WWS 404 C05: Money and Influence in Policymaking

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A Flood of Ama-Zoning: Political Changes, Campaign Contributions, and Voter Participation in California

Quantitative Supplement

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15 May 2020

This paper represents my own work in accordance with University regulations.

Table S4: Omitted DIME Data without Geocoding Values

Year	# Total	$ Total	$ Individual	$ Corporate	$ Big Tech Employee	$ Individual Tech	$ Big Tech	$ Democrats Received	$ Republicans Received	$ Independents Received
1980	4974	2729541	2551614	126783	0	0	1500	1007711	1337525	43190
1982	3452	2740617	2533940	184104	0	0	2000	854624	1569905	6884
1984	3411	2856127	2624689	197197	0	0	0	828103	1553541	7363
1986	4210	4121411	3281119	263593	0	0	2125	846768	2490308	200
1988	5964	5623141	4876177	350162	0	0	6400	1974401	2737236	39837
1990	7789	4943928	3933396	378845	16386	288758	3116	1787087	2079386	3411
1990	7789	4943928	3933396	378845	16386	288758	3116	1787087	2079386	3411
1992	14703	9896471	7661369	946213	24029	393146	19400	2867011	3048966	32948
1994	11556	6966561	5713300	602179	25497	321558	17700	1949617	2035754	4358
1996	17385	11444030	9110132	1246940	41981	4528712	21022	1730276	38206700	41600
1998	29012	23695863	12796813	4708370	45814	2175846	128887	7217703	11192581	33504
2000	57778	74073782	21416664	29817372	71493	1367587	38235	12088039	12528896	132309
2002	90425	78386186	25411258	21593466	93060	3622573	49125	23588147	17671539	1332060
2004	141673	211693291	58019318	55823782	200419	3971855	87342	25865579	31146183	350035
2006	159296	219272190	47801711	104201872	151639	4914896	162316	32872427	38914302	368590
2008	226567	229861716	57477525	115263875	400842	6658566	66829	35687622	32331838	1405353
2010	192481	157017200	43909071	37906645	180834	3726560	161745	32555072	36613546	1425561
2012	354351	164056592	69025530	56348095	932057	7110706	90718	44658858	51888175	6528981
2014	305485	173952747	49244189	87643598	289279	6419527	96136	35182358	34729940	2480548
2016	520983	89083273	64706472	10597428	743540	5211058	113609	29548649	25678635	829710
2018	300352	19421202	15080090	812039	87473	1335576	19500	6249499	6787477	22294

Table S5: Dataset 1 Summary Statistics (N = 21 269)

Regressor	Mean	Std Dev	Min	Max
Year	2,002	10.77	1980	2018
# Total Contributions	1,332	12,267	1	827,884
# Individual Contributions	1,225	11,686	0	816,704
# Corporate Contributions	42.44	435.6	0	16,809
# Individual Tech Contributions	150.3	1,471	0	90,506
# Big Tech Employee Contributions	14.60	194.2	0	11,875
# Big Tech Corporate Contributions	2.392	46.95	0	5,636
# Democrat Contribution Recipients	591.6	6,614	0	584,847
# Republican Contribution Recipients	126.2	745.0	0	35,343
# Independent Contribution Recipients	11.58	200.4	0	19,914
# Committee Contribution Recipients	843.9	7,909	0	570,116
$ Total Contributions	814,329	1.165e+07	-72,576	7.563e+08
$ Individual Contributions	363,458	4.948e+06	-24,941	2.951e+08
$ Corporate Contributions	141,657	3.012e+06	-1,464	3.030e+08
$ Big Tech Employee Contributions	3,816	71,308	-6,362	6.881e+06
$ Individual Tech Contributions	48,129	1.758e+06	-100,063	2.457e+08
$ Big Tech Corporate Contributions	1,700	32,889	-2,500	2.466e+06
$ Democrat Contribution Recipients	228,371	3.169e+06	-669,128	1.429e+08
$ Republican Contribution Recipients	145,386	2.421e+06	-110,898	2.920e+08
$ Independent Contribution Recipients	29,531	1.230e+06	-1,400	1.315e+08
$ Committee Contribution Recipients	546,885	8.758e+06	-19,394	6.266e+08
Mean Contributor CF Score	-0.112	0.741	-3.549	4.170
Mean Candidate CF Score	-0.0200	0.613	-1.960	3.920
Mean Difference in DF Score	-0.0251	0.172	-2.700	3.050
ID #	602.8	381.2	1	1,475

Table S6: Data 1 Regression Results Dependent Variable: *amount of Individual Contributions*

Regressor	(1)	(2)	(3)	(4)
$ Corporate Contributions	-1.264*** (0.244)	-1.262*** (0.246)	-0.759*** (0.233)	-0.684*** (0.252)
$ Total Contributions	0.580*** (0.132)	0.579*** (0.132)	0.402*** (0.107)	0.410*** (0.152)
$ Democrats Received				0.161 (0.298)
$ Republicans Received				-0.833 (0.507)
$ Independents Received				0.158 (0.248)
Mean Candidate CF Score				-27,591 (30,607)
Mean Contributor CF Score				1,418 (32,892)
$ from Tech Employees			0.755*** (0.157)	1.697*** (0.553)
$ from Big Tech Employees			7.136** (3.409)	5.370** (2.451)
$ from Big Tech			-13.68* (7.998)	-13.31* (7.762)
# Total Contributions			15.77 (39.66)	96.68 (125.1)
# Corporate Contributions			-304.3 (2,152)	-2,839 (2,767)
# Tech Employees			318.2 (287.8)	141.5 (151.8)
# from Big Tech Employees			1,185 (1,243)	1,583 (1,056)
# from Big Tech			-1,755 (1,705)	-1,241 (1,628)
# Contributions to Committees				-95.96 (100.7)
# Contributions to Democrats				-82.73 (152.1)
# Contributions to Republicans				2,215** (1,078)
# Contributions to Independents				-541.3 (362.8)
1980 FE		-138,723** (65,998)	126,890 (126,460)	208,499*** (78,575)
1982 FE		-148,247** (72,045)	122,687 (130,464)	231,531*** (87,622)
1984 FE		-142,458** (66,000)	126,536 (127,726)	240,449*** (89,840)
1986 FE		-138,807** (62,886)	134,636 (127,049)	230,487*** (82,775)

