

Appendices

FOR ONLINE PUBLICATION

A Figures

Figure A1: Map of electoral wards in Mumbai. Wards are filled to denote administrative ward membership.

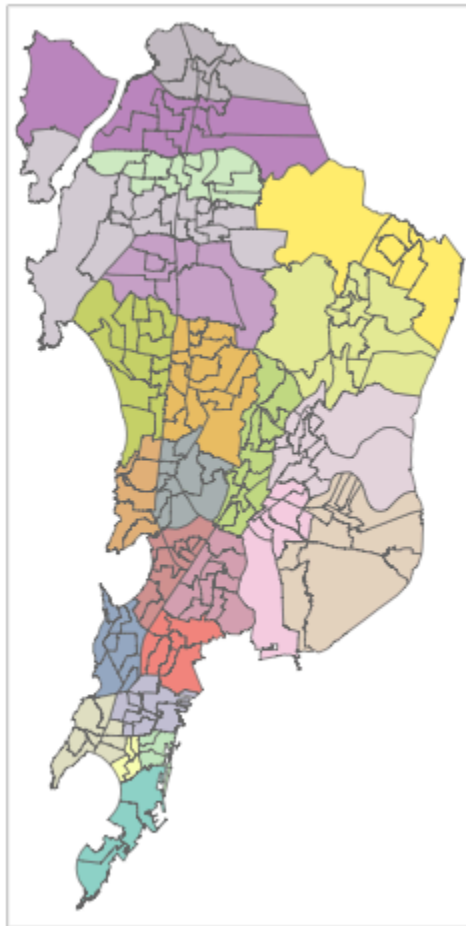
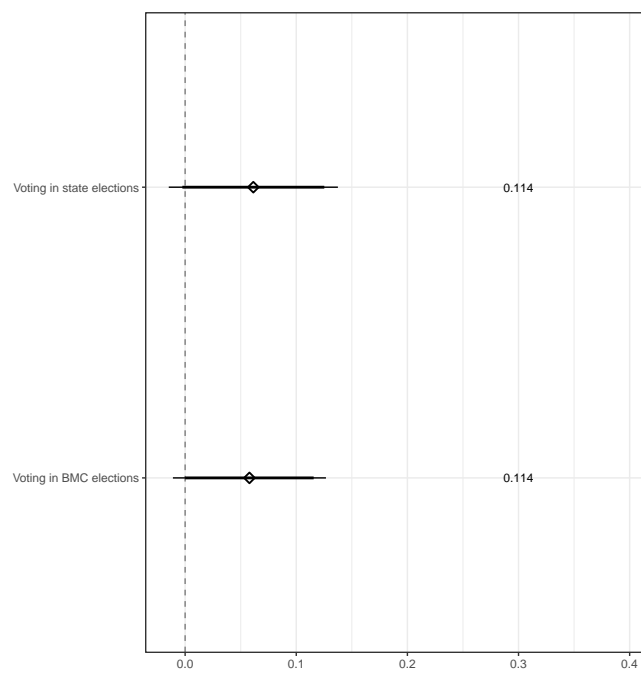


Figure A2: Treatment effects for responding "Yes" to "Did you vote in the last MCGM (municipal) or state elections?"



Bars show 90% and 95% confidence intervals. Full regression output with and without covariate adjustment available in Table B14. P-values using the Benjamini-Hochberg corrections for the false discovery rate are shown on the right.

B Tables

Table B1: Caste/occupation category codes

Code	Category
AR	Artist
CG	Central govt. servant occupying staff qrts.
DF	Families of defense personall
DT	Denotified tribes
EX	Ex-servicemen and dependents
FF	Freedom fighters
GP	General public
JR	Journalists
ME	MHADA employees
MP/MLA/MLC	Ex-members of parliament, legislative assemblies, legislative councils
NT	Nomadic tribes
PH	Handicapped persons
SC	Scheduled castes
SG	State government employees who have retired
ST	Scheduled tribes

Table B2: Proportion of members of each category in treatment and control groups after mapping with p-values for two-tailed t-test.

