Raion	0.003	0.008	0.710
Late Election×Kazakh Proportion in Raion	0.010	0.013	0.497
Early Election×Income per Capita in Raion	-0.000	0.000	0.636
Late Election×Income per Capita in Raion	-0.000	0.000	0.390
Early Election×Proportion of Agricultural Population in Raion	0.000	0.009	0.960
Late Election×Proportion of Agricultural Population in Raion	-0.017	0.015	0.318
Early Election×Unemployment Rate in Raion	-0.134	0.217	0.553
Late Election×Unemployment Rate in Raion	-0.978	0.464	0.150
Residual Variance		1.508	
Clusters		56	
Observations		1651	

Table F.3: Regression Estimates: the **Subjective Political Interest** Outcome Variable. Estimation is done identically to Table F.1. Neither treatment nor interaction terms are statistically significant at the .05 level.

	Estimate	Standard Error	<i>p</i> -value
Intercept	0.230	0.037	0.000
Early Election	0.084	0.067	0.225
Late Election	0.204	0.120	0.257
Kazakh Ethnicity	-0.025	0.049	0.608
Paid Work	-0.024	0.040	0.563
Higher Education	0.045	0.035	0.208
Kazakh Proportion in Raion	-0.001	0.002	0.756
Income per Capita in Raion	-0.000	0.000	0.765
Proportion of Agricultural Population in Raion	0.001	0.003	0.663
Unemployment Rate in Raion	-0.026	0.085	0.775
Early Election×Kazakh Ethnicity	0.042	0.108	0.701
Late Election×Kazakh Ethnicity	0.157	0.120	0.255
Early Election×Paid Work	0.018	0.053	0.738
Late Election×Paid Work	-0.024	0.064	0.714
Early Election×Higher Education	0.022	0.070	0.751
Late Election×Higher Education	0.053	0.055	0.357
Early Election×Kazakh Proportion in Raion	-0.001	0.003	0.802
Late Election×Kazakh Proportion in Raion	0.002	0.006	0.781
Early Election×Income per Capita in Raion	0.000	0.000	0.581
Late Election×Income per Capita in Raion	-0.000	0.000	0.378
Early Election×Proportion of Agricultural Population in Raion	-0.001	0.006	0.820
Late Election×Proportion of Agricultural Population in Raion	-0.007	0.008	0.461
Early Election×Unemployment Rate in Raion	0.107	0.175	0.555
Late Election×Unemployment Rate in Raion	-0.178	0.198	0.451
Residual Variance		0.190	
Clusters		56	
Observations		1665	

Table F.4: Regression Estimates: the **Objective Knowledge of the Akim’s Term Length** Outcome Variable. Estimation is done identically to Table F.1. Neither treatment nor interaction terms are statistically significant at the .05 level.

	Estimate	Standard Error	<i>p</i> -value
Intercept	0.676	0.032	0.000
Early Election	0.052	0.052	0.321
Late Election	0.096	0.146	0.591
Kazakh Ethnicity	0.022	0.052	0.671
Paid Work	0.057	0.048	0.246
Higher Education	-0.118	0.043	0.011
Kazakh Proportion in Raion	-0.003	0.001	0.053
Income per Capita in Raion	-0.000	0.000	0.387
Proportion of Agricultural Population in Raion	-0.001	0.003	0.794
Unemployment Rate in Raion	-0.072	0.061	0.299
Early Election×Kazakh Ethnicity	0.003	0.119	0.982
Late Election×Kazakh Ethnicity	-0.048	0.087	0.611
Early Election×Paid Work	-0.031	0.058	0.594
Late Election×Paid Work	-0.128	0.073	0.118
Early Election×Higher Education	0.255	0.060	0.000
Late Election×Higher Education	0.222	0.090	0.036
Early Election×Kazakh Proportion in Raion	-0.002	0.004	0.643
Late Election×Kazakh Proportion in Raion	0.008	0.008	0.384
Early Election×Income per Capita in Raion	0.000	0.000	0.044
Late Election×Income per Capita in Raion	-0.000	0.000	0.459
Early Election×Proportion of Agricultural Population in Raion	0.005	0.004	0.284
Late Election×Proportion of Agricultural Population in Raion	-0.006	0.008	0.547
Early Election×Unemployment Rate in Raion	0.251	0.119	0.062
Late Election×Unemployment Rate in Raion	-0.150	0.274	0.633
Residual Variance		0.203	
Clusters		56	
Observations		1665	

Table F.5: Regression Estimates: the **Objective Knowledge of the Akim’s Selection Outcome Variable**. Estimation is done identically to Table F.1. An election in the early period (January-April 2022) is estimated to have a positive effect on the knowledge of the fact that the akim is publicly elected among those with higher education and the estimate is statistically significant at the .05 level.

F.3 Corruption

	Estimate	Standard Error	<i>p</i> -value
Intercept	0.191	0.056	0.001
Early Election	0.015	0.070	0.830
Late Election	-0.160	0.071	0.029
Kazakh Proportion in Raion	0.002	0.002	0.273
Income per Capita in Raion	-0.000	0.000	0.272
Proportion of Agricultural Population in Raion	-0.003	0.004	0.491
Unemployment Rate in Raion	0.026	0.080	0.748
Early Election×Kazakh Proportion in Raion	-0.008	0.004	0.030
Late Election×Kazakh Proportion in Raion	-0.001	0.003	0.834
Early Election×Income per Capita in Raion	0.000	0.000	0.050
Late Election×Income per Capita in Raion	0.000	0.000	0.014
Early Election×Proportion of Agricultural Population in Raion	0.004	0.005	0.442
Late Election×Proportion of Agricultural Population in Raion	0.005	0.005	0.276
Early Election×Unemployment Rate in Raion	0.022	0.106	0.840
Late Election×Unemployment Rate in Raion	0.008	0.105	0.939
Residual Variance		0.053	
Observations		56	

Table F.6: Regression Estimates: the **Corruption Tolerance** Outcome Variable. Regression is run at the village level where the outcome variable is the estimated prevalence for each village and the covariates are demeaned. HC2 standard errors are used. The treatment villages are grouped into two categories: those that had early elections (January-April 2022) and those that had late elections (August-November 2022). All *p*-values below .05 do not pass the Benjamini-Hochberg procedure with the FDR at .05.

