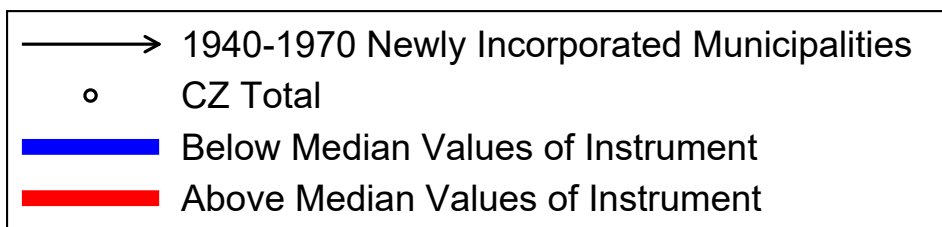
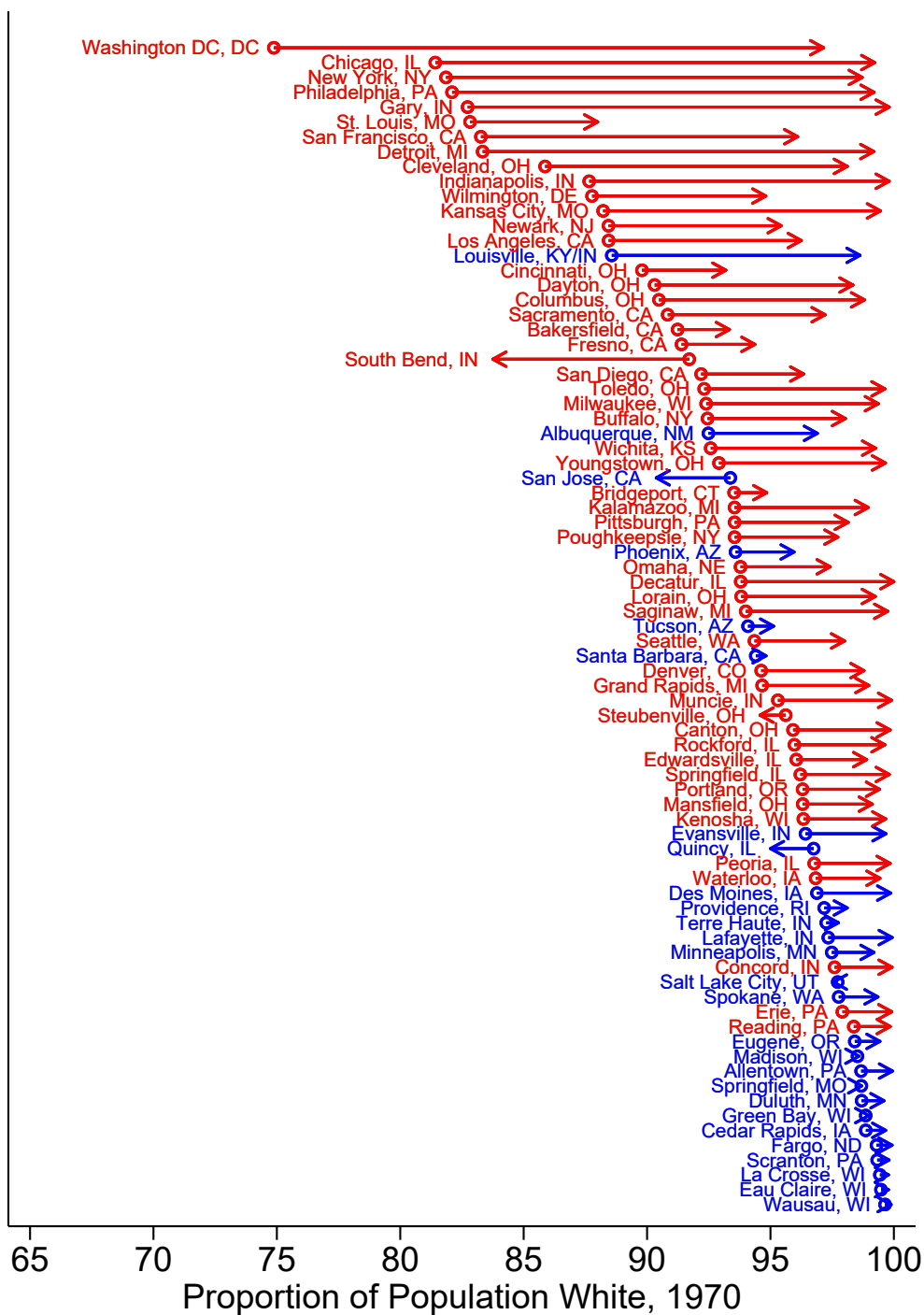