1988 FE		-112,933**	156,417	225,050***
		(53,447)	(123,639)	(81,098)
1990 FE		-107,182**	141,496	197,254***
		(50,579)	(117,601)	(70,376)
1992 FE		-78,243**	168,989	171,047***
		(35,450)	(114,894)	(60,081)
1994 FE		-94,968**	151,188	193,019***
		(41,210)	(113,742)	(68,964)
1996 FE		-67,070**	176,118	180,935***
		(30,404)	(113,833)	(57,189)
1998 FE		-36,982	223,388*	150,315**
		(30,140)	(117,598)	(64,707)
2000 FE		-107,145***	170,119	138,196**
		(41,421)	(137,014)	(66,826)
2002 FE		-57,288	191,762	144,239
		(43,697)	(164,852)	(106,955)
2004 FE		-24,779	237,477*	172,332**
		(54,528)	(142,605)	(85,701)
2006 FE		110,442	295,954*	223,056*
		(134,964)	(179,521)	(114,680)
2008 FE		-39,373	148,382	-123,008
		(76,277)	(143,493)	(123,353)
2010 FE		49,203	109,090	-11,988
		(68,108)	(128,578)	(101,327)
2012 FE		86,098	261,746*	10,396
		(106,669)	(155,122)	(83,124)
2014 FE		-9,483	150,908	143,548*
		(65,141)	(154,905)	(79,240)
2016 FE		170,482*	116,126**	-219,507*
		(93,082)	(50,699)	(118,343)
Constant	70,315	93,949	-130,450	-167,145***
	(78,090)	(71,184)	(103,394)	(61,355)
Summary Statistics				
Overall R_2	0.659	0.660	0.782	0.814

Robust standard errors in parentheses
*** $p<0.01$, ** $p<0.05$, * $p<0.1$
(21 269 observations, 1 475 groups)

Table S7: Data 1 Regression Results Dependent Variable: *number of Individual Contributions*

Regressor	(1)	(2)	(3)	(4)
$ Total			-1.94e-05***	-7.54e-05**
			(6.52e-06)	(3.19e-05)
$ Corporate			1.04e-06	-5.02e-06
			(1.41e-05)	(8.05e-06)
$ Committee Recipients				6.51e-05**
				(3.26e-05)
Mean Candidate CF				4.279**
				(1.858)
Mean Contributor CF				-2.390
				(1.887)
$ Tech Employee			2.39e-05***	4.96e-05***
			(7.97e-06)	(1.87e-05)
$ Big Tech Employee			0.000381**	0.000396***
			(0.000167)	(0.000131)
$ Big Tech			-0.000772	-0.000741
			(0.000475)	(0.000451)
# Total		0.997***	0.997***	1.017***
		(0.00198)	(0.00275)	(0.0143)
# Corporate	6.458***	-2.822***	-2.354***	-2.297***
	(2.397)	(0.211)	(0.167)	(0.189)
# Tech Employee			0.0222	0.00657
			(0.0191)	(0.00831)
# Big Tech Employee			0.113*	0.0933*
			(0.0658)	(0.0482)
# Big Tech			-0.0980	-0.0517
			(0.136)	(0.0846)
# Committee Recipients				-0.0205
				(0.0132)
# Democrat Recipients				-0.00942
				(0.0135)
# Republican Recipients				0.104*
				(0.0543)
# Independent Recipients				-0.0349**
				(0.0136)
1980 FE		-15.36*	3.054	2.092
		(9.201)	(9.470)	(7.789)
1982 FE		-16.18*	2.577	2.617
		(9.362)	(8.968)	(7.457)
1984 FE		-16.12*	1.625	1.347
		(9.491)	(8.476)	(7.248)
1986 FE		-7.846	8.729	7.089
		(9.748)	(9.840)	(8.152)
1988 FE		-8.656	7.062	4.954
		(8.525)	(8.861)	(7.473)
1990 FE		-6.194	7.579	4.580
		(7.900)	(8.069)	(6.797)

1992 FE		-6.191	6.746	2.148
		(7.315)	(7.419)	(6.668)
1994 FE		-6.112	6.736	4.103
		(7.452)	(7.691)	(6.874)
1996 FE		-5.760	5.774	-0.959
		(6.321)	(6.220)	(5.220)
1998 FE		12.98*	15.83***	10.14*
		(7.402)	(5.485)	(6.112)
2000 FE		0.724	3.739	-3.477
		(8.318)	(6.129)	(6.807)
2002 FE		-1.760	-7.269	-13.31*
		(11.88)	(6.781)	(6.964)
2004 FE		1.470	2.403	-10.19
		(12.89)	(8.543)	(6.554)
2008 FE		14.12	17.59*	2.982
		(12.36)	(10.40)	(8.034)
2010 FE		16.79	11.96	-12.71**
		(15.49)	(10.09)	(5.401)
2012 FE		-3.979	-9.577	-22.03***
		(12.49)	(6.370)	(5.873)
2014 FE		12.63	10.58	-7.135
		(13.28)	(10.46)	(4.898)
2016 FE		-1.308	-5.598	-8.793
		(9.633)	(6.407)	(5.398)
Constant	950.7***	15.54*	1.805	4.034
	(101.7)	(8.013)	(7.879)	(6.003)
Summary Statistics				
Overall R_2	0.041	1.000	1.000	1.000

Robust standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1
(21 269 observations, 1 475 groups)

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Table S8: Dataset 2 Summary Statistics (N = 12 223)