	Estimate	Standard Error	<i>p</i> -value
Intercept	−0.057	0.050	0.265
Early Election	0.187	0.063	0.005
Late Election	0.136	0.097	0.169
Kazakh Proportion in Raion	0.001	0.002	0.635
Income per Capita in Raion	0.000	0.000	0.217
Proportion of Agricultural Population in Raion	0.003	0.006	0.666
Unemployment Rate in Raion	0.096	0.105	0.363
Early Election×Kazakh Proportion in Raion	−0.000	0.003	0.985
Late Election×Kazakh Proportion in Raion	−0.006	0.007	0.425
Early Election×Income per Capita in Raion	−0.000	0.000	0.683
Late Election×Income per Capita in Raion	0.000	0.000	0.976
Early Election×Proportion of Agricultural Population in Raion	0.003	0.007	0.652
Late Election×Proportion of Agricultural Population in Raion	−0.002	0.008	0.790
Early Election×Unemployment Rate in Raion	0.066	0.146	0.656
Late Election×Unemployment Rate in Raion	−0.361	0.205	0.087
Residual Variance	0.053		
Observations	56		

Table F.7: Regression Estimates: the **Corruption Experience** Outcome Variable. Estimation is conducted identically to Table F.6. The statistical significance of the coefficient on the Early Election treatment is sustained by the BH procedure, which suggests that the effect of experiencing an akim election takes time to materialize.

F.4 Expected Responsiveness

	Estimate	Standard Error	<i>p</i> -value
Intercept	1.712	0.107	0.000
Early Election	0.041	0.149	0.787
Late Election	0.426	0.305	0.332
Kazakh Ethnicity	0.261	0.106	0.031
Paid Work	-0.028	0.079	0.726
Higher Education	0.103	0.066	0.142
Kazakh Proportion in Raion	-0.005	0.006	0.459
Income per Capita in Raion	-0.000	0.000	0.721
Proportion of Agricultural Population in Raion	-0.001	0.007	0.847
Unemployment Rate in Raion	-0.072	0.124	0.588
Early Election×Kazakh Ethnicity	-0.367	0.175	0.053
Late Election×Kazakh Ethnicity	-0.035	0.201	0.880
Early Election×Paid Work	-0.131	0.114	0.266
Late Election×Paid Work	0.193	0.132	0.286
Early Election×Higher Education	-0.049	0.120	0.689
Late Election×Higher Education	-0.106	0.192	0.643
Early Election×Kazakh Proportion in Raion	0.005	0.010	0.602
Late Election×Kazakh Proportion in Raion	0.011	0.010	0.368
Early Election×Income per Capita in Raion	-0.000	0.000	0.710
Late Election×Income per Capita in Raion	-0.000	0.000	0.226
Early Election×Proportion of Agricultural Population in Raion	-0.004	0.013	0.785
Late Election×Proportion of Agricultural Population in Raion	-0.010	0.016	0.583
Early Election×Unemployment Rate in Raion	-0.064	0.275	0.821
Late Election×Unemployment Rate in Raion	0.600	0.349	0.223
Residual Variance		1.430	
Clusters		56	
Observations		1411	

Table F.8: Regression Estimates: the **Expected Responsiveness** Outcome Variable. Estimation is done identically to Table F.1, except that each observation is weighted in the same manner as in the main analysis where the weight of each observation is the reciprocal of Equation (9). Neither treatment nor interaction terms are statistically significant at the .05 level.

F.5 Conjoint Analysis of Preferred Akims

F.5.1 Raion-level Covariates

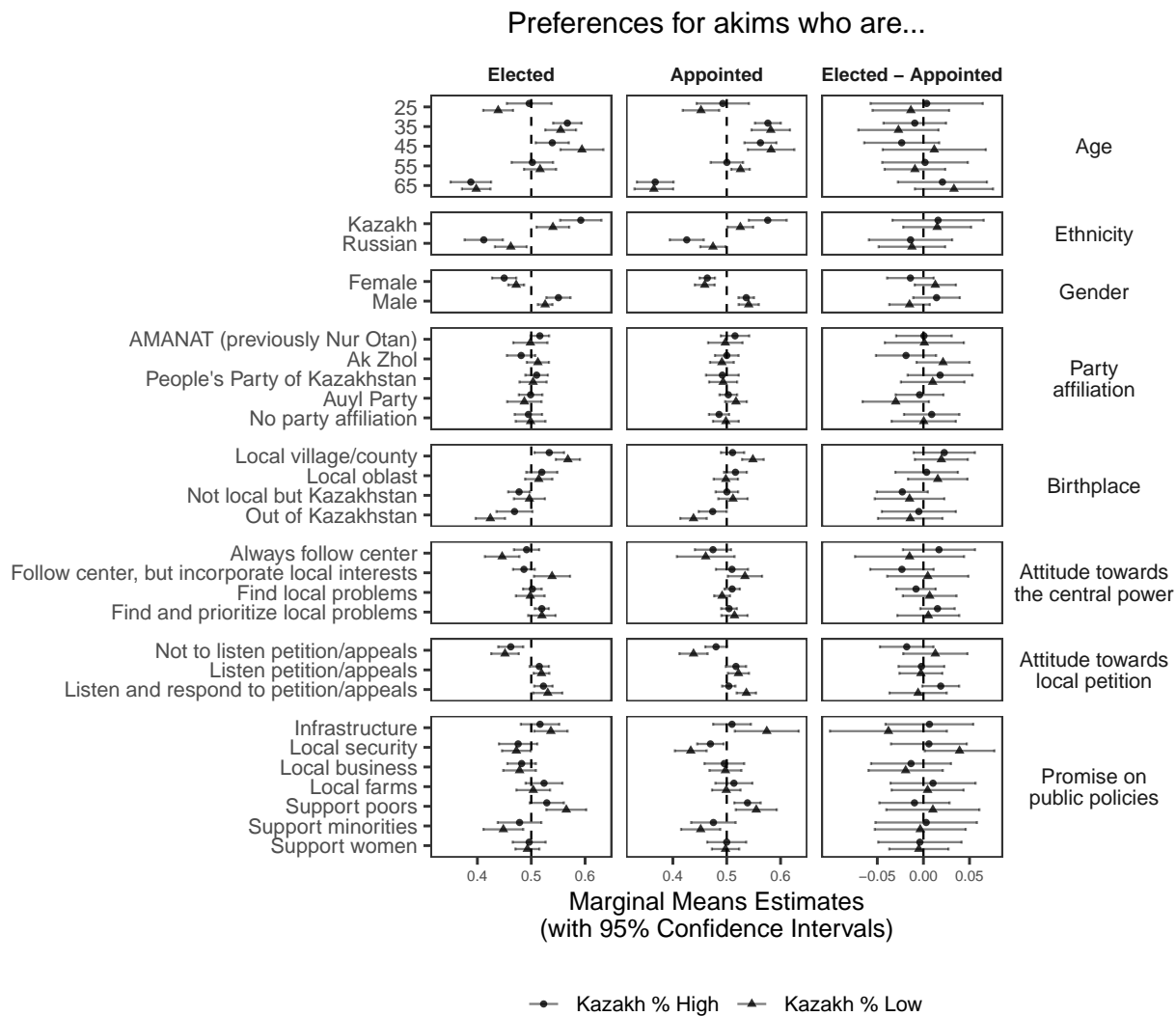


Figure F.1: The effect of introducing election on preferred features of akims in raions with high and low proportion of Kazakhs.