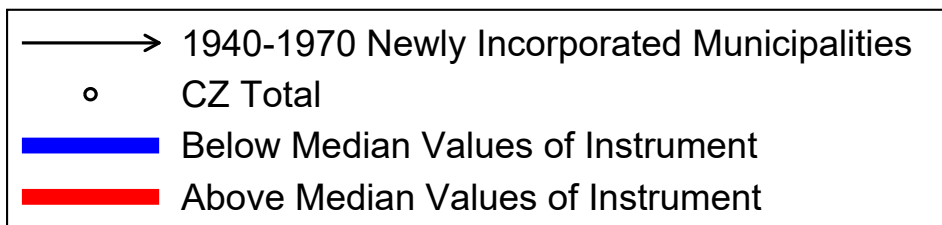
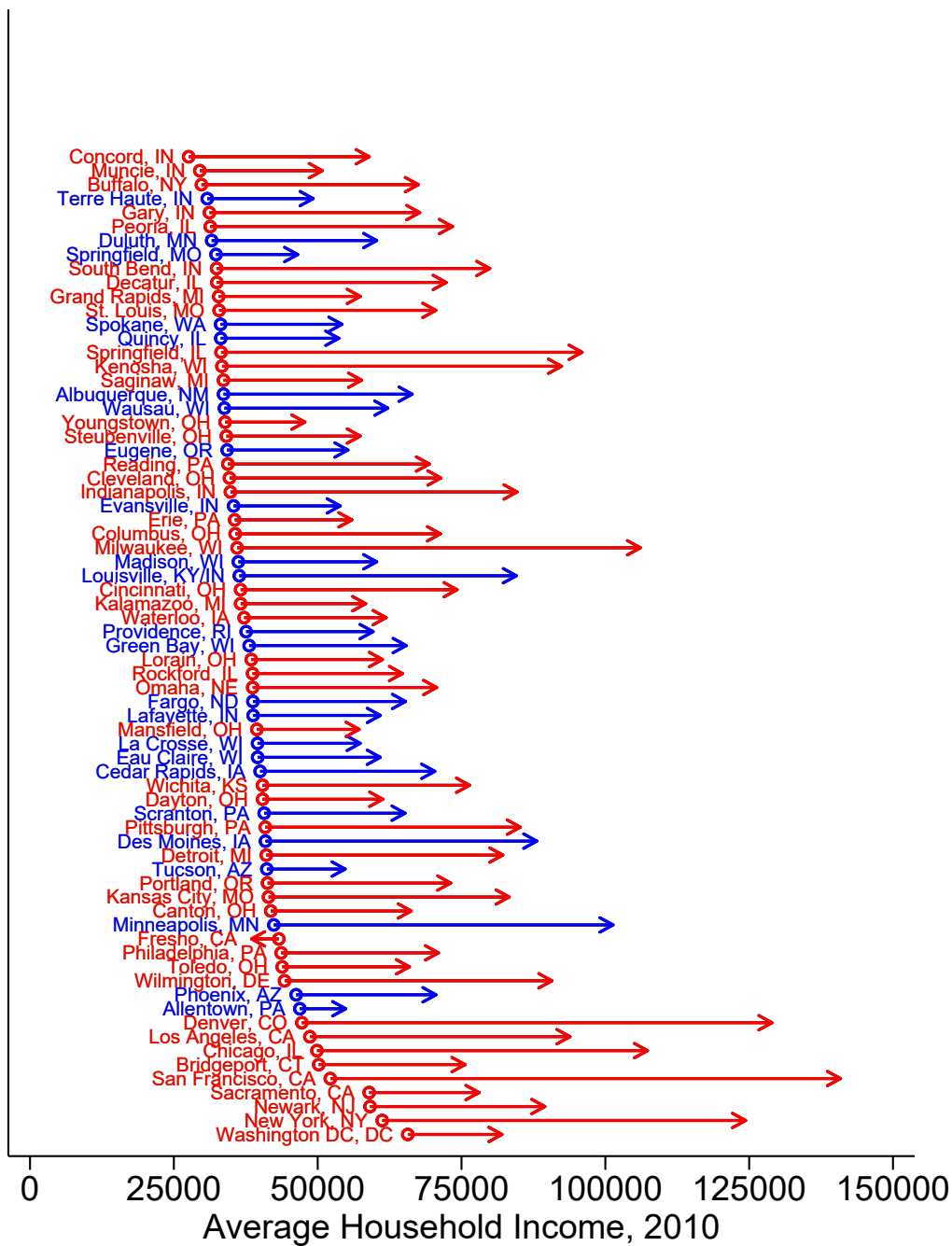