Regressor	Mean	Std Dev	Min	Max
Year	2,010	5.137	2,002	2,018
# Total Contributions	2,194	16,083	1	827,884
# Individual Contributions	2,037	15,340	0	816,704
# Corporate Contributions	59.11	547.7	0	16,809
# Individual Tech Contributions	256.0	1,931	0	90,506
# Big Tech Employee Contributions	25.02	255.7	0	11,875
# Big Tech Corporate Contributions	3.926	61.73	0	5,636
# Democrat Contribution Recipients	986.2	8,689	0	584,847
# Republican Contribution Recipients	178.8	935.9	0	35,343
# Independent Contribution Recipients	19.53	264.0	0	19,914
# Committee Contribution Recipients	1,426	10,386	0	570,116
$ Total Contributions	1.273e+06	1.518e+07	-72,576	7.563e+08
$ Individual Contributions	559,561	6.433e+06	-24,941	2.951e+08
$ Corporate Contributions	223,780	3.953e+06	-1,464	3.030e+08
$ Big Tech Employee Contributions	6,346	93,853	-6,362	6.881e+06
$ Individual Tech Contributions	79,056	2.316e+06	-100,063	2.457e+08
$ Big Tech Corporate Contributions	2,659	42,294	-533.3	2.466e+06
$ Democrat Contribution Recipients	346,422	4.016e+06	-669,128	1.429e+08
$ Republican Contribution Recipients	218,606	3.174e+06	-110,898	2.920e+08
$ Independent Contribution Recipients	51,001	1.622e+06	-1,400	1.315e+08
$ Committee Contribution Recipients	882,897	1.149e+07	-2,841	6.266e+08
Mean Contributor CF Score	-0.410	0.719	-3.549	4.170
Mean Candidate CF Score	-0.246	0.586	-1.960	3.920
Mean Difference in DF Score	-0.0420	0.134	-2.700	1.850
# Registered Voters	537,259	1.592e+06	1,020	8.784e+07
# Voters	344,818	987,195	693	5.515e+07
ID #	695.5	403.2	1	1,474
Turnout Rate	0.653	0.163	0.0952	3.688

Table S9: Data 2 Regression Results Dependent Variable: *number of Registered Voters*

Regressor	(1)	(2)	(3)	(4)	(5)
# Corporate		-286.9**	-685.9	-929.2*	-127.5
		(120.1)	(424.7)	(494.7)	(408.3)
# Tech Employees				-43.55	-46.45
				(49.94)	(36.54)
# Big Tech Employees				96.34	-1.394
				(167.0)	(135.5)
# Big Tech				-107.6	-236.2
				(199.6)	(188.1)
# Total			-23.17***	-22.13***	101.6**
			(7.150)	(6.995)	(41.84)
# Democrats Received					-69.55**
					(28.98)
# Republicans Received					-605.5***
					(195.6)
# Committees Received					-105.3**
					(41.35)
$ Total			0.00613	0.0142*	0.0608
			(0.00619)	(0.00761)	(0.0983)
$ Corporate	-0.0231***		-0.0111	-0.0248	-0.0374*
	(0.00732)		(0.0167)	(0.0183)	(0.0205)
$ Big Tech Employees				-0.0986	-0.0689
				(0.147)	(0.129)
$ Tech Employees				-0.0232	-0.0267
				(0.0157)	(0.104)
$ Big Tech				3.384	3.385
				(2.773)	(3.052)
$ Democrats Received					-0.0819
					(0.109)
$ Republicans Received					-0.0282
					(0.0327)
$ fs Received					-0.0366
					(0.0969)
Mean Contributor CF Score					16,078**
					(6,386)
Mean CF Score Difference					-51,457**
					(20,463)
2002 FE			-260,521***	-262,971***	-293,632***
			(19,489)	(20,659)	(29,888)
2004 FE			692,669***	686,904***	662,281***
			(67,433)	(63,718)	(55,232)
2006 FE			-194,949***	-192,664***	-194,714***
			(19,005)	(18,378)	(15,854)
2008 FE			-148,348***	-145,020***	-117,706***
			(19,039)	(18,211)	(14,251)
2010 FE			-136,368***	-130,686***	-117,408***
			(15,829)	(14,294)	(14,139)
2012 FE			-103,539***	-105,728***	-68,040***

			(25,936)	(24,194)	(21,944)
2014 FE			-112,848***	-113,567***	-86,421***
			(20,190)	(18,266)	(15,952)
2016 FE			14,752	8,705	50,819**
			(17,210)	(14,201)	(20,185)
Constant	542,436***	554,216***	651,515***	659,644***	675,857***
	(1,638)	(7,101)	(27,341)	(28,344)	(31,545)
Summary Statistics					
Overall R$_2$	0.005	0.006	0.128	0.143	0.170

Robust standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1
(12 223 observations, 1 472 groups)

Table S10: Data 2 Regression Results Dependent Variable: *number of Voters*

Regressor	(1)	(2)	(3)	(4)	(5)
# Corporate		-303.0***	-436.6**	-605.9**	-416.4
		(102.0)	(200.8)	(253.9)	(312.8)
# Tech Employees				-2.258	-34.01***
				(12.86)	(12.17)
# Big Tech Employees				-35.22	-38.34
				(77.42)	(78.25)
# Big Tech				-67.68	-117.3
				(114.6)	(153.1)
# Total			-8.675***	-10.00**	122.9***
			(3.096)	(4.155)	(33.88)
# Democrats Received					-89.73***
					(26.38)
# Republicans Received					-78.18
					(125.7)
# Committees Received					-114.8***
					(32.66)
$ Total			0.00491	0.0104**	0.0349
			(0.00437)	(0.00494)	(0.0657)
$ Corporate	-0.0208**		-0.0132**	-0.0219***	-0.0149
	(0.00908)		(0.00631)	(0.00780)	(0.0167)
$ Big Tech Employees				0.0191	-0.0765
				(0.144)	(0.0759)
$ Tech Employees				-0.0170*	-0.00867
				(0.0100)	(0.0640)
$ Big Tech				2.143	2.169
				(1.870)	(1.990)
$ Democrats Received					-0.0528
					(0.0678)
$ Republicans Received					-0.0225
					(0.0231)
$ Independents Received					0.0124
					(0.0212)
$ Committees Received					-0.0238
					(0.0708)
Mean CF Score Difference					-25,982*
					(13,891)
2002 FE			-231,024***	-232,513***	-250,561***
			(14,221)	(14,855)	(20,200)
2004 FE			473,629***	469,539***	442,546***
			(44,620)	(42,308)	(35,765)
2006 FE			-176,695***	-175,808***	-192,971***
			(11,770)	(11,769)	(12,635)
2008 FE			-32,528**	-31,505**	-60,383***
			(12,664)	(12,894)	(10,166)
2010 FE			-100,625***	-98,946***	-117,260***
			(8,780)	(8,104)	(12,058)
2012 FE			-36,562**	-38,978***	-59,104***

