

Appendix

Chapter 3

Coding of Foreign Born Populations 1900-1940

The Census of Population and Housing collected detailed breakdowns regarding the origin of immigrant populations for large cities between 1900 and 1940. However, the categories of origin changed from Census to Census. I created similar categories by combining subcategories (e.g. I created a Poland variable by combining Austrian Poland, German Poland, and Russian Poland). Using the table available at: <http://www.census.gov/population/www/documentation/twps0029/tab04.html>, I created a category of immigrants from Southern and Eastern Europe, Asia, and Latin America. Because immigrants from Turkey in Asia were only separately categorized in some Census years, all Turkish immigrants are coded as being Southern and Eastern European, regardless of continent. The category foreign born nonwhite was created by adding the foreign born populations from countries that the 1930 Census designated as sending a majority of immigrants who were classified as nonwhite (China, Japan, India, Mexico, and West Indies).¹ To generate a measure of foreign born diversity, I calculated a Herfindahl Index:

$$Diversity = 1 - \sum_{f=1}^F \pi_f^2$$

where, π_f is the population share of the foreign-born group f and F is the total number of foreign-born groups (52). The following foreign born groups were listed in Censuses 1900-1940. The table presents summary statistics for all 291 cities included in these data.

Country of Origin	Mean	Std. Dev.	Min	Max
Africa	0.01%	0.04%	0.00%	1.20%
Albania	0.00%	0.03%	0.00%	0.86%
Armenia	0.14%	0.56%	0.00%	13.11%
Atlantic islands	0.07%	0.82%	0.00%	22.96%
Australia	0.04%	0.11%	0.00%	1.27%
Austria	3.57%	4.23%	0.00%	52.56%
Azores	0.09%	1.02%	0.00%	18.64%
Belgium Luxemburg	0.48%	1.78%	0.00%	25.12%
Bohemia	0.11%	1.24%	0.00%	48.24%
Born at sea	0.00%	0.01%	0.00%	0.21%
Canada newfound	10.15%	12.52%	0.00%	86.47%
Central South America	0.15%	0.34%	0.00%	5.57%
China	0.34%	1.20%	0.00%	39.04%
Cuba West Indies	0.14%	1.23%	0.00%	43.85%
Czechoslovakia	1.41%	3.69%	0.00%	49.42%
Denmark	1.22%	2.67%	0.00%	29.90%
England	8.04%	4.65%	0.28%	40.52%
Estonia	0.00%	0.00%	0.00%	0.02%
Europe, other	0.06%	0.14%	0.00%	3.17%

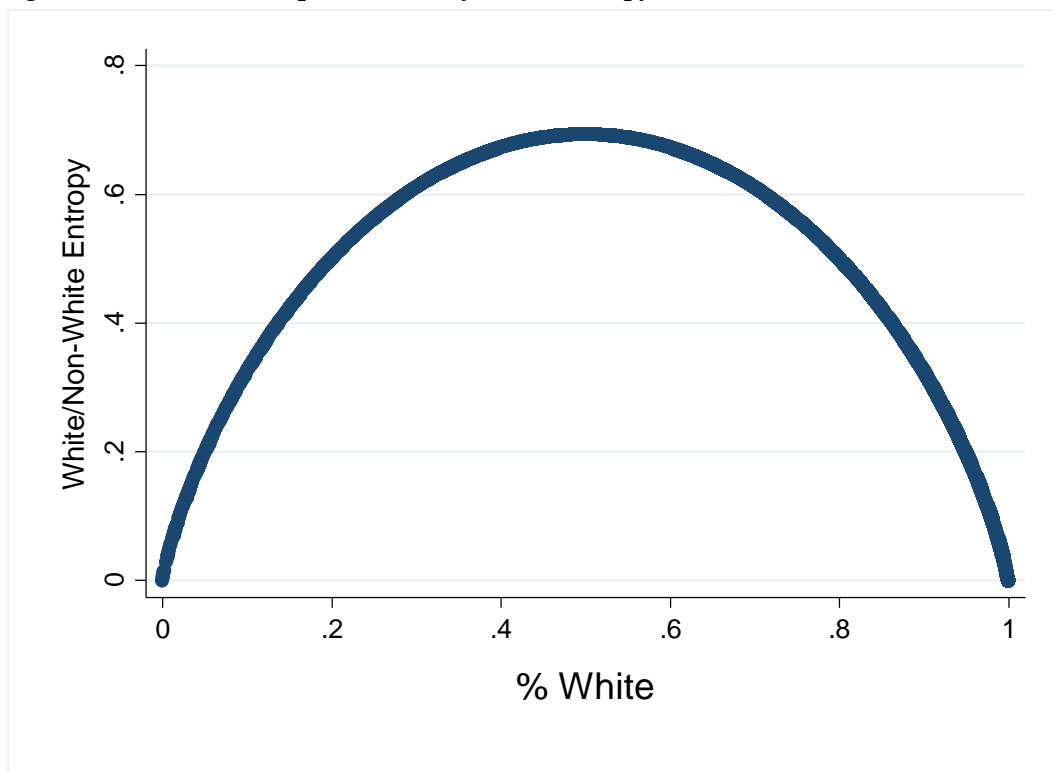
¹ Census of Population and Housing, 1930, Volume II, Chapter 5, "Country of Birth of the Foreign Born," page 231