Table F.9: Estimates table behind Figure F.1 (high)

Attribute	Level	Elected		Appointed		Elected - Appointed	
		Estimate	SE	Estimate	SE	Estimate	SE
Age	25	0.496	0.019	0.493	0.023	0.004	0.030
	35	0.567	0.012	0.576	0.011	-0.009	0.017
	45	0.539	0.014	0.563	0.014	-0.024	0.020
	55	0.502	0.018	0.500	0.014	0.002	0.023
	65	0.388	0.017	0.367	0.016	0.021	0.024
Ethnicity	Kazakh	0.592	0.018	0.576	0.016	0.016	0.024
	Russian	0.412	0.016	0.426	0.015	-0.014	0.022
Gender	Female	0.450	0.010	0.464	0.007	-0.014	0.012
	Male	0.550	0.010	0.536	0.007	0.014	0.012
Party affiliation	AMANAT (previously Nur Otan)	0.516	0.008	0.515	0.012	0.001	0.015
	Ak Zhol	0.481	0.012	0.500	0.010	-0.019	0.016
	People's Party of Kazakhstan	0.510	0.010	0.492	0.014	0.018	0.017
	Auyl Party	0.499	0.010	0.503	0.008	-0.004	0.013
	No party affiliation	0.495	0.012	0.486	0.009	0.009	0.015
Birthplace	Local village/county	0.533	0.013	0.511	0.010	0.023	0.016
	Local oblast	0.520	0.013	0.516	0.010	0.003	0.017
	Not local but Kazakhstan	0.477	0.009	0.500	0.010	-0.023	0.013
	Out of Kazakhstan	0.469	0.015	0.474	0.012	-0.005	0.020
	Always follow center	0.491	0.011	0.474	0.016	0.017	0.019
Attitude towards the central power	Follow center, but incorporate local interests	0.486	0.009	0.510	0.014	-0.023	0.017
	Find local problems	0.502	0.008	0.510	0.007	-0.008	0.010
	Find and prioritize local problems	0.520	0.006	0.504	0.007	0.015	0.009
Attitude towards local petition	Not to listen petition/appeals	0.462	0.011	0.480	0.009	-0.018	0.014
	Listen petition/appeals	0.515	0.008	0.517	0.009	-0.002	0.012
	Listen and respond to petition/appeals	0.523	0.008	0.504	0.006	0.019	0.010
Promise on public policies	Infrastructure	0.516	0.016	0.510	0.016	0.006	0.023
	Local security	0.476	0.016	0.470	0.011	0.006	0.020
	Local business	0.482	0.012	0.496	0.017	-0.013	0.021
	Local farms	0.524	0.016	0.513	0.016	0.010	0.022
	Support poors	0.529	0.015	0.539	0.011	-0.010	0.019
	Support minorities	0.478	0.019	0.475	0.019	0.003	0.027
	Support women	0.496	0.014	0.500	0.017	-0.004	0.022

Table F.10: Estimates table behind Figure F.1 (low)

Attribute	Level	Elected		Appointed		Elected - Appointed	
		Estimate	SE	Estimate	SE	Estimate	SE
Age	25	0.439	0.013	0.452	0.016	-0.014	0.020
	35	0.555	0.013	0.582	0.016	-0.027	0.021
	45	0.594	0.019	0.582	0.020	0.012	0.027
	55	0.516	0.014	0.526	0.008	-0.009	0.016
	65	0.398	0.012	0.365	0.017	0.033	0.021
Ethnicity	Kazakh	0.540	0.014	0.525	0.011	0.015	0.018
	Russian	0.462	0.014	0.475	0.011	-0.012	0.018
Gender	Female	0.472	0.007	0.459	0.008	0.013	0.011
	Male	0.526	0.006	0.541	0.009	-0.015	0.011
Party affiliation	AMANAT (previously Nur Otan)	0.498	0.015	0.497	0.015	0.001	0.021
	Ak Zhol	0.512	0.010	0.491	0.010	0.021	0.014
	People's Party of Kazakhstan	0.503	0.012	0.493	0.012	0.010	0.017
	Auyl Party	0.487	0.015	0.517	0.009	-0.030	0.018
	No party affiliation	0.499	0.013	0.498	0.011	0.000	0.017
Birthplace	Local village/county	0.568	0.010	0.549	0.009	0.019	0.014
	Local oblast	0.514	0.012	0.498	0.010	0.016	0.016
	Not local but Kazakhstan	0.497	0.013	0.512	0.013	-0.015	0.018
	Out of Kazakhstan	0.424	0.013	0.438	0.011	-0.014	0.017
	Always follow center	0.446	0.015	0.461	0.025	-0.015	0.029
Attitude towards the central power	Follow center, but incorporate local interests	0.539	0.016	0.534	0.015	0.005	0.021
	Find local problems	0.498	0.012	0.491	0.007	0.007	0.014
	Find and prioritize local problems	0.520	0.012	0.514	0.011	0.005	0.016
Attitude towards local petition	Not to listen petition/appeals	0.451	0.012	0.438	0.012	0.013	0.017
	Listen petition/appeals	0.519	0.007	0.522	0.009	-0.003	0.011
	Listen and respond to petition/appeals	0.531	0.013	0.536	0.008	-0.006	0.015
Promise on public policies	Infrastructure	0.536	0.014	0.574	0.027	-0.038	0.031
	Local security	0.472	0.012	0.433	0.014	0.039	0.018
	Local business	0.478	0.014	0.498	0.014	-0.019	0.020
	Local farms	0.504	0.015	0.499	0.012	0.005	0.019
	Support poors	0.565	0.017	0.555	0.017	0.010	0.025
	Support minorities	0.448	0.017	0.452	0.017	-0.003	0.024
	Support women	0.493	0.010	0.498	0.012	-0.005	0.016

Preferences for akims who are...