			(15,173)	(13,956)	(14,140)
2014 FE			-161,044***	-160,968***	-131,980***
			(10,129)	(9,324)	(14,533)
2016 FE			58,419***	54,102***	29,364**
			(10,606)	(7,991)	(14,313)
Constant	349,469***	362,728***	408,918***	415,098***	410,409***
	(2,032)	(6,029)	(13,005)	(14,028)	(20,397)
Summary Statistics					
Overall R$_2$	0.009	0.014	0.128	0.141	0.181

Robust standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1
(12 223 observations, 1 472 groups)

Table S11: Data 2 Regression Results Dependent Variable: *Voter Turnout Rate*

Regressor	(1)	(2)	(3)	(4)	(5)
# Corporate		-1.95e-05***	-1.22e-06	-3.04e-06	-2.02e-05***
		(6.14e-06)	(3.85e-06)	(4.12e-06)	(5.10e-06)
# Tech Employees				-4.77e-07	-1.28e-06*
				(1.08e-06)	(6.56e-07)
# Big Tech Employees				-5.22e-06	-3.28e-06
				(3.84e-06)	(3.28e-06)
# Big Tech				7.22e-06	1.11e-05**
				(8.54e-06)	(5.52e-06)
# Total			1.80e-07	2.76e-07	4.77e-07***
			(1.25e-07)	(2.10e-07)	(1.64e-07)
# Democrats Received					-7.51e-07***
					(1.86e-07)
# Republicans Received					1.85e-05***
					(3.57e-06)
$ Total			1.71e-10	2.27e-10	5.84e-10***
			(1.16e-10)	(1.83e-10)	(1.62e-10)
$ Corporate	-1.08e-09**		-5.81e-10	-6.58e-10	-7.61e-10**
	(5.33e-10)		(3.78e-10)	(4.46e-10)	(3.86e-10)
$ Big Tech Employees				2.20e-09	-2.07e-09
				(3.35e-09)	(3.26e-09)
$ Tech Employees				-7.00e-11	2.46e-09**
				(2.25e-10)	(1.25e-09)
$ Big Tech				1.21e-08	1.37e-08
				(1.33e-08)	(1.59e-08)
$ Democrats Received					-6.36e-10
					(4.61e-10)
$ Republicans Received					-2.56e-09**
					(1.13e-09)
Mean Contributor CF Score					-0.00502
					(0.00349)
Mean CF Score Difference					0.0104***
					(0.00390)
2002 FE			-0.190***	-0.190***	-0.193***
			(0.00325)	(0.00325)	(0.00379)
2004 FE			0.0143***	0.0143***	0.0106**
			(0.00489)	(0.00490)	(0.00526)
2006 FE			-0.141***	-0.141***	-0.145***
			(0.00352)	(0.00352)	(0.00385)
2008 FE			0.132***	0.132***	0.127***
			(0.00205)	(0.00205)	(0.00259)
2010 FE			-0.0316***	-0.0316***	-0.0360***
			(0.00164)	(0.00165)	(0.00228)
2012 FE			0.0729***	0.0729***	0.0688***
			(0.00152)	(0.00152)	(0.00181)
2014 FE			-0.178***	-0.178***	-0.179***
			(0.00200)	(0.00200)	(0.00207)
2016 FE			0.100***	0.100***	0.0995***

			(0.00127)	(0.00127)	(0.00143)
Constant	0.653***	0.654***	0.675***	0.675***	0.677***
	(0.000119)	(0.000363)	(0.00154)	(0.00154)	(0.00250)
			Summary Statistics		
Overall R^2	0.000	0.001	0.684	0.684	0.685

Robust standard errors in parentheses
*** $p<0.01$, ** $p<0.05$, * $p<0.1$
(12 223 observations, 1 472 groups)

Table S12: Dataset 3 Summary Statistics (N = 916)

Regressor	Mean	Std Dev	Min	Max
Year	2,012	3.993	2,006	2,018
# Total Contributions	18,158	55,162	290	827,884
# Individual Contributions	16,914	52,944	252	816,704
# Corporate Contributions	461.3	1,723	0	16,809
# Individual Tech Contributions	2,208	6,606	17	90,506
# Big Tech Employee Contributions	230.3	878.2	0	11,875
# Big Tech Corporate Contributions	34.14	219.7	0	5,636
# Democrat Contribution Recipients	8,389	30,438	39	584,847
# Republican Contribution Recipients	1,263	2,994	8	35,343
# Independent Contribution Recipients	174.5	943.7	0	19,914
# Committee Contribution Recipients	11,885	35,655	208	570,116
$ Total Contributions	1.050e+07	5.052e+07	9,282	7.563e+08
$ Individual Contributions	4.156e+06	1.957e+07	9,282	2.437e+08
$ Corporate Contributions	2.120e+06	1.395e+07	0	3.030e+08
$ Big Tech Employee Contributions	44,766	211,526	0	2.589e+06
$ Individual Tech Contributions	397,686	1.556e+06	-100,063	2.004e+07
$ Big Tech Corporate Contributions	18,553	100,757	0	1.393e+06
$ Democrat Contribution Recipients	2.755e+06	1.310e+07	2,349	1.429e+08
$ Republican Contribution Recipients	1.548e+06	5.888e+06	722.3	7.362e+07
$ Independent Contribution Recipients	527,228	5.721e+06	-229	1.315e+08
$ Committee Contribution Recipients	7.615e+06	3.895e+07	5,737	6.266e+08
Mean Contributor CF Score	-0.616	0.438	-1.616	0.907
Mean Candidate CF Score	-0.391	0.348	-1.210	0.888
Mean Difference in DF Score	-0.0462	0.0287	-0.163	0.0566
# Registered Voters	2.173e+06	2.897e+06	367,929	3.408e+07
# Voters	1.361e+06	1.830e+06	109,896	2.102e+07
Population Density	134,171	320,573	931.4	3.990e+06
Population Aged 5+	168,275	339,751	56,206	3.762e+06
Population Aged 10+	156,391	317,874	50,106	3.543e+06
Population Aged 15+	144,282	295,987	44,794	3.316e+06
Population Aged 18+	136,861	282,633	41,150	3.186e+06
Population Aged 20+	131,698	272,229	38,621	3.081e+06
Population Aged 21+	128,910	266,453	37,006	3.022e+06
Population Aged 22+	126,168	260,785	36,079	2.966e+06
Population Aged 25+	118,037	243,417	32,216	2.785e+06
Population Aged 30+	103,498	211,269	26,595	2.405e+06
Population Aged 35+	89,651	180,718	21,886	2.052e+06
Population Aged 40+	76,409	152,620	17,239	1.746e+06
Population Aged 45+	63,746	126,640	12,655	1.478e+06
Population Aged 50+	51,335	102,088	7,948	1.217e+06
Population Aged 55+	39,649	78,956	5,674	964,373
Population Aged 60+	29,355	58,589	3,663	725,516
Population Aged 62+	25,600	51,029	2,766	633,038
Population Aged 65+	20,743	41,345	1,773	512,427
Population Aged 67+	17,853	35,568	1,551	441,138
Population Aged 70+	14,183	28,326	1,254	342,248