Finland	0.46%	1.70%	0.00%	21.42%
France	1.21%	1.25%	0.00%	14.62%
Germany	16.92%	14.66%	0.24%	89.81%
Greece	2.07%	2.58%	0.00%	23.83%
Holland	0.07%	1.09%	0.00%	46.72%
Hungary	2.44%	4.66%	0.00%	48.04%
Iceland	0.00%	0.00%	0.00%	0.08%
India	0.01%	0.02%	0.00%	0.47%
Ireland	9.71%	7.63%	0.03%	50.94%
Italy	9.47%	9.14%	0.00%	53.39%
Japan	0.24%	1.10%	0.00%	32.07%
Latvia	0.03%	0.16%	0.00%	2.76%
Lithuania	0.67%	1.48%	0.00%	12.26%
Mexico	1.48%	6.60%	0.00%	91.42%
Netherlands	0.86%	3.92%	0.00%	50.24%
Norway	1.49%	3.43%	0.00%	27.95%
Not specified	0.00%	0.02%	0.00%	0.57%
Other	0.99%	1.71%	0.00%	18.01%
Other Asia	0.09%	0.19%	0.00%	3.08%
Pacific Islands	0.01%	0.03%	0.00%	1.71%
Palestine Syria	0.32%	1.03%	0.00%	16.14%
Poland	6.81%	7.54%	0.00%	78.19%
Portugal	0.46%	1.88%	0.00%	18.82%
Russia	8.40%	7.06%	0.00%	71.83%
Scotland	2.62%	2.02%	0.05%	44.49%
Spain	0.29%	1.52%	0.00%	24.06%
Sweden	4.11%	7.00%	0.00%	71.64%
Switzerland	0.96%	1.09%	0.00%	9.27%
Syria	0.31%	0.92%	0.00%	15.72%
Turkey Bulgaria Romania	0.66%	1.09%	0.00%	16.93%
Wales	0.71%	1.60%	0.00%	26.78%
West Indies	0.28%	2.08%	0.00%	71.70%
Yugoslavia	0.72%	1.98%	0.00%	23.65%

A3.1: Summary Statistics Historical City Expenditures

Variable	N	Mean	Std. Dev.	Min	Max
Expenditures Per Capita (logged)	1,397	6.165	0.512	4.075	8.936
Density	1,397	11.993	8.870	0.747	79.009
Population (logged)	1,397	11.401	0.944	9.333	15.792
% Nonwhite	1,116	0.107	0.128	-0.031	0.558
% Homeowners	1,111	0.377	0.100	0.100	0.697
Foreign born diversity	1,057	0.834	0.089	0.233	0.938
Assessed Value (millions)	1,397	2.442	10.024	0.005	199.837
% Professionals	1,084	0.083	0.031	0.016	0.257