Counterfactuals

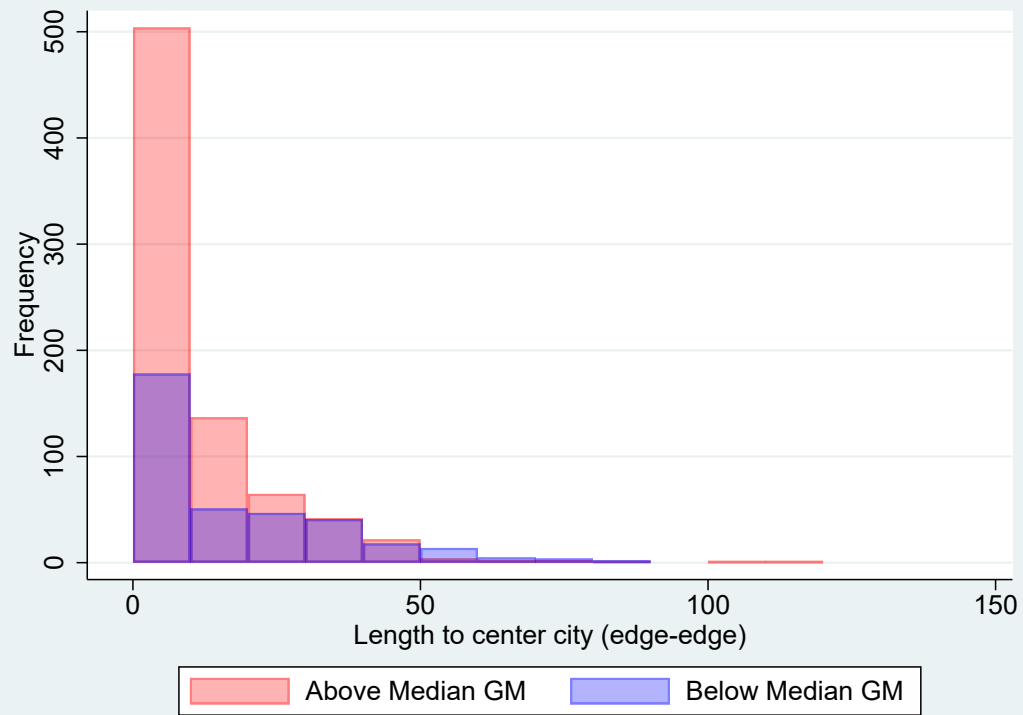
September 16, 2024





Above Median Average Difference: 92.82%
 Below Median Average Difference: 69.28%

Panel A: Below Median GM CZs								
	1940-70 Incorporations		All other munis		Principle Cities		CZ Average	
	mean	sd	mean	sd	mean	sd	mean	sd
HH Income, 1970	13128	3524	10894	1846	11424	766	10249	1208
Home Value, 1970	24653.28	8448.91	19433.84	5120.08	20428.93	3721.66	16704.70	3683.49
HH Income, 2010	98307.57	38028.95	69839.80	21204.47	71448.29	15176.55	64193.71	11133.63
Pct White, 1970	97.71	3.95	96.98	2.85	93.78	1.35	97.57	2.38
Pct White, 2010	79.35	17.18	77.91	14.90	65.62	12.41	87.56	8.02
Panel B: Above Median GM CZs								
	1940-70 Incorporations		All other munis		Principle Cities		CZ Average	
	mean	sd	mean	sd	mean	sd	mean	sd
HH Income, 1970	13780	4726	12948	4875	11072	756	11561	1050
