

Age and Signage: The Correlation between the Age of a Population and its Material Culture

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Abstract: This study has two objectives. Firstly, this study will determine if there exists a correlation between the age of a population and the properties of the ARRET, STOP, and/or ARRET/STOP signs in Montreal areas. By comparing the percentage of various age groups to the percentage of signs of all linguistic types in a specific area, it is determined that there is some correlation between age and signage language, perhaps due to historical occurrences regarding linguistic and cultural tensions in a given area. Secondly, by comparing sign density in areas with different population compositions in terms of age groups, it is determined that there is no correlation between sign density and age.

Introduction

The age of a population can have important consequences on society and culture. The post-World War II “baby boom” is one example. This population explosion following the repatriation of soldiers after the war has had far reaching impacts on society including economic, cultural and social elements. From housing crises to poverty issues to psychedelic culture, the baby boomers changed the social landscape of Canada and countries around the world. Today, we are still feeling the effects of this generation due to the “baby boom echo”, the void in the labour force left by retiring baby boomers. Indeed, the question of population ages and culture are inherently linked.

Age can have a significant impact on interpretations of the archaeological record. Take for example the analysis of the Neandertal specimen La Chapelle aux Saints 1. Discovered in La Chapelle-aux-Saints, France by A. and J. Bouyssonie, and L. Bardon in 1908, the skeleton was originally taken as a representative sample of Neandertal physique – hence the stereotype of Neandertals as walking clumsily with the head thrust forward and a stooping posture. It was later discovered that the specimen was actually an elderly and arthritic individual who was not at all representative of Neandertals in general. Furthermore, the discovery of an aged individual changed the way Neandertal society in general was viewed; La Chapelle aux Saints 1 could not have survived on his own, and so provides evidence for altruism in Neandertal society.

Consequently, the aim of this study is to discover what influence, if any, age of population exerts on the contemporary material culture of Montreal in terms of both its ideological and practical significance. To avoid confusion, when discussing specific signs regarding language, the words on the sign will be specified (i.e. STOP, ARRET, or ARRET/STOP) but when discussing signs more generally or when language is not pertinent to the discussion, the generic term ‘signs’ will be used. The linguistic properties will be investigated because of the social and cultural significance of language in Montreal. There has been a concerted effort by municipal and provincial authorities to preserve the French language and ensure its success among younger generations. The hypothesis of this study is that age and the language on a sign may be significantly correlated, either as indicative of an attempt by authorities to

reinforce French patterns of thought and culture among youth or as reflective of the success of the governments' efforts to increase French language use among the younger generation.

Sign density is another factor in that may correlate with population age. It is the hypothesis of this study that certain areas will have a higher or lower frequency of signs in accordance with the population age groups in a given area. It is possible that areas with greater percentages of younger children and/or the elderly will have a greater relative number of signs because both the presence of younger children and the elderly would increase concerns for public safety. A higher relative number of signs would regulate and slow traffic flow in the area. For them, there is a concern for safety that would either affect their decision to live in a given area or encourage governing civic bodies and municipal authorities to improve signage in the area. Areas with a higher percentage of younger children would generally include school zones, parks, and small streets without traffic lights. Parents would either choose areas because they are suitable for children to live in based on public safety features, such as signs, or would instigate the placement of more signs in previously unsigned and unsafe areas. The elderly also share similar interests in regard to safety. For instance, elderly citizens might have limited mobility, placing them in danger when they are pedestrians, and slower reaction times and reflexes (making slower drivers an asset); signs placed in areas with these conditions would limit the speed of traffic flow to ensure a lower level of danger and accidents. Therefore, areas where there is a higher population of children and elderly would have and need more signs than areas where adults are more prevalent.

Methods

A) Linguistic Properties of Signs

To test the potential correlation between age and the ideological function of signs in the Montreal area, the percentage of STOP, ARRET, and ARRET/STOP signs in each census tract (CT) was calculated for every sign for which this data was available. The CT was chosen as a unit of special analysis because it is small enough to represent distinct areas that may vary in characteristics but are not too small to be a reasonable sample size. Then the percentage of each age group given by Statistics Canada Census 2006¹ for the population of each CT was calculated for all CTs with appropriate data. This data was then combined and the population was broken down into three age groups: 0 – 19, 20 – 64, and 65 and over. These groups were chosen because they represent each CT's percentage of youth, adults and the elderly. Youth is considered the portion of the population that is likely to live with a parent or guardian. The elderly are people above the typical age of retirement. The adult category encompasses all those in between the other two categories who generally do not require special treatment because of special needs or characteristics associated with age. Moreover, each group can be said to represent a different generation of Montrealers. Three scatter-plot graphs were made for each age group showing the percent of each age group in a given CT's population versus the percent of STOP, ARRET, and ARRET/STOP signs for which linguistic data was collected in each CT. Trendlines were then calculated on each graph to determine the statistical significance of the data. The sign language data came from the accumulated group data from all collaborators on the STOP: Toutes Directions project (see Master Data Sheet).