Figure A3.1: Relationship between City Level Entropy and % White



Chapter 4

Table A4.1: Summary Statistics Zoning Ordinances

Variable	Obs	Mean	Std. Dev	Min	Max
Zoning Ordinance	4,293	0.032	0.175	0.000	1.000
Expenditure \$ Per Capita (logged)	4,293	3.346	0.413	1.305	6.165
Property Taxes \$ Per Capita	4,293	19.798	8.045	1.794	66.837
Presidential turnout	4,293	0.514	0.177	0.013	0.991
Republican Vote Share	4,293	0.471	0.171	0.000	0.838
Midwest	4,293	0.314	0.464	0.000	1.000
North	4,293	0.422	0.494	0.000	1.000
South	4,293	0.195	0.396	0.000	1.000
West	4,293	0.070	0.255	0.000	1.000
% For. Born White	3,740	0.182	0.116	0.006	0.603
% For. Born Non White	3,740	0.005	0.024	0.000	0.398
% Black	3,654	0.081	0.125	0.000	0.557
Highways \$ Per Capita	4,265	2.379	1.027	0.230	8.014
Health \$ Per Capita	4,288	0.411	0.328	0.015	3.525
Fire \$ Per Capita	4,293	2.148	0.815	0.364	10.945
Density	4,283	11.732	8.414	0.747	79.009
% Renters	3,577	0.628	0.101	0.303	0.903
% Employed in Manufacturing	3,554	0.533	0.137	0.109	0.838
% Employed in Agriculture	3,554	0.017	0.043	0.002	0.767
10 year population growth rate	3,592	0.327	0.410	-0.867	5.397
School segregation	4,293	0.223	0.412	0.000	1.000
% Unemployed	3,554	0.635	0.064	0.000	0.820

Chapter 5

Table A5.1: Summary Statistics Sewer Extensions, Historical Urban Ecological Dataset

Variable	Obs	Mean	Std. Dev	Min	Max
New Segments Since Last Census	541	37.20	138.45	0.00	1476.00
Total New Segments Since Last Census	541	1237.02	1953.43	0.00	5933.00
Total Segments in Ward	541	857.72	952.77	181.00	8375.00
% Segments Built	541	0.64	0.25	0.00	0.96
% Foreign Born	541	0.25	0.12	0.01	0.64
% Renters	271	0.74	0.13	0.34	0.98
Renter Segregation	541	0.09	0.03	0.04	0.14
% Black	541	0.08	0.14	0.00	0.95
Racial Segregation	541	0.47	0.16	0.29	0.86

Table A5.2: Summary Statistics: Public Sewer Connections

Variable	Obs	Mean	Std. Dev	Min	Max
% Public Sewer in Tract	146,102	0.773	0.328	0.000	1.000
% Nonwhite	146,102	0.203	0.280	0.000	1.000
Racial Segregation	146,102	0.216	0.197	0.000	0.915
% Renters	146,102	0.356	0.238	0.000	1.000
Renter Segregation	146,102	0.115	0.086	0.000	0.786
% Wealthy	146,102	0.183	0.155	0.000	1.000
City Population	146,102	392911	686109	59	3480384
City Public Sewer Connections	146,102	139100	261531	0.000	1269144
Midwest	146,102	0.234	0.423	0.000	1.000
South	146,102	0.307	0.461	0.000	1.000
West	146,102	0.229	0.421	0.000	1.000

Chapter 6

Table A6.1: Summary Statistics: Urban Renewal Applications and Disbursement

Variable	Obs	Mean	Std. Dev.	Min	Max
Racial Segregation, 1980	172	0.299	0.158	0.015	0.671
Renter Segregation, 1980	172	0.139	0.053	0.014	0.284
Urban Renewal Funds Approved, \$100 million	173	0.466	0.734	0.000	5.481
Urban Renewal Funds Disbursed, \$100 million	173	0.315	0.536	0.000	4.165
Segregation, 1950	173	0.398	0.153	0.095	0.908
% Owner occupied, 1950	173	47.127	11.692	12.400	70.700
Median Home Value, 1950 (log)	173	9.0	0.3	8.4	9.9
% Dilapidated, 1950	172	6.7	4.9	0.5	26.1
% Built Pre-1920, 1950	172	56.8	17.6	6.1	94.6
% Units w/o Plumbing, 1950	172	22.4	12.5	2.8	62.4
Population (millions), 1950	173	277794.0	702673.5	38946.0	7891957.0
% Nonwhite, 1950	173	11.7	11.9	0.1	44.0
% Employed Manufacturing, 1950	173	31.2	13.7	6.6	64.9
% Employed, 1950	173	94.6	1.9	88.3	98.0
Median Education, 1950	173	10.1	1.2	7.9	12.7
Family Income, 1950 (log)	173	8.1	0.1	7.6	8.6
% Incomes Below \$2000, 1950	173	21.4	7.5	10.0	48.8
% Housing Operations	170	0.017	0.020	0.000	0.115
Public Housing Units Per Capita	173	1104.9	802.8	0.0	3819.0