	Non-winners (C)	Winners (T)	p
<i>Caste/Occupation category</i>			
AR	0.021	0.026	0.541
CG	0.021	0.019	0.829
DF	0.017	0.008	0.164
DT	0.008	0.011	0.524
EX	0.024	0.021	0.683
FF	0.006	0.015	0.129
GP	0.592	0.601	0.774
JR	0.021	0.032	0.249
ME	0.009	0.021	0.130
MP/MLA/MLC	0.002	0.008	0.179
NT	0.019	0.011	0.316
PH	0.030	0.023	0.447
SC	0.135	0.124	0.593
SG	0.062	0.047	0.284
ST	0.034	0.034	0.995
	1.00	1.00	
<i>Lottery income category</i>			
EWS	0.314	0.298	0.563
LIG	0.686	0.702	0.563
	1.00	1.00	
<i>Apartment building #</i>			
274	0.011	0.017	0.434
275	0.019	0.015	0.638
276	0.013	0.021	0.340
283	0.293	0.305	0.673
284	0.139	0.139	0.990
302	0.239	0.243	0.872
303	0.211	0.205	0.833
305	0.075	0.055	0.174
	1.00	1.00	

Table B3: Proportion of members of each category in full and mapped samples after mapping with p-values for two-tailed t-test.

	Full Sample	Mapped Sample	p
AR	0.022	0.024	0.740
CG	0.021	0.020	0.886
DF	0.022	0.012	0.050
DT	0.014	0.009	0.250
EX	0.052	0.023	0.00
FF	0.028	0.010	0.00
GP	0.520	0.596	0.00
JR	0.028	0.026	0.779
ME	0.017	0.015	0.723
MP/MLA/MLC	0.004	0.005	0.883
NT	0.014	0.015	0.828
PH	0.026	0.026	0.947
SC	0.117	0.130	0.303
SG	0.053	0.055	0.902
ST	0.063	0.034	0.00
	1.00	1.00	
<i>Lottery income category</i>			
EWS	0.307	0.306	0.950
LIG	0.693	0.694	0.950
	1.00	1.00	
<i>Apartment building #</i>			
274	0.015	0.014	0.825
275	0.015	0.017	0.711
276	0.015	0.017	0.711
283	0.291	0.299	0.651
284	0.140	0.139	0.926
302	0.241	0.241	0.968
303	0.216	0.208	0.602
305	0.065	0.065	0.961
	1.00	1.00	

Table B4: Reasons for attrition with p-values for difference in proportions tests.

	Control	Treatment	p
Surveyed	413	421	0.6
Address not found	9	7	0.8
Home demolished	1	0	1
Home locked	5	11	0.2
Respondent deceased	1	0	1
Refused	14	20	0.4
Unable to locate household that has moved	19	10	0.1
Incomplete survey	37	31	0.5
Total	500	500	-

Table B5: Balance tests on household characteristics

Variable	Control mean	Treatment effect	sd	Pr(> t)
OBC ¹	0.150	-0.021	0.035	0.543
SC/ST ²	0.080	-0.018	0.026	0.499
Maratha ³	0.295	0.018	0.045	0.690
Muslim	0.090	0.006	0.029	0.852
Rough ⁴ floor	0.031	0.028	0.019	0.136
Rough ⁴ roof	0.039	0.001	0.018	0.945
From Mumbai	0.097	0.023	0.030	0.454
From the same ward as the apartment	0.097	0.017	0.022	0.446

The "Control mean" column presents means for winning households. The "Treatment effect" column presents the difference between winning and non-winning households estimated through an OLS regression of each variable on indicators for winning the lottery. Each regression includes an interaction with the centered stratum level indicator for randomization groups. All regressions include HC2 errors. N=834.

¹ Other backward class caste group members

² Scheduled caste or scheduled tribe groups, also known as Dalits.

³ A dominant group in Mumbai and Maharashtra more generally.

⁴ "Rough" here is a translation of the word "*Kutchha*." Variable measured at time of application through recall.

Table B6: Regression of treatment indicator on the covariates

Covariates ¹	Winning the housing lottery
OBC	−0.053 (0.057)
SCST	0.060 (0.071)
<i>Maratha</i> caste member	−0.041 (0.046)
Muslim	0.002 (0.066)
<i>Kutcha</i> ² floor	0.200* (0.118)
<i>Kutcha</i> ² roof	−0.277** (0.124)
From Mumbai	−0.003 (0.047)
From the same ward as the apartment building	0.051 (0.061)
Block dummies?	Yes
F Statistic (df = 91; 742)	1.2046
N	834
R ²	0.120
Adjusted R ²	0.015

*p < .1; **p < .05; ***p < .01

¹ Unless otherwise specified, all covariates are dummy variables.