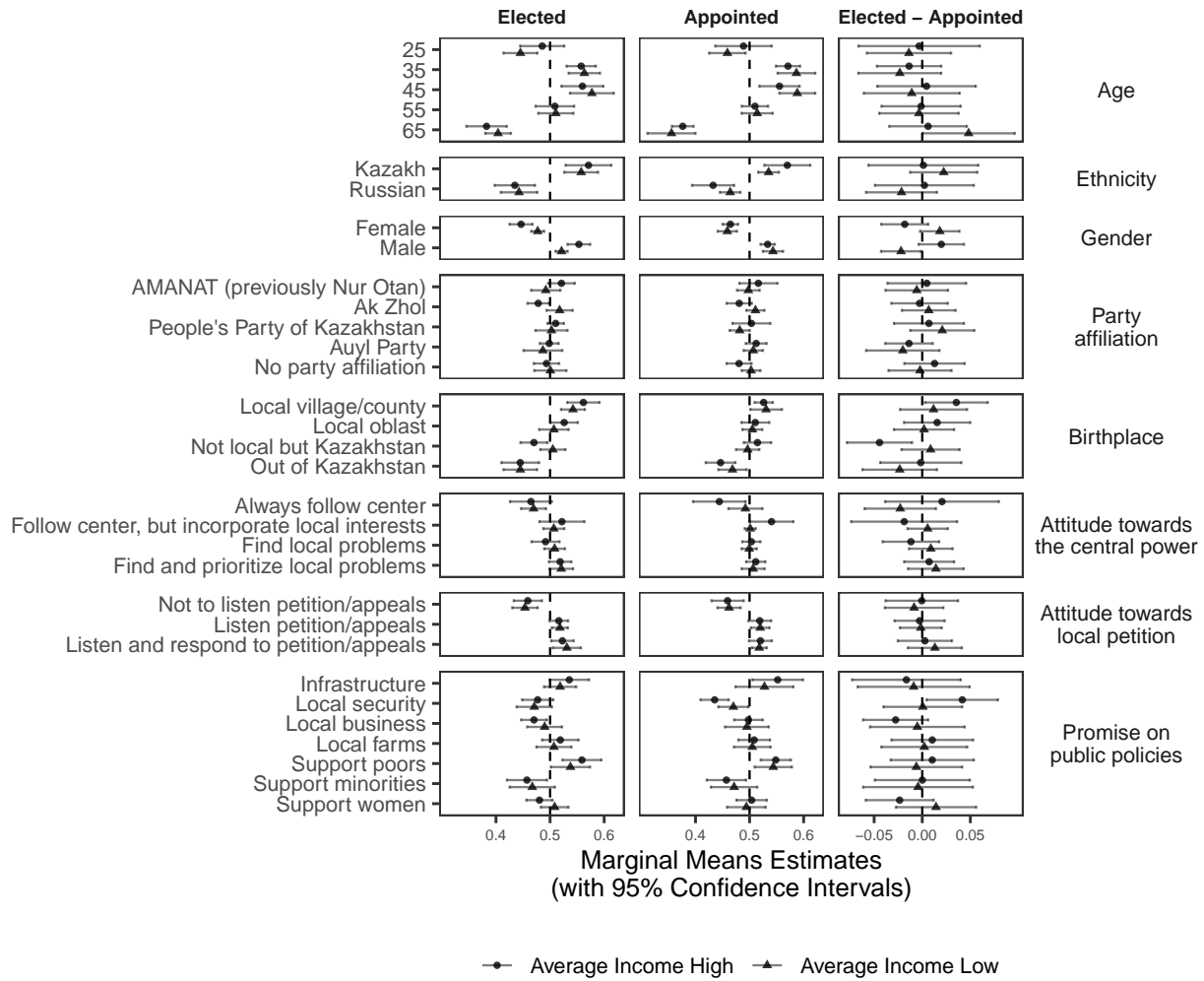


Figure F.2: The effect of introducing election on preferred features of akims in raions with high and low average income per capita.

Table F.11: Estimates table behind Figure F.2 (high)

Attribute	Level	Elected		Appointed		Elected - Appointed	
		Estimate	SE	Estimate	SE	Estimate	SE
Age	25	0.486	0.019	0.489	0.024	-0.003	0.031
	35	0.557	0.013	0.571	0.010	-0.014	0.016
	45	0.560	0.018	0.555	0.017	0.004	0.025
	55	0.509	0.017	0.510	0.011	-0.001	0.020
	65	0.383	0.017	0.376	0.009	0.006	0.020
Ethnicity	Kazakh	0.571	0.020	0.570	0.020	0.001	0.028
	Russian	0.435	0.017	0.433	0.018	0.002	0.025
Gender	Female	0.446	0.010	0.465	0.007	-0.018	0.012
	Male	0.553	0.010	0.533	0.006	0.020	0.011
Party affiliation	AMANAT (previously Nur Otan)	0.521	0.011	0.516	0.016	0.005	0.020
	Ak Zhol	0.478	0.009	0.481	0.011	-0.003	0.014
	People's Party of Kazakhstan	0.510	0.007	0.503	0.016	0.007	0.018
	Auyl Party	0.498	0.008	0.512	0.009	-0.014	0.012
	No party affiliation	0.493	0.011	0.481	0.011	0.013	0.015
Birthplace	Local village/county	0.562	0.014	0.526	0.008	0.035	0.016
	Local oblast	0.526	0.012	0.511	0.012	0.015	0.017
	Not local but Kazakhstan	0.470	0.012	0.515	0.012	-0.044	0.016
	Out of Kazakhstan	0.445	0.016	0.446	0.013	-0.002	0.021
	Always follow center	0.465	0.018	0.444	0.023	0.021	0.029
Attitude towards the central power	Follow center, but incorporate local interests	0.522	0.019	0.541	0.019	-0.019	0.027
	Find local problems	0.492	0.012	0.503	0.008	-0.012	0.014
	Find and prioritize local problems	0.519	0.010	0.511	0.008	0.007	0.013
Attitude towards local petition	Not to listen petition/appeals	0.459	0.012	0.459	0.014	0.000	0.018
	Listen petition/appeals	0.516	0.008	0.519	0.010	-0.003	0.013
	Listen and respond to petition/appeals	0.523	0.010	0.520	0.010	0.003	0.014
Promise on public policies	Infrastructure	0.536	0.017	0.552	0.022	-0.016	0.027
	Local security	0.477	0.013	0.435	0.012	0.042	0.018
	Local business	0.470	0.011	0.498	0.012	-0.028	0.016
	Local farms	0.519	0.016	0.509	0.014	0.010	0.021
	Support poors	0.559	0.017	0.548	0.013	0.010	0.021
	Support minorities	0.457	0.017	0.457	0.017	0.000	0.024
	Support women	0.480	0.011	0.504	0.013	-0.023	0.017