Table A6.2 Summary Statistics Open Housing Initiative Survey

Variable	Obs	Mean	Std. Dev.	Min	Max
Opposed to Fair Housing	4,860	0.630	0.483	0	1
Democratic Presidential Voter	4,860	0.591	0.492	0	1
Home Owner	4,860	0.712	0.453	0	1
Education Level	4,860	3.305	1.365	1	6
Age	4,860	3.021	1.535	1	6
Economic Level	4,860	5.007	1.755	1	10
White	4,860	0.933	0.250	0	1
Union Member	4,860	0.305	0.461	0	1

Chapter 7

Table A7.1: Summary Statistics Racial Polarization Data

Variable	Obs	Mean	Std. Dev.	Min	Max
Largest Racial Divide	91	0.481	0.213	0.016	0.934
H Index – multi-group	91	0.376	0.119	0.183	0.635
H Index – two-group	91	0.353	0.114	0.156	0.614
Diversity	91	0.623	0.088	0.323	0.736
% Asian	91	0.067	0.074	0.008	0.318
% Black	91	0.275	0.181	0.030	0.815
% Latino	91	0.229	0.155	0.009	0.605
Median HH Income	91	36725	10114	17268	75982
% Renters	91	0.535	0.092	0.368	0.718
% College Ed	91	0.167	0.056	0.049	0.359
Biracial contest	91	0.725	0.449	0	1
Nonpartisan Election	91	0.714	0.454	0	1
Primary Election	91	0.352	0.480	0	1
Population (logged)	91	14.166	0.826	13.065	15.921
White Ideology	86	3.835	0.648	2.667	5.250

Table A7.2: Cities included in Racial Polarization Data

City Name	Segregation		Largest Racial Divide, Number of Elections		
	Mean H Index Multi-Group	Mean H Index	Black/White	Latino/White	Black/Latino
		Two-Group			
Austin, TX	0.204	0.208	1		
Baltimore, MD	0.510	0.516	3	1	
Charlotte, NC	0.269	0.287	2		
Chicago, IL	0.572	0.460	7		1
Cleveland, OH	0.558	0.531	2		
Columbus, OH	0.316	0.284	3		1
Dallas, TX	0.359	0.339	4		1
Denver, CO	0.289	0.254	1	2	
Detroit, MI	0.398	0.255	1		1
Houston, TX	0.339	0.308	7		2
Indianapolis, IN	0.292	0.293			1
Jacksonville, FL	0.233	0.222	2		
Los Angeles, CA	0.351	0.366	3		5
Memphis, TN	0.470	0.474	2		
Milwaukee, WI	0.423	0.360	3		
New York, NY	0.468	0.474	5	3	1
Oklahoma, OK	0.231	0.165	1		
Philadelphia, PA	0.492	0.487	5		
Phoenix, AZ	0.255	0.270		1	
San Antonio, TX	0.237	0.225		4	
San Diego, CA	0.255	0.266	3		1
San Francisco, CA	0.223	0.161	3		1
San Jose, CA	0.186	0.198		2	1
Tucson, AZ	0.185	0.192	1		
Washington, DC	0.464	0.491	3		

Table A7.3: Summary Statistics Census of Government Finance and Population

Variable	Obs	Mean	SD	Min	Max
Direct General Expend per cap	16,831	1.332	1.304	0.022	78.010
Highways per cap	16,642	0.090	0.060	0.000	1.225
Parks per cap	16,673	0.209	0.109	0.000	1.746
Police per cap	15,809	0.069	0.073	0.000	2.564
Sewers per cap	13,832	0.106	0.089	0.000	1.762
Welfare, Health & Housing per cap	13,203	0.066	0.156	0.000	6.321
Own Source Revenue per cap	16,830	1.065	1.174	0.020	84.284
Two-Group H Index	16,831	0.074	0.094	0.000	0.767
Diversity	16,831	0.321	0.190	0.005	0.778
% Black	16,831	0.099	0.153	0.000	0.980
% Asian	16,831	0.034	0.057	0.000	0.674
% Latino	16,831	0.111	0.165	0.000	0.987
5 yr Δ % Black	14,284	0.007	0.019	-0.101	0.229
5 yr Δ % Latino	14,284	0.016	0.020	-0.171	0.207
5 yr Δ % Asian	14,284	0.005	0.011	-0.056	0.128
Median income	16,831	60112	24654	17320	266887
% Local Gov Employees	16,831	3.364	0.992	0.302	11.606
% Renters	16,831	0.358	0.140	0.009	0.911
% Over 65	16,831	0.127	0.051	0.007	0.798
% College degree	16,831	0.167	0.103	0.003	0.618
Population (logged)	16,831	10.107	1.030	6.071	15.921
City Ideology	2,524	4.028	0.788	1.000	7.000
Population	16,831	52940	205791	433	8214426