² "*Kutcha*" means "raw" or "impermanent." Variable measured at time of application through recall.

Table B7: Regression estimates for treatment effects reported participation in local demand-making. All regressions include treatment indicator interactions with mean-centered block dummies.

	<i>Dependent variable:</i>					
	Individual complaint making	Group complaint making	Attending local area meetings	(1)	(2)	(3)
T	0.144*** (0.050)	0.142*** (0.050)	0.115** (0.050)	0.114** (0.050)	0.303*** (0.048)	0.294*** (0.048)
OBC		0.038 (0.058)		0.049 (0.058)		0.045 (0.056)
SCST		0.077 (0.075)		0.065 (0.075)		0.061 (0.072)
Maratha		0.015 (0.047)		0.017 (0.047)		0.032 (0.045)
Muslim		0.034 (0.068)		0.023 (0.068)		0.042 (0.066)
Kutcha floor		-0.036 (0.125)		-0.017 (0.125)		0.070 (0.121)
Kutcha roof		-0.230* (0.130)		-0.216* (0.130)		-0.250** (0.127)
From Mumbai		0.096* (0.049)		0.079 (0.049)		0.095** (0.047)
From same ward as apt		-0.027 (0.063)		-0.067 (0.063)		0.079 (0.061)
Constant	0.436*** (0.033)	0.351*** (0.057)	0.415*** (0.033)	0.346*** (0.057)	0.339*** (0.032)	0.239*** (0.055)
Observations	834	834	834	834	828	828
R ²	0.169	0.185	0.168	0.182	0.234	0.247
Adjusted R ²	0.013	0.020	0.012	0.017	0.089	0.093

Note:

*p<0.1; **p<0.05; ***p<0.01

Table B8: Regression estimates for treatment effects on knowledge of local politics. All regressions include treatment indicator interactions with mean-centered block dummies.

	<i>Dependent variable:</i>					
	Party for corporator (1)	(2)	Name for corporator (3)	(4)	Name for a corporator in admin. ward (5)	(6)
T	0.003 (0.046)	0.004 (0.046)	0.014 (0.016)	0.015 (0.016)	0.113*** (0.041)	0.110*** (0.041)
OBC		0.148*** (0.053)		0.042** (0.018)		0.076 (0.047)
SCST		0.099 (0.068)		0.035 (0.024)		0.005 (0.061)
Maratha		0.092** (0.043)		0.039*** (0.015)		-0.001 (0.038)
Muslim		-0.064 (0.062)		0.066*** (0.022)		-0.022 (0.055)
Kutcha floor		-0.065 (0.114)		-0.025 (0.039)		0.075 (0.101)
Kutcha roof		0.154 (0.119)		-0.009 (0.041)		-0.146 (0.106)
From Mumbai		0.087* (0.045)		-0.012 (0.016)		0.011 (0.040)
From same ward as apt		-0.030 (0.057)		0.0003 (0.020)		0.086* (0.051)
Constant	0.295*** (0.030)	0.175*** (0.052)	0.021** (0.010)	0.004 (0.018)	0.148*** (0.027)	0.124*** (0.046)
Observations	834	834	834	834	834	834
R ²	0.150	0.174	0.221	0.239	0.174	0.184
Adjusted R ²	-0.010	0.007	0.075	0.086	0.019	0.019

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

Table B9: Regression estimates for treatment effects on attitudes. All regressions include treatment indicator interactions with mean-centered block dummies.

	<i>Dependent variable:</i>							
	Happy w/ finances Think children will have better lives Would never leave Mumbai Don't listen to local leaders							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
T	0.200*** (0.046)	0.192*** (0.046)	0.122** (0.048)	0.120** (0.048)	0.087** (0.039)	0.078** (0.038)	0.100** (0.043)	0.087** (0.042)
OBC		-0.066 (0.053)		0.030 (0.056)		-0.015 (0.044)		-0.019 (0.049)
SCST		-0.048 (0.068)		-0.141** (0.071)		-0.048 (0.057)		0.084 (0.063)
maratha		0.036 (0.043)		0.087* (0.045)		0.067* (0.036)		0.138*** (0.040)
Muslim		0.062 (0.062)		0.005 (0.065)		-0.049 (0.052)		0.056 (0.058)
Kutcha floor		-0.124 (0.113)		0.035 (0.119)		-0.136 (0.095)		0.089 (0.105)
Kutcha roof		-0.129 (0.118)		-0.080 (0.124)		0.132 (0.099)		-0.128 (0.110)
From Mumbai		0.160*** (0.045)		-0.011 (0.047)		0.172*** (0.037)		0.090** (0.041)
From same ward as apt		-0.037 (0.057)		-0.071 (0.060)		0.031 (0.048)		0.140*** (0.053)
Constant	0.596*** (0.030)	0.483*** (0.052)	0.561*** (0.032)	0.563*** (0.054)	0.774*** (0.025)	0.632*** (0.043)	0.192*** (0.028)	0.063 (0.048)
Observations	834	834	834	834	834	834	834	834
R ²	0.165	0.195	0.193	0.209	0.168	0.205	0.184	0.216
Adjusted R ²	0.008	0.033	0.041	0.049	0.011	0.045	0.030	0.057