Population Aged 75+	9,348	18,820	645	216,817
Population Aged 80+	5,688	11,548	335	130,989
Population Aged 85+	2,890	5,898	66	69,755
Aggregate Income	5.203e+09	1.078e+10	5.397e+08	1.330e+11
Median Income	48,088	17,225	19,355	137,024
White Aggregate Income	3.544e+09	7.441e+09	1.395e+08	8.895e+10
Latinx Aggregate Income	1.192e+09	2.635e+09	8.952e+07	3.753e+10
Income Per Capita	30,233	12,641	9,104	96,705
Mean Q1 Income	16,225	5,582	4,260	39,876
Mean Q2 Income	41,828	14,083	18,653	102,127
Mean Q3 Income	68,421	22,295	30,106	174,713
Mean Q4 Income	103,525	32,662	44,835	273,609
Mean Q5 Income	203,393	73,702	84,283	648,477
Mean 5th Percentile Income	327,505	138,159	125,111	1.114e+06
Gini Coefficient	0.430	0.0417	0.329	0.562
Median Home Value	491,358	244,711	112,900	2.000e+06
Aggregate Rent	3.972e+07	1.027e+08	4.150e+06	1.371e+09
Moved In 2005 or Later	1,427	406.8	756	3,324
Moved In 2000 to 2004	1,309	371.9	640	3,058
# of Workers Working Away from Home	78,800	163,641	18,798	1.876e+06
# Workers with Travel Time 0-9 Minutes	6,998	11,602	759	132,967
# Workers with Travel Time 10-19 Minutes	22,546	40,797	2,868	414,990
# Workers with Travel Time 20-29 Minutes	16,387	35,033	1,540	356,687
# Workers with Travel Time 30-39 Minutes	14,325	36,154	825	445,196
# Workers with Travel Time 40-59 Minutes	9,810	23,761	345	310,047
# Workers with Travel Time 60-89 Minutes	6,047	14,556	240	198,499
# Workers with Travel Time 90+ Minutes	2,687	5,381	108	74,162
ID #	741.5	391.4	11	1,347
Population	180,654	363,569	61,628	3.990e+06
% Foreign-Born	0.272	0.107	0.0377	0.570
% Housing Owners	1.886	0.451	1.156	4.691
Poverty Rate (for ages 18-64)	0.124	0.0609	0.0141	0.401
Turnout Rate	0.627	0.155	0.196	0.928

Table S13: Data 3 Regression Results Dependent Variable: *amount of Individual Contributions*

Regressor	(1)	(2)	(3)	(4)
# Corporate	3,388	-4,923	-3,928	-4,630*
	(2,069)	(3,226)	(3,332)	(2,367)
# Tech Employees			-60.13	44.39
			(143.3)	(49.94)
# Big Tech Employees			-614.8	-510.3
			(1,118)	(1,022)
# Big Tech			71.99	-28.62
			(1,075)	(891.0)
# Democrats Received				14.88
				(58.46)
# Republicans Received				1,596***
				(547.1)
# Committees Received				-44.64
				(50.41)
$ Total		0.564***	0.449***	-0.453
		(0.0810)	(0.142)	(0.560)
$ Corporate	-0.0562	-0.942***	-0.737***	-0.638***
	(0.114)	(0.181)	(0.257)	(0.237)
$ Big Tech Employees			5.930	1.312
			(6.065)	(2.872)
$ Tech Employees			4.003***	3.336***
			(1.473)	(1.029)
$ Big Tech			-1.483	-8.505
			(4.852)	(7.350)
$ Democrats Received				0.867
				(0.665)
$ Republicans Received				-0.316
				(0.748)
$ Committees Received				0.858*
				(0.464)
Mean Contributor CF				-1.218e+06
				(899,421)
Mean Candidate CF				1.603e+06
				(1.245e+06)
Population		1.515	-21.48	-228.2
		(73.71)	(62.89)	(149.0)
Population Density				-10.22
				(6.325)
Income Per Capita				312.1*
				(162.0)
% Foreign-Born				-1.002e+07*
				(5.169e+06)
% Housing Owners				-2.306e+06*
				(1.184e+06)
# Workers (Working Outside Their Home)				87.51
				(70.24)

40-59 Min Commute				-26.35
				(152.9)
60-89 Min Commute				498.0**
				(238.7)
90+ Min Commute				-120.0
				(252.5)
White Aggregate Income				-0.00344***
				(0.00118)
Latinx Aggregate Income				-0.00455***
				(0.00158)
Aggregate Income		-0.00149	-0.000520	
		(0.00112)	(0.00121)	
Moved in 2005+				820.0
				(1,609)
Moved in 2000-2004				-555.2
				(982.3)
Median Home Value				-15.69**
				(6.541)
Mean Q1 Income				90.96
				(111.7)
Mean Q2 Income				53.07
				(73.90)
Mean Q3 Income				-57.36
				(74.99)
Mean Q4 Income				-58.65
				(56.69)
Mean Q5 Income				26.39
				(27.82)
Mean 5th Percentile Income				-6.079
				(10.16)
# Age 5+				282.6
				(329.9)
# Age 10+				498.7
				(329.6)
# Age 15+				-182.7
				(232.2)
# Age 18+				159.3
				(249.3)
# Age 20+				-840.0**
				(383.5)
# Age 25+				1,054**
				(416.0)
# Age 30+				-419.0
				(253.4)
# Age 35+				-638.6*
				(338.2)
# Age 40+				24.89
				(309.7)
# Age 45+				32.70