Table A7.4: Effect of Segregation on Public Goods

	Roads			Law Enforcement			Parks			Sewers			Housing/Welfare			Own Source Rev		
	β	SE	P> t	β	SE	P> t	β	SE	P> t	B	SE	P> t	β	SE	P> t	β	SE	P> t
Segregation	-0.033	0.01	0.02	-0.198	0.02	0.00	-0.044	0.02	0.03	-0.162	0.02	0.00	-0.156	0.05	0.00	-0.822	0.16	0.00
Diversity	0.017	0.01	0.06	0.060	0.01	0.00	0.012	0.01	0.25	0.041	0.01	0.00	-0.023	0.02	0.35	0.136	0.09	0.13
% Black	0.039	0.01	0.00	0.167	0.02	0.00	0.024	0.02	0.13	0.005	0.02	0.78	-0.013	0.07	0.86	0.321	0.13	0.01
% Asian	-0.069	0.02	0.00	-0.083	0.03	0.02	-0.069	0.03	0.01	-0.155	0.04	0.00	0.084	0.07	0.26	-0.508	0.23	0.02
% Latino	0.018	0.01	0.12	0.361	0.02	0.00	0.031	0.01	0.01	0.088	0.02	0.00	0.144	0.03	0.00	1.303	0.12	0.00
Median Income (1000s)	0.000	0.00	0.00	0.000	0.00	0.11	0.000	0.00	0.01	0.000	0.00	0.00	0.00	0.00	0.57	0.006	0.00	0.00
% Local Gov. Employees	0.000	0.00	0.81	-0.001	0.00	0.52	0.001	0.00	0.38	-0.002	0.00	0.28	-0.009	0.00	0.01	-0.006	0.01	0.64
% Renters	0.030	0.02	0.11	0.085	0.03	0.00	0.026	0.02	0.22	0.188	0.03	0.00	0.075	0.05	0.11	0.501	0.26	0.05
% Over 65	0.149	0.03	0.00	0.191	0.05	0.00	0.174	0.04	0.00	0.076	0.06	0.17	-0.081	0.08	0.29	0.648	0.47	0.17
% College Grad	0.189	0.02	0.00	0.842	0.04	0.00	0.399	0.04	0.00	0.382	0.04	0.00	0.447	0.09	0.00	4.452	0.37	0.00
Population (logged)	-0.020	0.00	0.00	-0.06	0.00	0.00	-0.006	0.00	0.02	-0.027	0.00	0.00	-0.024	0.01	0.00	-0.229	0.03	0.00
Constant	0.197	0.03	0.00	0.548	0.05	0.00	0.006	0.03	0.85	0.215	0.04	0.00	0.262	0.09	0.00	1.894	0.33	0.00
N	16,642			16,673			15,809			13,832			13,203			16,830		
Number of Cities	3,089			3,083			3,020			2,840			2,754			3,113		

Note: Linear regressions with fixed effects for cities, robust standard errors clustered by city presented

Table A7.5: First Stage Regression of Segregation on Waterways and Population

	Direct General Expenditure		
	β	SE	P> t
# Waterways	0.005	0.00	0.00
Population(logged)	0.028	0.00	0.00
Lagged DV	0.000	0.00	0.00
Diversity	0.085	0.00	0.00
% Black	0.137	0.00	0.00
% Asian	-0.209	0.01	0.00
% Latino	0.001	0.00	0.69
Median Income (1000s)	0.000	0.00	0.00
% Local Gov. Employees	-0.001	0.00	0.01
% Renters	0.011	0.00	0.00
% Over 65	0.255	0.01	0.00
% College Grad	-0.003	0.01	0.66
Constant	-0.271	0.00	0.00
N	25,669		

Note: First stage of two stage least squares regressions with fixed effects for regions and year (not shown); Instrumented: Two-group H Index of segregation; Excluded Instruments: # of Waterways, Population logged