Table F.12: Estimates table behind Figure F.2 (low)

Attribute	Level	Elected		Appointed		Elected - Appointed	
		Estimate	SE	Estimate	SE	Estimate	SE
Age	25	0.445	0.015	0.459	0.016	-0.014	0.021
	35	0.563	0.013	0.587	0.016	-0.023	0.021
	45	0.577	0.019	0.588	0.015	-0.011	0.024
	55	0.511	0.015	0.514	0.013	-0.003	0.020
	65	0.404	0.011	0.356	0.021	0.048	0.023
Ethnicity	Kazakh	0.557	0.014	0.535	0.009	0.022	0.017
	Russian	0.443	0.016	0.464	0.009	-0.022	0.018
Gender	Female	0.477	0.006	0.459	0.008	0.018	0.010
	Male	0.521	0.005	0.543	0.009	-0.022	0.010
Party affiliation	AMANAT (previously Nur Otan)	0.492	0.013	0.498	0.010	-0.006	0.016
	Ak Zhol	0.518	0.011	0.511	0.008	0.007	0.014
	People's Party of Kazakhstan	0.503	0.014	0.482	0.009	0.021	0.016
	Auyl Party	0.487	0.017	0.507	0.008	-0.020	0.019
	No party affiliation	0.500	0.014	0.503	0.008	-0.002	0.016
Birthplace	Local village/county	0.542	0.010	0.531	0.014	0.012	0.017
	Local oblast	0.507	0.013	0.505	0.009	0.002	0.015
	Not local but Kazakhstan	0.505	0.011	0.496	0.010	0.009	0.015
	Out of Kazakhstan	0.445	0.014	0.468	0.012	-0.023	0.019
	Always follow center	0.469	0.011	0.492	0.015	-0.023	0.018
Attitude towards the central power	Follow center, but incorporate local interests	0.507	0.009	0.501	0.005	0.006	0.010
	Find local problems	0.508	0.009	0.499	0.007	0.009	0.011
	Find and prioritize local problems	0.521	0.010	0.507	0.010	0.014	0.014
Attitude towards local petition	Not to listen petition/appeals	0.454	0.011	0.462	0.010	-0.008	0.015
	Listen petition/appeals	0.518	0.007	0.520	0.008	-0.002	0.011
	Listen and respond to petition/appeals	0.531	0.012	0.518	0.006	0.013	0.014
Promise on public policies	Infrastructure	0.519	0.014	0.527	0.025	-0.009	0.028
	Local security	0.471	0.015	0.470	0.013	0.001	0.020
	Local business	0.490	0.015	0.495	0.019	-0.005	0.024
	Local farms	0.507	0.015	0.505	0.016	0.002	0.022
	Support poors	0.538	0.017	0.544	0.016	-0.006	0.023
	Support minorities	0.467	0.019	0.471	0.020	-0.004	0.028
	Support women	0.508	0.012	0.494	0.017	0.014	0.020

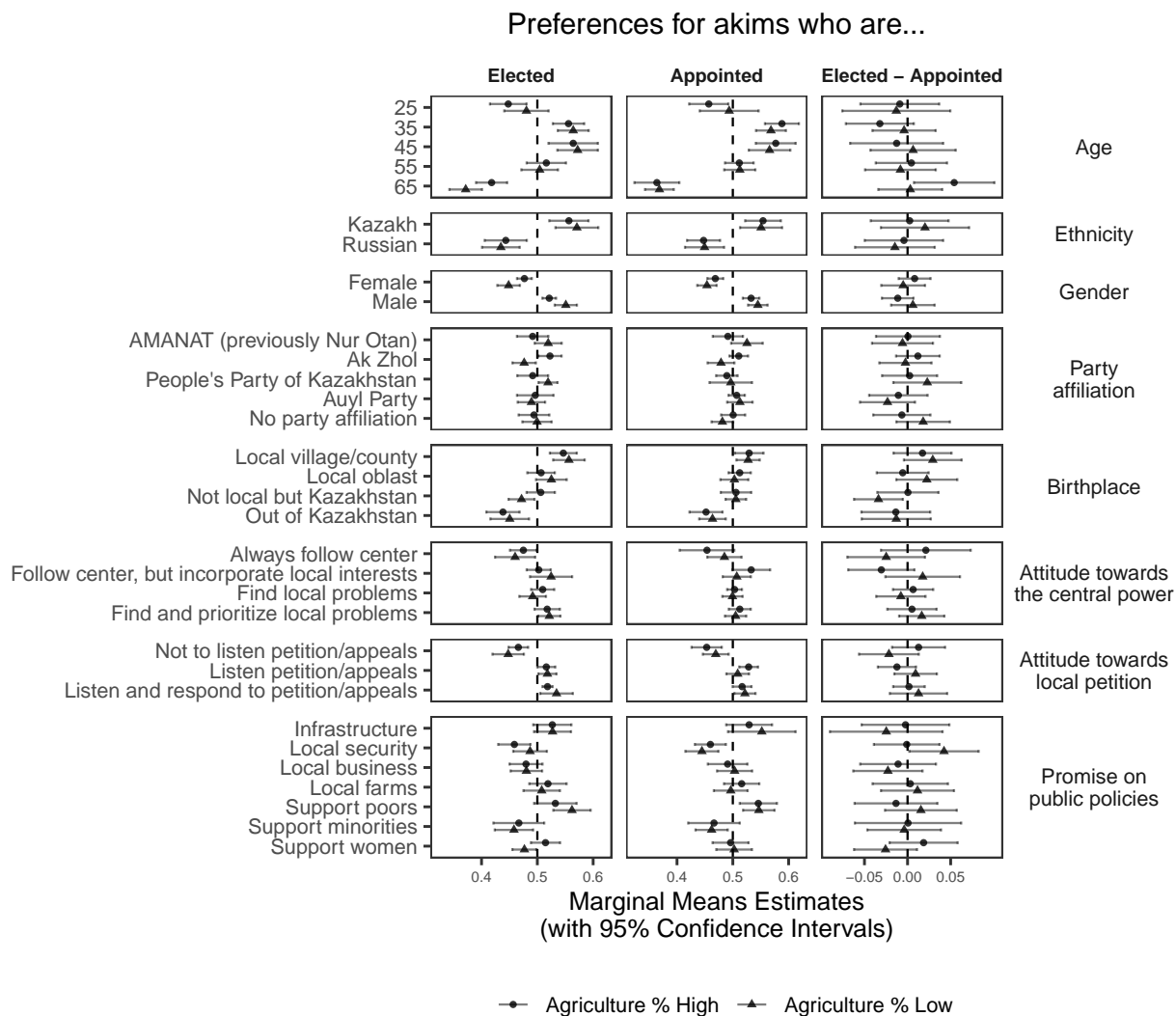


Figure F.3: The effect of introducing election on preferred features of akims in raions with large and small size of the agricultural sector.