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

Table B10: Regression estimates for treatment effects for reported reasons for voting in the last municipal election (without covariates). All regressions include treatment indicator interactions with mean-centered block dummies.

<i>Dependent variable:</i>						
	Party	Ethnicity/Religion	Neighborhood problems	Financial problems	Policy prefs	Improving Mumbai
	(1)	(2)	(3)	(4)	(5)	(6)
T	0.052 (0.065)	0.023 (0.037)	0.218*** (0.067)	0.120* (0.062)	0.019 (0.056)	0.065 (0.059)
Constant	0.351*** (0.043)	0.081*** (0.024)	0.414*** (0.044)	0.239*** (0.041)	0.199*** (0.037)	0.222*** (0.039)
Observations	710	710	710	710	710	710
R ²	0.187	0.224	0.172	0.175	0.173	0.160
Adjusted R ²	0.020	0.064	0.002	0.005	0.003	-0.013

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

Table B11: Regression estimates for treatment effects for reported reasons for voting in the last municipal election (with covariates). All regressions include treatment indicator interactions with mean-centered block dummies.

	<i>Dependent variable:</i>						
	Party	Ethnicity	Neighborhood problems	Finances	Policy prefs	Improving Mumbai	Improving country
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
T	0.020 (0.064)	0.013 (0.037)	0.228*** (0.068)	0.145** (0.063)	0.045 (0.056)	0.080 (0.061)	0.044 (0.038)
OBC	-0.029 (0.060)	-0.005 (0.035)	0.052 (0.063)	-0.099* (0.059)	-0.022 (0.053)	0.042 (0.056)	-0.003 (0.036)
SCST	0.070 (0.079)	0.049 (0.046)	0.087 (0.083)	-0.108 (0.077)	-0.212*** (0.069)	-0.085 (0.074)	-0.052 (0.047)
Maratha	-0.064 (0.048)	-0.013 (0.028)	0.134*** (0.051)	0.050 (0.047)	-0.002 (0.042)	-0.014 (0.045)	-0.027 (0.029)
Muslim	-0.027 (0.068)	-0.021 (0.040)	0.153** (0.072)	-0.090 (0.067)	0.034 (0.060)	0.021 (0.064)	-0.015 (0.041)
Kutcha floor	0.343** (0.140)	0.021 (0.082)	-0.019 (0.149)	-0.101 (0.137)	-0.077 (0.123)	-0.123 (0.132)	-0.099 (0.083)
Kutcha roof	-0.031 (0.136)	-0.078 (0.079)	-0.100 (0.144)	0.019 (0.133)	0.022 (0.119)	-0.042 (0.128)	-0.036 (0.081)
From Mumbai	-0.247*** (0.053)	0.029 (0.031)	0.052 (0.056)	0.073 (0.052)	-0.041 (0.046)	0.068 (0.050)	-0.039 (0.031)
From same ward as apt	0.142** (0.066)	0.021 (0.038)	-0.142** (0.070)	-0.100 (0.064)	-0.021 (0.058)	-0.032 (0.062)	0.026 (0.039)
Constant	0.567*** (0.066)	0.064* (0.038)	0.315*** (0.070)	0.197*** (0.064)	0.242*** (0.058)	0.169*** (0.062)	0.111*** (0.039)
Observations	710	710	710	710	710	710	710
R ²	0.240	0.229	0.195	0.198	0.191	0.169	0.172
Adjusted R ²	0.071	0.058	0.016	0.020	0.011	-0.016	-0.012

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

Table B12: Regression estimates for treatment effects on reported satisfaction with various outcomes (without covariates). All regressions include treatment indicator interactions with mean-centered block dummies.