Table A7.6: Summary Statistics Sewer Overflows, EPA

Variable	Obs	Mean	SD	Min	Max
Logged Overflows per capita	1,417	0.508	1.353	0.000	25.548
Racial Segregation	1,417	0.028	0.060	0.000	0.559
Population (logged)	1,417	8.414	1.701	3.091	15.122
% Renters	1,417	0.324	0.124	0.000	0.796
% Urban	1,417	0.609	0.467	0.000	1.000
% Black	1,417	0.086	0.164	0.000	0.978
% Asian	1,417	0.012	0.025	0.000	0.314
% Latino	1,417	0.053	0.092	0.000	0.884
Median Income (1000s)	1,417	37623	14287	13516	190805
Subventions Per Capita (1000s)	1,417	391.648	1397.263	0.000	50670.790

Chapter 8

Table A8.1: Summary Statistics Segregation Across Cities

Variable	Obs	Mean	Std. Dev.	Min	Max
Across-City Share of Racial Segregation	618	0.4080	0.1799	0.0000	0.8793
Across-City Share of Renter Segregation	618	0.3501	0.1481	0.0000	0.8021
Across-City Share of Wealthy Segregation	618	0.2909	0.1737	0.0000	0.7650
Minority Mayor	618	0.2751	0.4469	0.0000	1.0000
Direct General Expenditure Per Capita	618	1.3443	0.9529	0.3131	9.9550
% Spent on Policing	618	0.1408	0.0511	0.0393	0.3244
Crime Rate	618	0.0917	0.0426	0.0000	0.4194
Population (logged)	618	12.0515	0.9916	9.8635	15.1231

Table A8.2: Suburban Land Use Regulation and Segregation

	Racial Segregation			Renter Segregation			Wealth Segregation		
	β	SE	P> t	β	SE	P> t	β	SE	P> t
Suburban Land Use Regulation	0.04	0.02	0.01	0.037	0.01	0.00	0.036	0.01	0.01
# Elementary Schools	0.001	0.00	0.00	0.001	0.00	0.00	0.002	0.00	0.00
Constant	0.409	0.02	0.00	0.303	0.01	0.00	0.277	0.02	0.00
R ²	0.120			0.121			0.181		
N	151			151			151		

Chapter 9

Table A9.1 Summary Statistics: Democratic Vote Share, 2008, Harvard Elections Database Archive

Variable	Obs	Mean	Std. Dev.	Min	Max
% Democratic Vote, 2008	44,958	0.623	0.200	0.054	1.000
Tract-Metro Difference in % White, 1970	44,958	0.019	0.216	-0.939	0.553
% White 2000	44,958	0.637	0.320	0.000	1.000
% Renters 2000	44,958	0.377	0.249	0.000	1.000
% Wealthy 2000	44,958	0.167	0.159	0.000	1.000
Density	44,958	0.003	0.005	0.000	0.089
Midwest	44,958	0.241	0.427	0.000	1.000
South	44,958	0.298	0.458	0.000	1.000
West	44,958	0.226	0.418	0.000	1.000
Proportional Tract-Metro Elevation Diff.	44,956	-0.195	0.556	-1.007	19.336
Waterfront Tract	44,958	0.203	0.402	0.000	1.000
Distance to City Center (logged)	44,958	9.692	1.010	3.643	12.228

Table A9.2 Summary Statistics: Modern Partisanship and Conservatism, General Social Survey

Variable	Obs	Mean	Std. Dev.	Min	Max
Partisan Identification	11,674	2.680	1.953	0.000	6.000
Political Ideology	9,376	4.039	1.419	1.000	7.000
Republican Pres. Vote	10,804	0.334	0.472	0.000	1.000
Tract-Metro Difference in % White, 1970	11,674	0.039	0.182	-0.863	0.342
White, non-Hispanic	11,674	0.689	0.463	0.000	1.000
Ago	11,674	46	17	18	89
Education	11,674	1.624	1.213	0.000	4.000
Female	11,674	0.555	0.497	0.000	1.000
Kids at home	11,674	0.617	1.049	0.000	8.000
Married	11,674	0.457	0.498	0.000	1.000
Income	11,674	51987	42442	407	178266
Mover	10,640	0.617	0.486	0.000	1.000
% White Tract	11,674	0.649	0.296	0.000	0.994
% Homeowners Tract	11,674	0.617	0.247	0.000	0.995