B) Density of signs

To determine the frequency of signs in each CT, the number of signs in each CT was divided by the number of intersections in each CT to create a ratio indicating the density of signs in each area. It was important to take into account the vast differences in geographical boundaries of all the CTs; using a ratio allows CTs of different sizes to be compared. The sign density was thus calculated by dividing the number of signs by the number of intersections in each CT. Then, the

¹For complete statistical reference on any given census tract, please refer to Census Tract Profiles, Census 2006 from Statistics Canada <http://www12.statcan.ca/english/census06/data/profiles/ct/Index.cfm?Lang=E>

sign density ratio was compared to the percent of each age group in a given CT. The same groups were used as in part A. These two variables were graphed on a scatter-plot and trendlines were calculated to determine if there exists a statistically significant relationship between sign density and the age of an area's population.

Results

A) Linguistic Properties of Signs

For the investigation of language, only some of the age groups indicated any correlation with ARRET, STOP, or ARRET/STOP signs. The trendline on the scatter-plot comparing the percent of 0-19 age group with the percent of ARRET signs yielded no statistical significant relationship ($R^2 = 0.116$, see figure 1). Likewise, there was no statistical significance found in the relationships between the percent of 0-19 age group and either percent of STOP signs ($R^2 = 0.0908$, see figure 2) or ARRET/STOP signs ($R^2 = 0.0521$, see figure 3). The trendline for both the percentage of 20-64 age group and ARRET signs ($R^2 = 0.4271$, see figure 4) as well as the percentage of 20-64 age group and STOP signs ($R^2 = 0.3393$, see figure 5) showed significant statistical significance. However, no statistical significance was found for the correlation between the percent of 20-64 age group and ARRET/STOP signs ($R^2 = 0.1772$), see figure 7). Additionally, no correlation was found using trendline for percent of 65 and over age group and percent of ARRET signs ($R^2 = 0.2869$, see figure 7), for percent of 65 and over age group and percent of STOP signs ($R^2 = 0.2304$, see figure 8), and for percent of 65 and over age group and percent of ARRET/STOP signs ($R^2 = 0.1067$, see figure 9).

B) Density of Signs

By comparing the ratio of number of signs to number of intersections of each CT and then comparing that ratio with the percent of the population in each CT of each age category, it was determined that there was no statistically significant relationship between age and sign density. The trendline on the graph comparing sign density with the 0-19 age group had $R^2 = 0.2842$ (see figure 10); the trendline for the scatter-plot comparing sign density with the 20-64 age group had $R^2 = 0.003$ (see figure 11); and the trendline for the scatter-plot comparing sign density with the 65 and over age group had $R^2 = 0.1663$ (see figure 12).

Discussion

A) Linguistic Properties of Signs

The investigation of the potential correlation between linguistic characteristics of signs in a given CT and the age of the CT's population did not support the hypothesis that younger areas would have more ARRET signs. This would have been indicative perhaps of an increasingly French cultural landscape in Montreal or of the city's or province's attempt to cultivate French language and culture in the younger generation by reinforcing patterns of thought regarding French language and culture. Instead, it was discovered that the only correlation between population age and sign language occurred regarding unilingual signs (either STOP or ARRET) among the 20-64 age group. CTs with a relatively small percentage of people aged 20-64 tended to have predominantly STOP signs, while CTs with a relatively high percentage of people in the adult age group tended toward almost entirely ARRET signs. In both graphs, a division is clearly visible upon inspection.

Perhaps this result can be explained by a recent chapter in Montreal's long history of language related tension. From the 1960s into the 1980s there occurred a period of intense debate regarding language in Quebec. Notable events include the terrorist activities of the FLQ (Front de liberation du Quebec), the Charter of the French Language or Bill 101, and a referendum

regarding Quebec separating from the rest of Canada. These historical events created a further divide between Montreal's Anglophone and Francophone communities. Indeed, many Anglophones left because of the linguistic and cultural tensions. Perhaps the sharp divide seen in figures 4 and 5 can be explained by this generation's experience. Areas with a low percentage of adults prove almost always to have mostly STOP signs. Perhaps this reflects communities that used to have a large number of people from this generation but that decreased drastically in number when Anglophone adults, who are of the correct age to have been affected by this period of tension, left Anglophone areas of concentration and relocated outside of Montreal; indeed, Toronto received a large number of Anglophone ex-Montrealers during this period. The immigration of Anglophones who would now be aged 20-64 left, and consequently Anglophone areas have smaller numbers of people from this generation than French neighbourhoods, whose occupants did not leave and thus have higher percentages of adults.