Table F.13: Estimates table behind Figure F.3 (high)

Attribute	Level	Elected		Appointed		Elected - Appointed	
		Estimate	SE	Estimate	SE	Estimate	SE
Age	25	0.448	0.015	0.457	0.016	-0.009	0.022
	35	0.556	0.013	0.588	0.014	-0.032	0.019
	45	0.564	0.020	0.577	0.017	-0.013	0.026
	55	0.516	0.016	0.512	0.012	0.004	0.020
	65	0.418	0.013	0.364	0.019	0.054	0.023
Ethnicity	Kazakh	0.557	0.016	0.554	0.015	0.002	0.022
	Russian	0.443	0.017	0.448	0.014	-0.004	0.022
Gender	Female	0.477	0.006	0.469	0.007	0.008	0.009
	Male	0.521	0.006	0.533	0.007	-0.011	0.009
Party affiliation	AMANAT (previously Nur Otan)	0.492	0.013	0.491	0.013	0.000	0.018
	Ak Zhol	0.523	0.010	0.511	0.008	0.012	0.012
	People's Party of Kazakhstan	0.492	0.013	0.489	0.009	0.002	0.016
	Auyl Party	0.496	0.015	0.507	0.007	-0.011	0.016
	No party affiliation	0.494	0.013	0.501	0.010	-0.007	0.016
Birthplace	Local village/county	0.547	0.011	0.529	0.012	0.017	0.016
	Local oblast	0.507	0.011	0.512	0.009	-0.006	0.015
	Not local but Kazakhstan	0.506	0.012	0.506	0.013	0.000	0.017
	Out of Kazakhstan	0.438	0.014	0.452	0.014	-0.014	0.019
	Always follow center	0.475	0.011	0.454	0.023	0.021	0.025
Attitude towards the central power	Follow center, but incorporate local interests	0.503	0.010	0.533	0.016	-0.030	0.019
	Find local problems	0.510	0.010	0.503	0.006	0.006	0.011
	Find and prioritize local problems	0.518	0.010	0.512	0.009	0.005	0.014
Attitude towards local petition	Not to listen petition/appeals	0.466	0.008	0.453	0.013	0.013	0.015
	Listen petition/appeals	0.516	0.007	0.528	0.008	-0.012	0.011
	Listen and respond to petition/appeals	0.518	0.004	0.517	0.008	0.002	0.009
Promise on public policies	Infrastructure	0.527	0.016	0.529	0.019	-0.002	0.025
	Local security	0.459	0.013	0.460	0.013	-0.001	0.019
	Local business	0.480	0.014	0.491	0.017	-0.011	0.021
	Local farms	0.519	0.015	0.516	0.015	0.003	0.021
	Support poors	0.532	0.017	0.546	0.016	-0.013	0.023
	Support minorities	0.467	0.021	0.466	0.022	0.001	0.030
	Support women	0.515	0.012	0.496	0.015	0.019	0.019

Table F.14: Estimates table behind Figure F.3 (low)

Attribute	Level	Elected		Appointed		Elected - Appointed	
		Estimate	SE	Estimate	SE	Estimate	SE
Age	25	0.480	0.019	0.493	0.024	-0.013	0.030
	35	0.564	0.013	0.568	0.012	-0.004	0.018
	45	0.572	0.017	0.566	0.017	0.006	0.024
	55	0.504	0.015	0.512	0.013	-0.008	0.020
	65	0.372	0.014	0.368	0.012	0.003	0.018
Ethnicity	Kazakh	0.571	0.018	0.551	0.017	0.020	0.025
	Russian	0.435	0.016	0.449	0.016	-0.015	0.022
Gender	Female	0.449	0.009	0.454	0.008	-0.005	0.012
	Male	0.551	0.009	0.545	0.008	0.006	0.012
Party affiliation	AMANAT (previously Nur Otan)	0.519	0.011	0.525	0.013	-0.006	0.017
	Ak Zhol	0.476	0.010	0.479	0.011	-0.002	0.015
	People's Party of Kazakhstan	0.519	0.008	0.496	0.017	0.023	0.019
	Auyl Party	0.489	0.011	0.513	0.010	-0.023	0.016
	No party affiliation	0.499	0.012	0.481	0.009	0.018	0.015
Birthplace	Local village/county	0.557	0.013	0.527	0.010	0.029	0.016
	Local oblast	0.525	0.013	0.503	0.011	0.022	0.017
	Not local but Kazakhstan	0.472	0.011	0.505	0.009	-0.034	0.014
	Out of Kazakhstan	0.450	0.016	0.464	0.011	-0.013	0.020
	Always follow center	0.460	0.017	0.485	0.014	-0.025	0.022
Attitude towards the central power	Follow center, but incorporate local interests	0.525	0.018	0.507	0.012	0.018	0.021
	Find local problems	0.492	0.011	0.499	0.008	-0.008	0.014
	Find and prioritize local problems	0.521	0.009	0.505	0.009	0.016	0.013
Attitude towards local petition	Not to listen petition/appeals	0.448	0.013	0.469	0.011	-0.022	0.017
	Listen petition/appeals	0.518	0.008	0.509	0.009	0.009	0.012
	Listen and respond to petition/appeals	0.534	0.014	0.522	0.009	0.013	0.016
Promise on public policies	Infrastructure	0.527	0.015	0.552	0.028	-0.025	0.032
	Local security	0.487	0.014	0.445	0.014	0.042	0.020
	Local business	0.480	0.013	0.503	0.014	-0.023	0.020
	Local farms	0.508	0.015	0.496	0.014	0.012	0.021
	Support poors	0.562	0.016	0.547	0.013	0.015	0.020
	Support minorities	0.458	0.016	0.462	0.013	-0.004	0.021
	Support women	0.477	0.010	0.502	0.015	-0.026	0.018