Home Value, 1970	24549.73	9622.18	20545.65	9261.05	19684.60	5286.08	19469.02	4371.02
HH Income, 2010	85199.11	47900.82	74128.10	41661.26	59341.63	13605.17	68475.28	12857.98
Pct White, 1970	96.75	9.74	96.57	8.14	80.31	11.12	92.06	5.41
Pct White, 2010	77.76	24.07	87.72	17.55	58.16	15.15	79.32	11.02
Panel C: All CZs								
	1940-70 Incorporations		All other munis		Principle Cities		CZ Average	
	mean	sd	mean	sd	mean	sd	mean	sd
HH Income, 1970	13664	4687	12420	4585	10928	929	10770	1299
Home Value, 1970	23989.17	9701.89	19184.66	8769.87	19135.87	4885.79	17769.27	4186.59
HH Income, 2010	82893.81	46340.63	69613.05	36385.55	60522.27	14829.21	64918.35	11982.74
Pct White, 1970	96.83	8.87	97.08	7.25	87.41	11.22	94.86	4.97
Pct White, 2010	81.12	22.16	90.09	15.52	66.63	17.82	83.86	10.64



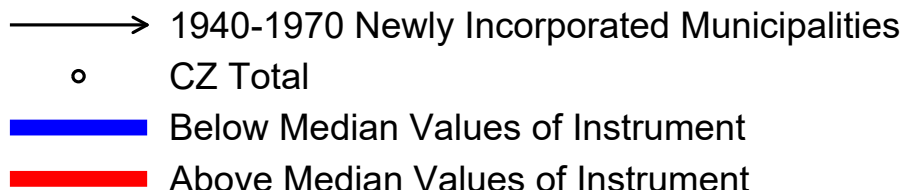
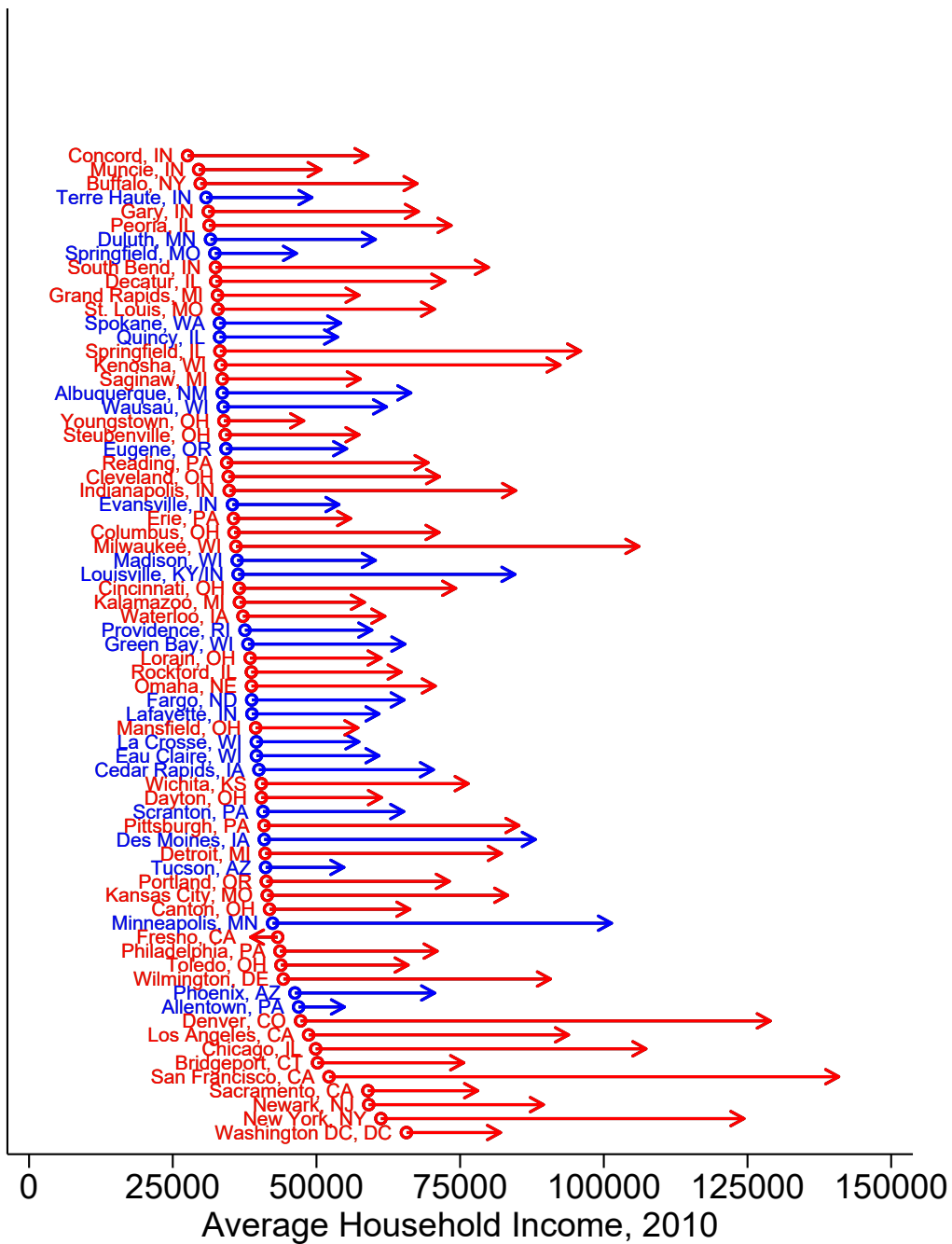