Dependent variable:						
	Electricity	Garbage	Sanitation	Water	Law and Order	Roads
	(1)	(2)	(3)	(4)	(5)	(6)
T	0.039 (0.037)	0.107** (0.044)	0.116** (0.045)	0.104** (0.041)	0.146*** (0.045)	0.144*** (0.047)
Constant	0.823*** (0.024)	0.680*** (0.029)	0.660*** (0.030)	0.739*** (0.027)	0.655*** (0.029)	0.605*** (0.031)
Observations	834	834	834	834	834	834
R ²	0.146	0.166	0.168	0.148	0.158	0.160
Adjusted R ²	−0.015	0.009	0.011	−0.012	−0.0004	0.002
Note:	* p<0.1; ** p<0.05; *** p<0.01					

Table B13: Regression estimates for treatment effects on reported satisfaction with various outcomes (with covariates). All regressions include treatment indicator interactions with mean-centered block dummies.

	<i>Dependent variable:</i>					
	Electricity (1)	Garbage (2)	Sanitation (3)	Water (4)	Law and Order (5)	Roads (6)
T	0.040 (0.037)	0.109** (0.044)	0.115** (0.045)	0.105** (0.041)	0.146*** (0.045)	0.137*** (0.047)
OBC	-0.007 (0.043)	-0.008 (0.052)	-0.037 (0.052)	0.002 (0.048)	-0.033 (0.052)	-0.015 (0.055)
SCST	-0.079 (0.055)	-0.139** (0.066)	-0.245*** (0.067)	-0.109* (0.061)	-0.132** (0.067)	-0.170** (0.070)
Maratha	0.041 (0.035)	-0.014 (0.042)	-0.031 (0.042)	0.067* (0.039)	-0.036 (0.042)	0.017 (0.044)
Muslim	-0.017 (0.050)	-0.036 (0.060)	-0.112* (0.061)	-0.068 (0.056)	-0.037 (0.061)	-0.047 (0.064)
Kutcha floor	-0.140 (0.092)	-0.154 (0.110)	-0.182 (0.112)	-0.040 (0.102)	-0.208* (0.111)	-0.052 (0.117)
Kutcha roof	-0.052 (0.096)	0.012 (0.115)	0.104 (0.117)	-0.101 (0.106)	0.064 (0.116)	0.025 (0.122)
From Mumbai	0.018 (0.036)	-0.001 (0.043)	0.013 (0.044)	-0.035 (0.040)	0.080* (0.044)	0.055 (0.046)
From same ward as apt	0.019 (0.046)	0.017 (0.056)	0.029 (0.056)	-0.008 (0.051)	-0.041 (0.056)	0.056 (0.059)
Constant	0.811*** (0.042)	0.705*** (0.050)	0.699*** (0.051)	0.769*** (0.046)	0.633*** (0.050)	0.578*** (0.053)
Observations	834	834	834	834	834	834
R ²	0.159	0.174	0.189	0.165	0.172	0.171
Adjusted R ²	-0.011	0.008	0.025	-0.004	0.005	0.004

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

Table B14: Regression estimates for treatment effects on reported voting. All regressions include treatment indicator interactions with mean-centered block dummies.

	<i>Dependent variable:</i>			
	Voting in BMC elections	Voting in state elections		
	(1)	(2)	(3)	(4)
T	0.060* (0.035)	0.058* (0.035)	0.069* (0.039)	0.061 (0.039)
OBC		0.009 (0.041)		-0.004 (0.045)
SCST		0.004 (0.052)		0.002 (0.058)
Maratha		-0.030 (0.033)		0.002 (0.036)
Muslim		0.072 (0.048)		0.141*** (0.053)
Kutcha floor		-0.168* (0.087)		-0.085 (0.096)
Kutcha roof		0.046 (0.091)		-0.029 (0.100)
From Mumbai		0.114*** (0.034)		0.131*** (0.038)
From same ward as apt		-0.012 (0.044)		0.028 (0.049)
Constant	0.819*** (0.023)	0.735*** (0.040)	0.772*** (0.026)	0.658*** (0.044)
Observations	834	834	834	834
R ²	0.185	0.206	0.179	0.202
Adjusted R ²	0.031	0.046	0.024	0.041

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