				(421.9)
# Age 50+				167.8
				(291.9)
# Age 55+				161.8
				(266.2)
# Age 60+				-685.3*
				(362.7)
# Age 62+				1,257*
				(688.8)
# Age 65+				-315.3
				(430.3)
# Age 67+				944.8**
				(435.3)
# Age 70+				-1,610**
				(628.9)
2006 FE	1.446e+06	-463,882	-484,004	-292,380
	(987,800)	(1.179e+06)	(915,379)	(1.428e+06)
2008 FE	955,619	-1.021e+06	-1.140e+06	-1.856e+06*
	(578,305)	(1.025e+06)	(743,216)	(1.036e+06)
2010 FE	75,005	-1.293e+06	-564,878	-2.039e+06*
	(582,538)	(1.325e+06)	(959,815)	(1.157e+06)
2012 FE	3.824e+06**	550,929	725,178	-1.939e+06*
	(1.617e+06)	(941,124)	(862,684)	(987,262)
2014 FE	809,152	17,008	65,371	-971,460
	(824,115)	(957,199)	(704,758)	(742,536)
2016 FE	3.510e+06**	633,359	188,867	-1.640e+06**
	(1.463e+06)	(774,867)	(486,598)	(675,096)
Constant	1.186e+06	1.018e+07	7.999e+06	8.182e+06
	(811,086)	(1.437e+07)	(1.165e+07)	(7.651e+06)
		Summary Statistics		
Overall R_2	0.096	0.628	0.673	0.818

Robust standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

(916 observations, 143 groups)

Table S14: Data 3 Regression Results Dependent Variable: *# of Individual Contributions*

Regressor	(1)	(2)	(3)	(4)
# Corporate	-19.77**	-18.47***	-9.427*	-5.208***
	(9.504)	(4.934)	(4.876)	(0.661)
# Tech Employees			2.929**	0.190**
			(1.233)	(0.0843)
# Big Tech Employees			4.992	0.845**
			(5.199)	(0.347)
# Big Tech			8.195	1.359
			(8.891)	(0.827)
# Democrats Received				0.677***
				(0.0230)
# Republicans Received				2.407***
				(0.439)
# Committees Received				0.909***
				(0.0166)
$ Total		0.000596***	0.000259**	-0.000242
		(0.000131)	(0.000129)	(0.000169)
$ Corporate	0.000397***	-0.000711***	-0.000308	2.97e-07
	(0.000111)	(0.000240)	(0.000215)	(4.52e-05)
$ Big Tech Employees			0.00102	0.00154
			(0.00878)	(0.00150)
$ Tech Employees			-0.00296*	0.000711
			(0.00173)	(0.000533)
$ Big Tech			-0.00605	-0.00603**
			(0.0186)	(0.00275)
$ Democrats Received				0.000126
				(9.68e-05)
$ Republicans Received				0.000367**
				(0.000185)
$ Committees Received				0.000249*
				(0.000150)
Mean Contributor CF				-1,741***
				(629.0)
Mean Candidate CF				1,407*
				(787.4)
Population		0.988***	0.599***	-0.178*
		(0.238)	(0.190)	(0.0922)
Population Density				-0.00428**
				(0.00174)
Poverty Rate				-2,944
				(3,704)
# Workers (Working Outside Their Home)				-0.155***
				(0.0593)
40-59 Min Commute				-0.265**
				(0.133)
60-89 Min Commute				0.164*
				(0.0969)
90+ Min Commute				-0.0873

				(0.112)
Aggregate White Income				4.15e-07
				(4.96e-07)
Aggregate Latinx Income				4.69e-06***
				(1.58e-06)
Moved in 2005+				0.505
				(0.480)
Moved in 2000-2004				0.838*
				(0.499)
Median Home Value				0.00191*
				(0.000990)
Mean Q1 Income				-0.00849
				(0.0384)
Mean Q2 Income				-0.0685*
				(0.0360)
Mean Q3 Income				0.0519
				(0.0320)
Mean Q4 Income				-0.0215
				(0.0194)
Mean Q5 Income				-0.0182
				(0.0143)
Mean 5th Percentile Income				0.00241
				(0.00424)
# Age 5+				0.226*
				(0.130)
# Age 10+				-0.171**
				(0.0795)
# Age 15+				0.478**
				(0.198)
# Age 18+				-0.646*
				(0.335)
# Age 20+				0.489**
				(0.202)
# Age 21+				-0.00748
				(0.182)
# Age 22+				-0.300**
				(0.139)
# Age 25+				0.175
				(0.133)
# Age 30+				-0.0877
				(0.103)
# Age 35+				0.214
				(0.138)
# Age 40+				-0.248**
				(0.116)
# Age 45+				-0.00278
				(0.136)
# Age 50+				0.286*
				(0.149)

# Age 55+				-0.130
				(0.169)
# Age 60+				0.157
				(0.157)
# Age 62+				-0.648***
				(0.207)
# Age 65+				-0.753**
				(0.316)
# Age 67+				1.048***
				(0.339)
# Age 70+				0.0703
				(0.148)
2006 FE	-6,672	6,073*	5,006*	101.3
	(4,284)	(3,385)	(2,924)	(786.6)
2008 FE	-2,536	7,102**	4,608*	149.7
	(3,409)	(3,589)	(2,504)	(707.2)
2010 FE	-5,137*	3,463	896.4	627.1
	(3,043)	(2,779)	(1,689)	(689.8)
2012 FE	5,961	7,807***	5,414***	-33.70
	(4,418)	(2,906)	(2,071)	(586.3)
2014 FE	2,053	1,897	1,755	-430.6
	(3,544)	(1,834)	(1,348)	(444.6)
2016 FE	8,749***	7,077***	2,860**	-106.8
	(2,616)	(1,291)	(1,332)	(323.3)
Constant	24,639***	-162,512***	-98,605***	9,383**
	(2,276)	(43,933)	(34,452)	(3,683)
Summary Statistics				
N	916	916	916	914
Overall R_2	0.379	0.659	0.796	0.996

Robust standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1
(143 groups)

Table S15: Data 3 Regression Results Dependent Variable: *number of Registered Voters*