Table 1: Raw Splits

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	agg_fam_inc_place1970	agg_house_value_place1970	mean_hh_inc_place	prop_white1970	prop_white2010	place_pop1970	place_land
samp_dest	1087.121 (2309.335)	-7254.719 (4728.906)	8465.569 (16932.581)	10.056** (4.890)	9.164 (11.448)	-6894554.204*** (1236989.222)	-5.739e+07 (61514152.505)
above_x_med	207.101 (329.818)	520.511 (928.211)	-4974.573 (3956.591)	-7.318*** (1.463)	-6.841 (5.489)	424795.628 (319333.915)	278467.519 (10236335.651)
samp_destXabove_x_med	-583.189 (813.064)	-2192.153 (1461.735)	-12345.204* (7444.362)	7.532*** (1.271)	3.675 (4.129)	-414796.063 (320434.280)	-1.927e+07* (10517400.992)
N	3626	5132	8819	5251	8819	8836	8512
R^2	0.127	0.567	0.212	0.617	0.539	0.863	0.377

Standard errors in parentheses
* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 2: Raw Splits

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	agg_fam_inc_place1970	agg_house_value_place1970	mean_hh_inc_place	prop_white1970	prop_white2010	place_pop1970	place_land
samp_dest	2120.193 (2205.933)	-5164.475 (4537.410)	24997.458 (17093.031)	12.941*** (3.305)	6.369 (13.412)	-7007869.311*** (618372.385)	-4.767e+08*** (1.166e+08)
above_x_med	-53.621 (255.675)	85.399 (693.521)	-6464.374** (3257.549)	-11.021*** (2.137)	-4.920 (5.302)	668963.747** (322438.391)	2.263e+08*** (36812344.090)
samp_destXabove_x_med	-322.468 (861.037)	-1757.042 (1872.250)	-10855.403 (7959.225)	11.235*** (2.010)	1.755 (4.147)	-658964.189** (322702.741)	-2.453e+08*** (36545668.569)
N	861	1020	1467	1049	1467	1467	1461
R^2	0.378	0.799	0.551	0.853	0.711	0.956	0.915