F.5.2 Village-level Covariates

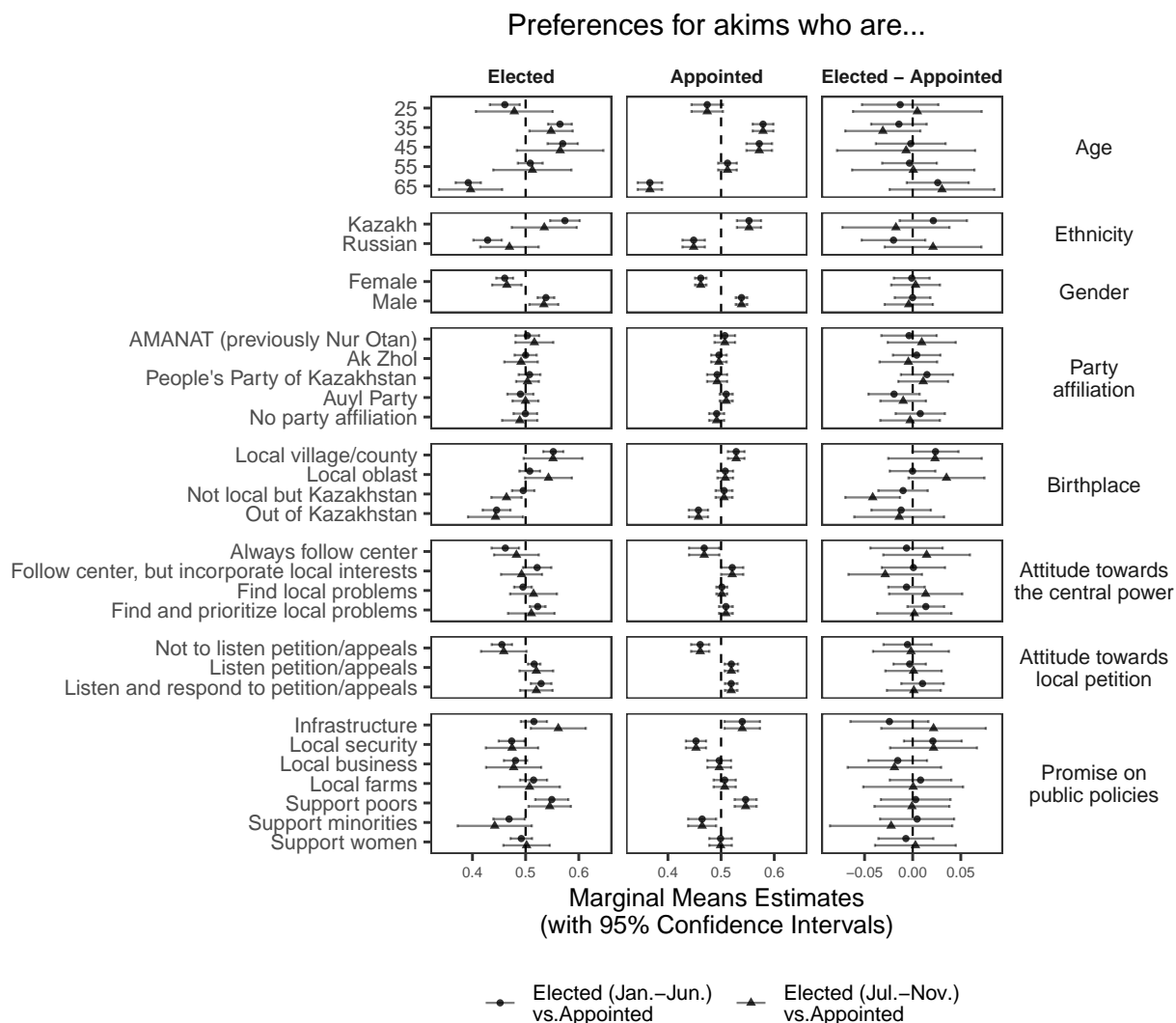


Figure F.4: The effect of introducing election on preferred features of akims by villages with different election timings (all elections are held between January and November 2022).

Table F.15: Estimates table behind Figure F.4 (Jan.-Jun. election vs. appointed)

Attribute	Level	Elected		Appointed		Elected - Appointed	
		Estimate	SE	Estimate	SE	Estimate	SE
Age	25	0.461	0.014	0.474	0.014	-0.013	0.020
	35	0.565	0.011	0.579	0.010	-0.014	0.014
	45	0.570	0.014	0.572	0.012	-0.002	0.018
	55	0.509	0.011	0.512	0.009	-0.003	0.014
	65	0.392	0.011	0.366	0.011	0.026	0.016
Ethnicity	Kazakh	0.574	0.013	0.553	0.011	0.021	0.017
	Russian	0.428	0.013	0.448	0.010	-0.020	0.016
Gender	Female	0.461	0.008	0.462	0.005	-0.001	0.009
	Male	0.538	0.008	0.538	0.005	0.000	0.009
Party affiliation	AMANAT (previously Nur Otan)	0.503	0.011	0.507	0.009	-0.004	0.014
	Ak Zhol	0.500	0.010	0.496	0.007	0.004	0.012
	People's Party of Kazakhstan	0.507	0.010	0.493	0.009	0.015	0.013
	Auyl Party	0.490	0.012	0.510	0.006	-0.019	0.013
	No party affiliation	0.500	0.011	0.492	0.007	0.008	0.013
Birthplace	Local village/county	0.552	0.009	0.528	0.008	0.024	0.012
	Local oblast	0.508	0.009	0.508	0.007	0.000	0.012
	Not local but Kazakhstan	0.496	0.010	0.506	0.008	-0.010	0.013
	Out of Kazakhstan	0.445	0.013	0.457	0.009	-0.012	0.015
	Always follow center	0.462	0.012	0.468	0.014	-0.006	0.019
Attitude towards the central power	Follow center, but incorporate local interests	0.522	0.013	0.521	0.010	0.001	0.016
	Find local problems	0.495	0.008	0.501	0.005	-0.006	0.009
	Find and prioritize local problems	0.523	0.007	0.509	0.006	0.014	0.009
Attitude towards local petition	Not to listen petition/appeals	0.455	0.009	0.461	0.008	-0.005	0.012
	Listen petition/appeals	0.516	0.006	0.519	0.006	-0.003	0.008
	Listen and respond to petition/appeals	0.529	0.009	0.519	0.006	0.010	0.011
Promise on public policies	Infrastructure	0.516	0.012	0.540	0.016	-0.024	0.020
	Local security	0.474	0.012	0.453	0.009	0.021	0.015
	Local business	0.481	0.010	0.496	0.011	-0.016	0.015
	Local farms	0.515	0.012	0.507	0.010	0.008	0.016
	Support poors	0.549	0.015	0.546	0.010	0.003	0.018
	Support minorities	0.469	0.014	0.464	0.013	0.005	0.019
	Support women	0.492	0.010	0.499	0.010	-0.007	0.014