Regressor	(1)	(2)	(3)	(4)
# Corporate	-297.1	-89.94	-69.07	-31.41
	(192.5)	(92.49)	(72.81)	(42.60)
# Tech Employees			9.769	-7.028
			(16.26)	(5.558)
# Big Tech Employees			12.40	25.23
			(93.13)	(41.19)
# Big Tech			-28.55	29.14
			(26.51)	(27.75)
# Democrats Received				3.615*
				(2.008)
# Committees Received				-2.622
				(1.792)
$ Total		-0.00386	-0.00174	-0.00681***
		(0.00283)	(0.00194)	(0.00195)
$ Corporate	-0.00163	0.00246	-0.00296	0.00265
	(0.00593)	(0.00797)	(0.00536)	(0.00423)
$ Tech Employees			-0.145*	0.00119
			(0.0751)	(0.0232)
$ Big Tech Employees			0.178	-0.00176
			(0.161)	(0.105)
$ Big Tech			0.176	-0.111
			(0.274)	(0.192)
$ Democrats Received				0.0114**
				(0.00513)
$ Independents Received				0.0115***
				(0.00213)
Mean Contributor CF				-133,092*
				(72,091)
Mean CF Difference				584,077
				(414,865)
Population		21.66***	18.51***	12.14*
		(5.634)	(3.690)	(7.190)
Population Density				1.248***
				(0.439)
Income Per Capita				-21.96***
				(7.355)
% Foreign-Born				-758,215
				(571,169)
Median Income				2.864
				(2.393)
# Workers (Working Outside Their Home)				11.50**
				(5.029)
90+ Minute Commute				37.71*
				(22.17)
Latinx Aggregate Income				0.000457***
				(9.82e-05)
Median Home Value				0.956**

				(0.369)
# Age 22+				-71.30***
				(20.53)
# Age 25+				29.31*
				(15.40)
# Age 35+				31.60*
				(17.94)
# Age 40+				-37.75*
				(21.04)
# Age 50+				27.88*
				(15.83)
# Age 60+				38.40**
				(17.43)
# Age 70+				-45.36**
				(22.21)
2006 FE	-743,083***	-472,325***	-479,226***	-225,339*
	(90,793)	(91,261)	(83,670)	(114,987)
2008 FE	-553,286***	-329,621***	-339,842***	-114,630
	(84,104)	(101,233)	(84,666)	(105,083)
2010 FE	-434,122***	-261,852**	-283,365***	-51,826
	(92,762)	(100,689)	(90,019)	(121,948)
2012 FE	-352,951***	-257,418***	-263,767***	-52,955
	(75,561)	(78,908)	(68,795)	(98,711)
2014 FE	-310,283***	-312,810***	-307,660***	-109,282
	(79,050)	(60,451)	(55,687)	(82,376)
2016 FE	-68,778**	-40,863	-38,743	-37.72
	(34,486)	(37,216)	(43,030)	(54,995)
Constant	2.652e+06***	-1.431e+06	-854,660	2.084e+06***
	(57,302)	(1.043e+06)	(684,979)	(433,040)
Summary Statistics				
Overall R_2	0.373	0.483	0.497	0.628

Robust standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

(916 observations, 143 groups)

Table S16: Data 3 Regression Results Dependent Variable: *number of Voters*

Regressor	(1)	(2)	(3)	(4)
# Corporate	-227.5*	-195.0*	-146.5*	-285.0***
	(123.0)	(101.5)	(81.40)	(63.10)
# Tech Employees			39.07	-4.747
			(44.40)	(4.933)
# Big Tech Employees			-67.55	-116.2*
			(150.8)	(58.97)
# Big Tech			36.61	54.54**
			(56.37)	(27.07)
# Total				43.46***
				(7.355)
# Democrats Received				-29.35***
				(5.622)
# Republicans Received				321.8***
				(48.21)
# Independents Received				65.92***
				(14.47)
# Committees Received				-46.53***
				(6.765)
$ Total		0.00318	-0.000675	-0.00710**
		(0.00232)	(0.00562)	(0.00306)
$ Corporate	-0.00702***	-0.0133***	-0.00996	0.000785
	(0.00178)	(0.00274)	(0.00746)	(0.00483)
$ Big Tech Employees			0.400	-0.0346
			(0.266)	(0.252)
$ Tech Employees			-0.0340	-0.0948**
			(0.0617)	(0.0418)
$ Big Tech			1.166	0.953**
			(1.037)	(0.466)
$ Democrats Received				0.0157*
				(0.00852)
$ Republicans Received				-0.0103
				(0.0113)
$ Independents Received				0.00928***
				(0.00345)
Mean Contributor CF				-367,080***
				(113,032)
Mean Candidate CF				200,831
				(137,555)
Population		8.605***	4.532	18.64
		(2.715)	(4.529)	(11.90)
Gini Coefficient				-1.435e+06
				(1.836e+06)
Income Per Capita				-22.21
				(13.92)
% Foreign-Born				-1.120e+06**
				(509,585)
Aggregate Income				9.03e-05*

				(4.89e-05)
Poverty Rate				691,009
				(520,422)
# Workers (Working Outside Their Home)				44.30*
				(23.57)
0-9 Min Commute				-48.70
				(31.07)
10-19 Min Commute				-42.35
				(27.80)
20-29 Min Commute				-41.09
				(25.17)
30-39 Min Commute				-37.11*
				(20.88)
40-59 Min Commute				-59.26**
				(28.50)
60-89 Min Commute				-48.60*
				(25.18)
Latinx Aggregate Income				0.000283**
				(0.000123)
Median Home Value				0.758
				(0.475)
Aggregate Rent				0.0144***
				(0.00497)
Mean Q1 Income				-9.924
				(8.730)
Mean Q2 Income				11.10
				(7.381)
Mean Q3 Income				-10.06
				(6.157)
Mean Q4 Income				0.0248
				(3.458)
Mean Q5 Income				2.269
				(2.668)
# Age 5+				-38.91*
				(21.36)
# Age 10+				34.09*
				(18.55)
# Age 20+				16.96
				(17.67)
# Age 22+				-102.7***
				(32.37)
# Age 25+				36.62*
				(21.12)
# Age 30+				32.58***
				(8.193)
# Age 40+				-17.47**
				(8.116)
# Age 60+				46.79**
				(18.59)