Standard errors in parentheses
* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 3: Raw Splits

	(1)	(2)	(3)
	touching	below_len_edge	len_edge_edge
samp_dest	0.095 (0.312)	-0.109 (0.242)	-1.050 (8.510)
above_x_med	-0.041 (0.058)	-0.040 (0.055)	0.465 (2.342)
samp_destXabove_x_med	0.021 (0.160)	-0.023 (0.048)	1.852 (1.927)
N	8514	8514	8386
R^2	0.038	0.072	0.085

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 4: Raw Splits

	(1)	(2)	(3)	(4)
	exclusive_district_place	exclusive_district_shape	psum_shared_boundary_muni	min_hausdorff_muni
samp_dest	-0.972*** (0.341)	0.417 (0.287)	0.082 (0.190)	-0.070* (0.037)
above_x_med	-0.042 (0.069)	-0.309* (0.166)	0.068 (0.044)	-0.005 (0.011)
samp_destXabove_x_med	0.209*** (0.077)	0.403** (0.167)	0.030 (0.065)	-0.020* (0.011)
N	8836	8836	8836	8836
R^2	0.163	0.480	0.166	0.446

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 5: Raw Splits

	(1)	(2)	(3)	(4)
	exclusive_district_place	exclusive_district_shape	psum_shared_boundary_muni	min_hausdorff_muni
samp_dest	-1.145*** (0.309)	0.682** (0.319)	-0.082 (0.297)	0.024 (0.057)
above_x_med	-0.051 (0.089)	-0.369** (0.179)	0.100* (0.059)	0.039** (0.017)
samp_destXabove_x_med	0.218** (0.104)	0.463** (0.182)	-0.002 (0.079)	-0.064*** (0.016)
N	1467	1467	1467	1467
R^2	0.268	0.694	0.346	0.701

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 6: Raw Splits

	(1)	(2)	(3)	(4)	(5)
	landuse_sfr	landuse_apartment	pct_rev_ff	pct_rev_sa	pct_rev_debt
samp_dest	27.137** (11.206)	-2.910*** (0.779)	0.018 (1.078)	0.809 (1.173)	92.093 (175.905)
above_x_med	-0.751 (2.532)	0.619** (0.270)	0.391*** (0.138)	0.473 (0.419)	-61.021* (33.267)
samp_destXabove_x_med	10.255*** (2.933)	-0.731*** (0.231)	0.707** (0.309)	-2.074*** (0.566)	40.542 (52.894)
N	8699	8699	8694	8694	8694
R^2	0.791	0.785	0.158	0.117	0.207

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 7: Raw Splits

	(1)	(2)	(3)	(4)	(5)
	landuse_sfr	landuse_apartment	pct_rev_ff	pct_rev_sa	pct_rev_debt
samp_dest	22.600* (13.016)	-3.391** (1.448)	0.863 (1.051)	0.103 (1.398)	155.056 (174.801)
above_x_med	-4.672 (3.155)	1.045** (0.453)	0.502** (0.195)	0.718** (0.282)	-83.421** (38.668)
samp_destXabove_x_med	14.176*** (3.426)	-1.156*** (0.427)	0.596 (0.399)	-2.320*** (0.820)	62.942 (56.314)
N	1448	1448	1439	1439	1439
R^2	0.905	0.879	0.297	0.263	0.392

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 8: Raw Splits

	(1)	(2)	(3)	(4)	(5)
	EI	mean_dist_max_int	mean_min_hausdorff_muni	mean_psum_shared_muni	mean_psum_shared_dist
GM_raw_pp	0.007*** (0.003)	0.011*** (0.003)	-0.004*** (0.001)	0.005 (0.004)	0.005 (0.004)
N	118	118	118	118	118
R^2	0.681	0.709	0.742	0.342	0.151

Standard errors in parentheses
* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 9: Raw Splits

	(1)	(2)	(3)	(4)
	vr_blwt_cz	diss_blwt_cz	SP_nexpd_1970	rco1970
GM_raw_pp	0.016*** (0.003)	0.003*** (0.001)	0.007*** (0.002)	-0.033*** (0.007)
N	118	118	130	130
R^2	0.724	0.582	0.258	0.433