Table F.16: Estimates table behind Figure F.4 (Jul.-Nov. election vs. appointed)

Attribute	Level	Elected		Appointed		Elected - Appointed	
		Estimate	SE	Estimate	SE	Estimate	SE
Age	25	0.479	0.030	0.474	0.014	0.005	0.033
	35	0.548	0.017	0.579	0.010	-0.031	0.019
	45	0.565	0.033	0.572	0.012	-0.007	0.035
	55	0.513	0.030	0.512	0.009	0.001	0.031
	65	0.396	0.024	0.366	0.011	0.030	0.027
Ethnicity	Kazakh	0.535	0.025	0.553	0.011	-0.017	0.027
	Russian	0.470	0.022	0.448	0.010	0.021	0.025
Gender	Female	0.465	0.011	0.462	0.005	0.003	0.012
	Male	0.534	0.011	0.538	0.005	-0.004	0.012
Party affiliation	AMANAT (previously Nur Otan)	0.516	0.015	0.507	0.009	0.009	0.017
	Ak Zhol	0.491	0.013	0.496	0.007	-0.004	0.015
	People's Party of Kazakhstan	0.504	0.009	0.493	0.009	0.011	0.013
	Auyl Party	0.500	0.010	0.510	0.006	-0.010	0.012
	No party affiliation	0.489	0.014	0.492	0.007	-0.003	0.015
Birthplace	Local village/county	0.552	0.023	0.528	0.008	0.023	0.024
	Local oblast	0.543	0.018	0.508	0.007	0.035	0.019
	Not local but Kazakhstan	0.464	0.012	0.506	0.008	-0.042	0.014
	Out of Kazakhstan	0.443	0.021	0.457	0.009	-0.014	0.023
	Always follow center	0.483	0.017	0.468	0.014	0.014	0.022
Attitude towards the central power	Follow center, but incorporate local interests	0.492	0.016	0.521	0.010	-0.029	0.019
	Find local problems	0.515	0.018	0.501	0.005	0.013	0.019
	Find and prioritize local problems	0.511	0.018	0.509	0.006	0.002	0.019
Attitude towards local petition	Not to listen petition/appeals	0.459	0.018	0.461	0.008	-0.002	0.019
	Listen petition/appeals	0.520	0.013	0.519	0.006	0.001	0.014
	Listen and respond to petition/appeals	0.520	0.013	0.519	0.006	0.001	0.014
Promise on public policies	Infrastructure	0.561	0.021	0.540	0.016	0.022	0.027
	Local security	0.474	0.020	0.453	0.009	0.022	0.022
	Local business	0.478	0.021	0.496	0.011	-0.019	0.024
	Local farms	0.507	0.023	0.507	0.010	0.001	0.026
	Support poors	0.545	0.016	0.546	0.010	-0.001	0.019
	Support minorities	0.442	0.028	0.464	0.013	-0.022	0.031
	Support women	0.502	0.018	0.499	0.010	0.003	0.021

G Estimated Effects on Political Efficacy Using Anchoring Vignettes

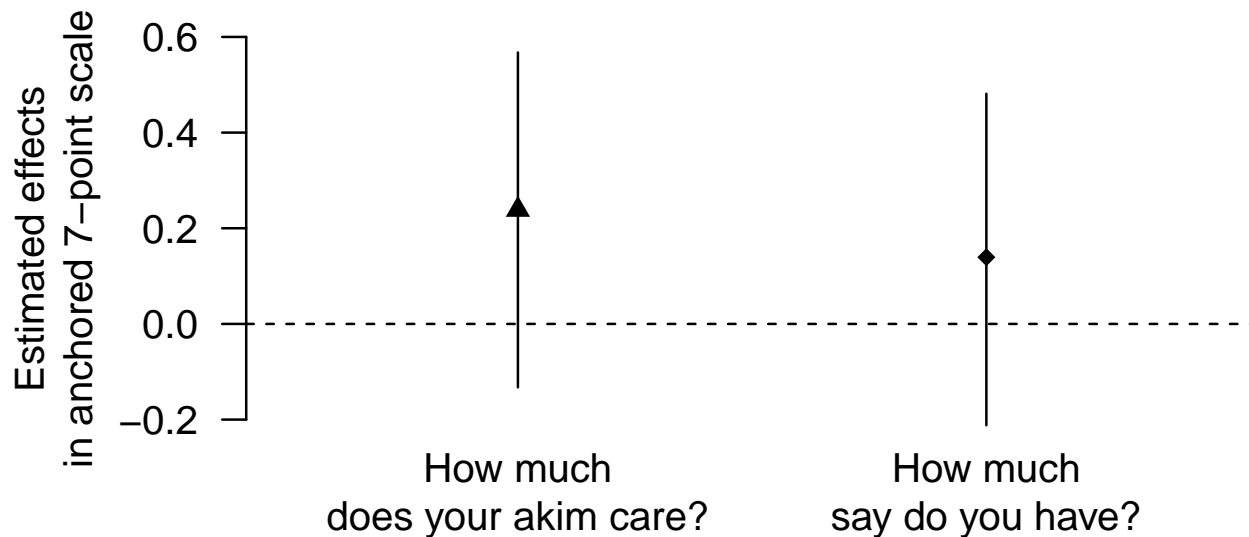


Figure G.1: Results for H1 (Political Efficacy) Estimated by the Censored Ordered Probit Model using Anchoring Vignettes. Estimated effects of experiencing an election on political efficacy measured by survey items, “how much does the rural akim in your village care about issues that you and your neighbours hope to address?” (left) and “how much say do you have in getting the rural akim to address issues that interest you and your neighbours?” (right). To address possible differential item functioning, we converted the raw responses to each item into an anchored scale and estimated the effects of experiencing an election using the censored ordered probit model developed by King and Wand (2007). Note that the outcome scale is 7-point instead of 5-point because we used 3 anchoring vignettes. The vertical bars represent the 95% confidence intervals based on bootstrapped percentiles. Although the point estimates are both positive, neither is statistically distinguishable from zero at the 5% level.

	Estimate	2.5 percentile	97.5 percentile
Akim care	0.239	-0.133	0.568
How much say	0.140	-0.212	0.481

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