# Age 70+				-44.51**
				(19.88)
2006 FE	-728,740***	-618,766***	-643,081***	-309,900**
	(77,127)	(64,103)	(76,071)	(128,762)
2008 FE	-14,201	71,206	28,493	131,804
	(96,855)	(83,981)	(58,775)	(88,458)
2010 FE	-368,415***	-295,439***	-339,631***	-65,812
	(60,929)	(51,912)	(60,330)	(99,372)
2012 FE	-19,788	2,824	-55,132	-9,713
	(78,284)	(66,056)	(50,397)	(85,685)
2014 FE	-648,453***	-649,710***	-659,113***	-323,369***
	(56,090)	(55,798)	(59,699)	(71,202)
2016 FE	243,154***	236,254***	174,436***	17,354
	(43,023)	(36,748)	(57,407)	(52,441)
Constant	1.691e+06***	63,414	746,352	2.151e+06**
	(37,448)	(527,186)	(792,933)	(942,586)
Summary Statistics				
N	916	916	916	914
Overall R$_2$	0.401	0.423	0.458	0.802

Robust standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1
(143 groups)

Table S17: Data 3 Regression Results Dependent Variable: *Voter Turnout Rate*

Regressor	(1)	(2)	(3)	(4)
# Corporate	3.12e-06**	3.88e-06*	-7.40e-07	-2.66e-06
	(1.49e-06)	(2.02e-06)	(2.39e-06)	(4.18e-06)
# Tech Employees			-8.13e-07*	-1.41e-06***
			(4.53e-07)	(4.44e-07)
# Big Tech Employees			-3.75e-06	-4.73e-06
			(2.42e-06)	(4.00e-06)
# Big Tech			4.10e-06	1.01e-05***
			(3.72e-06)	(3.31e-06)
# Republicans Received				3.87e-06*
				(1.98e-06)
# Independents Received				-3.74e-07
				(2.28e-06)
# Committees Received				8.22e-08
				(1.98e-07)
$ Total		-0	3.17e-10**	5.28e-10**
		(1.02e-10)	(1.46e-10)	(2.49e-10)
$ Corporate	-3.77e-10*	-3.59e-10	-9.57e-10**	-1.30e-09**
	(2.24e-10)	(2.79e-10)	(4.42e-10)	(5.60e-10)
$ Big Tech Employees			2.71e-09	-2.72e-09
			(1.47e-08)	(2.16e-08)
$ Tech Employees			-6.90e-09	-4.31e-09
			(5.08e-09)	(5.73e-09)
$ Big Tech			2.70e-08	4.28e-08
			(2.17e-08)	(2.78e-08)
$ Republicans Received				-1.01e-09
				(1.58e-09)
$ Independents Received				-5.95e-10
				(4.36e-10)
Mean Contributor CF				-0.0586***
				(0.0130)
Mean Candidate CF				0.0380*
				(0.0220)
Mean Difference in CF				-0.241
				(0.146)
Population		7.75e-08	7.61e-08	1.02e-06
		(1.68e-07)	(2.06e-07)	(1.35e-06)
Population Density				-4.10e-08
				(3.32e-08)
Gini Coefficient				0.0210
				(0.199)
Median Income				7.17e-07*
				(4.21e-07)
30-39 Min Commute				-1.10e-06
				(9.50e-07)
40-59 Min Commute				-1.31e-06
				(1.05e-06)
60-89 Min Commute				-2.47e-06*

				(1.43e-06)
90+ Min Commute				3.39e-07
				(2.34e-06)
Moved in 2005+				2.02e-05
				(1.26e-05)
Moved in 2000-2004				-8.02e-06
				(1.32e-05)
Median Home Value				-8.34e-09
				(4.62e-08)
Aggregate Rent				5.29e-10
				(4.86e-10)
Mean Q1 Income				-1.73e-07
				(1.35e-06)
Mean Q2 Income				-4.00e-07
				(1.05e-06)
Mean Q3 Income				-1.01e-06
				(9.35e-07)
Mean Q4 Income				5.24e-07
				(5.94e-07)
Mean Q5 Income				-1.91e-07
				(3.08e-07)
Mean 5_{th} Percentile Income				1.15e-07
				(1.08e-07)
# Age 5+				-2.67e-06
				(2.12e-06)
# Age 10+				3.18e-06
				(2.10e-06)
# Age 18+				-3.61e-06
				(2.37e-06)
# Age 20+				9.68e-06***
				(3.54e-06)
# Age 21+				-8.47e-06***
				(3.19e-06)
# Age 25+				-6.30e-07
				(2.28e-06)
# Age 30+				2.16e-06
				(1.90e-06)
# Age 35+				-4.41e-06**
				(1.95e-06)
# Age 40+				4.23e-06**
				(1.78e-06)
# Age 45+				-1.38e-06
				(2.44e-06)
# Age 50+				2.25e-06
				(2.53e-06)
# Age 55+				-3.22e-06
				(2.46e-06)
# Age 60+				1.90e-06
				(2.78e-06)

# Age 65+				2.33e-06
				(2.83e-06)
# Age 75+				-6.02e-06**
				(2.99e-06)
# Age 85+				1.02e-05**
				(4.15e-06)
2006 FE	-0.166***	-0.165***	-0.164***	-0.110***
	(0.00890)	(0.00924)	(0.00933)	(0.0202)
2008 FE	0.147***	0.148***	0.149***	0.185***
	(0.00681)	(0.00753)	(0.00747)	(0.0193)
2010 FE	-0.0616***	-0.0610***	-0.0607***	-0.0189
	(0.00429)	(0.00481)	(0.00480)	(0.0175)
2012 FE	0.0782***	0.0786***	0.0797***	0.0950***
	(0.00488)	(0.00511)	(0.00515)	(0.0142)
2014 FE	-0.233***	-0.233***	-0.232***	-0.215***
	(0.00446)	(0.00448)	(0.00463)	(0.0105)
2016 FE	0.114***	0.114***	0.117***	0.117***
	(0.00317)	(0.00325)	(0.00333)	(0.00678)
Constant	0.643***	0.629***	0.632***	0.591***
	(0.00300)	(0.0323)	(0.0385)	(0.106)
Summary Statistics				
Overall R^2	0.895	0.895	0.896	0.906

Robust standard errors in parentheses
*** $p<0.01$, ** $p<0.05$, * $p<0.1$
(916 observations, 143 groups)