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 10: Raw Splits

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	math_test_pct_prof_midpt	read_test_pct_prof_midpt	mean_ap	totenroll	st_ratio_leaid	pct_white_leaid	pct_free_red_lunch_leaid
int_0	-82.538** (39.061)	-59.371** (29.776)	35.346 (22.336)	3064.108 (2168.622)	15.882 (13.306)	-1.751*** (0.601)	0.728 (0.632)
above_x_med	-5.644** (2.284)	1.285 (2.780)	1.177 (0.925)	210.707*** (80.440)	2.015*** (0.490)	-0.095** (0.038)	0.018 (0.020)
above_x_med_int_0	5.598 (8.753)	1.882 (6.840)	-4.696 (3.479)	-397.280 (351.496)	-3.351** (1.625)	0.194** (0.091)	0.055 (0.130)
above_x_med_int_0	0.000 (.)	0.000 (.)	0.000 (.)	0.000 (.)	0.000 (.)	0.000 (.)	0.000 (.)
<i>N</i>	2835	2833	3089	4224	4199	4224	4224
<i>R</i> ²	0.246	0.247	0.118	0.079	0.306	0.357	0.083

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 11: Raw Splits

	(1)	(2)	(3)	(4)	(5)	(6)
	bw_gap_math_raw	bw_gap_math_pct	bw_gap_read_raw	bw_gap_read_pct	bw_gap_grad_raw	bw_gap_grad_pct
GM_raw_pp	0.037 (0.177)	-0.004 (0.004)	-0.093 (0.189)	-0.004 (0.004)	-0.181*** (0.060)	-0.002** (0.001)
N	108	108	108	108	115	115
R^2	0.555	0.517	0.587	0.594	0.341	0.453

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 12: School District Capital Expenditure

	(1)	(2)	(3)	(4)
	Capital outlays/Total Expenditure	Capital outlays/Total Enrollment	Log Capital Outlays	log(Capital outlays/Total Enrollment)
Prop Border with 40-70 incorporation	0.040 (0.088)	1.275 (1318.729)	2.175 (2.454)	1.288 (1.254)
Above Median GM	-0.002 (0.009)	73.278 (105.966)	0.516** (0.214)	0.137 (0.104)
Prop Border 40-70 X Above Median GM	-0.036 (0.022)	-385.582 (364.857)	-1.882*** (0.496)	-0.520** (0.244)
Observations	4117	4117	4116	4116
R^2	0.063	0.013	0.180	0.055

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 13: Raw Splits

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	mf	mixed_use	attached_sfr	adu	flex_zoning_br	min_lot_size_mean	min_lot_size_max
samp_dest	-0.094 (0.082)	-0.831 (0.557)	-0.760*** (0.196)	-1.184** (0.596)	-0.154 (0.248)	49889.752** (23167.306)	139634.815 (84248.118)
above_x_med	-0.000 (0.004)	-0.128*** (0.040)	0.384*** (0.130)	0.093 (0.125)	0.189 (0.136)	-7415.561 (6868.233)	-53398.490* (31694.361)
samp_destXabove_x_med	0.002 (0.008)	0.037 (0.090)	-0.411*** (0.096)	-0.228* (0.137)	-0.227 (0.163)	-2933.187 (9744.735)	46993.519 (33741.665)
N	3349	3326	3401	3383	3402	3156	3150
R^2	0.008	0.086	0.382	0.321	0.192	0.228	0.230

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 14: Raw Splits

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	mf	mixed_use	attached_sfr	adu	flex_zoning_br	min_lot_size_mean	min_lot_size_max
samp_dest	-0.090 (.)	-0.901 (0.581)	-0.978*** (0.298)	-1.774*** (0.562)	-0.047 (0.402)	82017.323** (37780.021)	290103.876* (156098.843)
above_x_med	0.000 (.)	-0.039 (0.034)	0.507*** (0.159)	-0.066 (0.135)	0.521** (0.231)	-11133.497 (8007.805)	-89893.176** (37177.727)
samp_destXabove_x_med	0.002 (.)	-0.052 (0.099)	-0.534*** (0.143)	-0.069 (0.163)	-0.559** (0.251)	784.748 (10460.136)	83488.202** (39702.217)
N	765	735	776	773	774	705	699
R^2	0.029	0.306	0.637	0.531	0.496	0.471	0.433

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 15: Raw Splits

	(1)	(2)	(3)	(4)	(5)	(6)
	mf_conversion_allowed	inclusionary_zoning	permit_cap_phasing	n_approving_agencies	mf_public_hearing	max_review_days
samp_dest	-0.862*** (0.225)	-0.051 (0.343)	0.528 (0.407)	-1.586** (0.749)	0.896*** (0.303)	100.217 (133.085)
above_x_med	-0.455*** (0.133)	0.491*** (0.113)	0.121 (0.128)	-0.015 (0.170)	0.296** (0.118)	151.064* (81.493)
samp_destXabove_x_med	0.481*** (0.150)	-0.776*** (0.124)	-0.115 (0.137)	0.728*** (0.230)	-0.204* (0.108)	-128.238 (85.599)
<i>N</i>	3394	3265	3405	3375	3357	2980
<i>R</i> ²	0.772	0.505	0.233	0.355	0.273	0.282

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 16: Raw Splits

	(1)	(2)	(3)	(4)	(5)	(6)
	mf_conversion_allowed	inclusionary_zoning	permit_cap_phasing	n_approving_agencies	mf_public_hearing	max_review_days
samp_dest	-0.576** (0.248)	-0.256 (0.430)	-0.086 (0.343)	-1.141 (1.308)	0.580 (0.463)	30.721 (145.700)
above_x_med	-0.590*** (0.122)	0.775*** (0.133)	0.470** (0.180)	-0.510 (0.367)	0.583*** (0.161)	448.583*** (101.521)
samp_destXabove_x_med	0.616*** (0.134)	-1.060*** (0.171)	-0.464** (0.188)	1.223*** (0.395)	-0.491*** (0.146)	-425.757*** (105.259)
N	774	743	776	764	760	676
R^2	0.865	0.754	0.528	0.575	0.534	0.724

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 17: Raw Splits

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	age_restrictions	inclusionary_zoning_comply	lot_size_nature_restriction	max_frontage_req_sfr	n_steps_mf	First_PC	Second_PC
samp_dest	0.261 (0.842)	0.157 (0.142)	-0.077 (0.268)	84.956 (56.563)	-1.577 (1.665)	-0.863 (1.455)	2.046*** (0.643)
above_x_med	0.562*** (0.093)	0.059 (0.037)	0.011 (0.030)	4.612 (12.399)	0.235 (0.247)	1.726*** (0.512)	-0.356* (0.196)
samp_destXabove_x_med	-0.603*** (0.162)	-0.170*** (0.051)	-0.017 (0.063)	-23.377 (16.974)	-0.043 (0.387)	-2.475*** (0.395)	0.231 (0.249)
N	3068	3397	2816	3060	3391	3405	3405
R^2	0.364	0.100	0.060	0.399	0.151	0.286	0.405

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$

Table 18: Raw Splits

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	age_restrictions	inclusionary_zoning_comply	lot_size_nature_restriction	max_frontage_req_sfr	n_steps_mf	First_PC	Second_PC
samp_dest	0.317 (0.763)	0.334 (0.229)	-0.179 (0.228)	72.126 (69.967)	-3.326* (1.991)	-1.877 (1.272)	2.852*** (0.888)
above_x_med	0.790*** (0.101)	0.094 (0.120)	0.035 (0.046)	9.632 (19.832)	0.966** (0.382)	2.783*** (0.461)	-0.645** (0.269)
samp_destXabove_x_med	-0.831*** (0.163)	-0.205 (0.130)	-0.040 (0.080)	-28.398 (24.575)	-0.774 (0.514)	-3.533*** (0.406)	0.520* (0.301)
N	714	775	647	718	775	776	776
R^2	0.670	0.213	0.122	0.576	0.400	0.689	0.484

Standard errors in parentheses

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$