This pattern does not occur with the elderly, possibly because they were already well established in their neighbourhoods and despite linguistic strife were less likely to move. The younger age group may be harder to explain, since children and youth usually live with parents or guardians; however it is possible that adults with families often move to areas with good schools and are more likely to move to linguistically diverse areas. For families, there may be incentives that overcome the language and cultural barrier that are not present for adults without the consideration of children. However, this is not to say that age is the sole factor influencing sign placement. There may be other factors that contribute to or explain sign distribution. Indeed, it is likely that the patterns in age regarding sign linguistics seen in this study are an effect of some more powerful force rather than a cause. The theory presented above is only one potential explanation, and a much more comprehensive research would be necessary to fully deal with this issue. However, what the data has shown it that there is no significant correlation between the presence of young population groups and sign linguistics.

B) Density of Signs

The data has clearly shown that the hypothesis of this study – that there would be higher sign density in areas with a high concentration of children and youth and/or the elderly – is not supported by the data. There may be several explanations for this. It is possible that the authorities that are responsible for sign placement have not considered the potential need to slow traffic in areas with greater numbers of vulnerable individuals, and have overlooked the necessity for increasing signage density there. There may not be the funding available to add additional signs to intersections that already have some, if not many, signs; authorities may feel that other public safety issues are more pressing. Furthermore, it is possible that there are more traffic lights in places with high populations of children or the elderly, so the need for signs at intersections is decreased. If dangerous intersections are made safer by traffic lights as opposed to signs, there may be no need to add signs to other intersections that are already relatively safe.

Indeed, the lack of significant correlation between sign density and age may not indicate disinterest in public safety. Perhaps when parents choose an area in which to raise a family there are more pressing safety concerns, such as crime rate, that make signage a secondary issue. Or, if parents do complain about safety at intersection, it is possible bureaucracy prevents an adequate response. Additionally, the effectiveness of the sign itself as a safety mechanism is not determinable with the statistical data presented above. Parents and others looking to improve public safety may not consider signage the best method to do so. Also, this analysis assumed that signs are placed only for the purpose of regulating local traffic. It is possible that signs may be placed at intersections that do not constitute a true "neighbourhood" and that are high traffic areas not often frequented by local pedestrians. Among the elderly, it is possible that the population lacks an awareness of slower reflexes and decreased driving ability that would initiate a call from residents for more signs; likewise very young and inexperienced drivers may not realize their lack of skill. Although it seems logical that slowing traffic would be a good measure to

increase public safety in areas where pedestrians are likely to lack awareness and/or mobility, there are many other elements that contribute to the situation which may have lead to the results above.

References

Davis, Emily C. (1938, June 4). An Ancient Age of Youth. *The Science News-Letter*. 366-368.

Appendix A

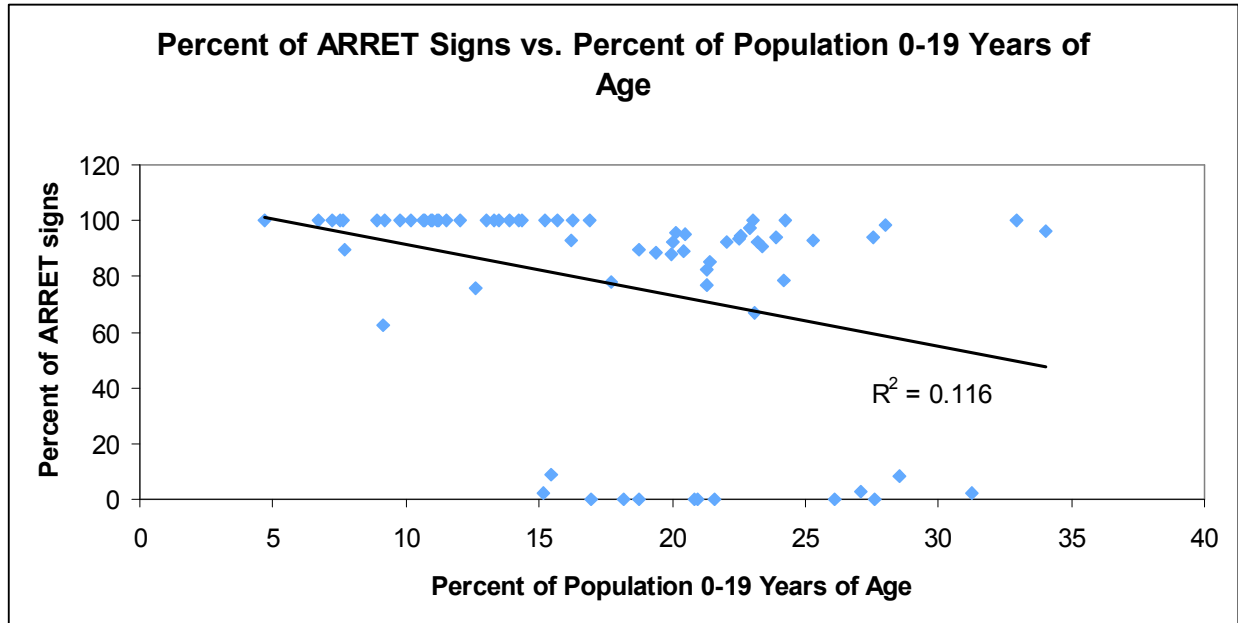


Figure 1

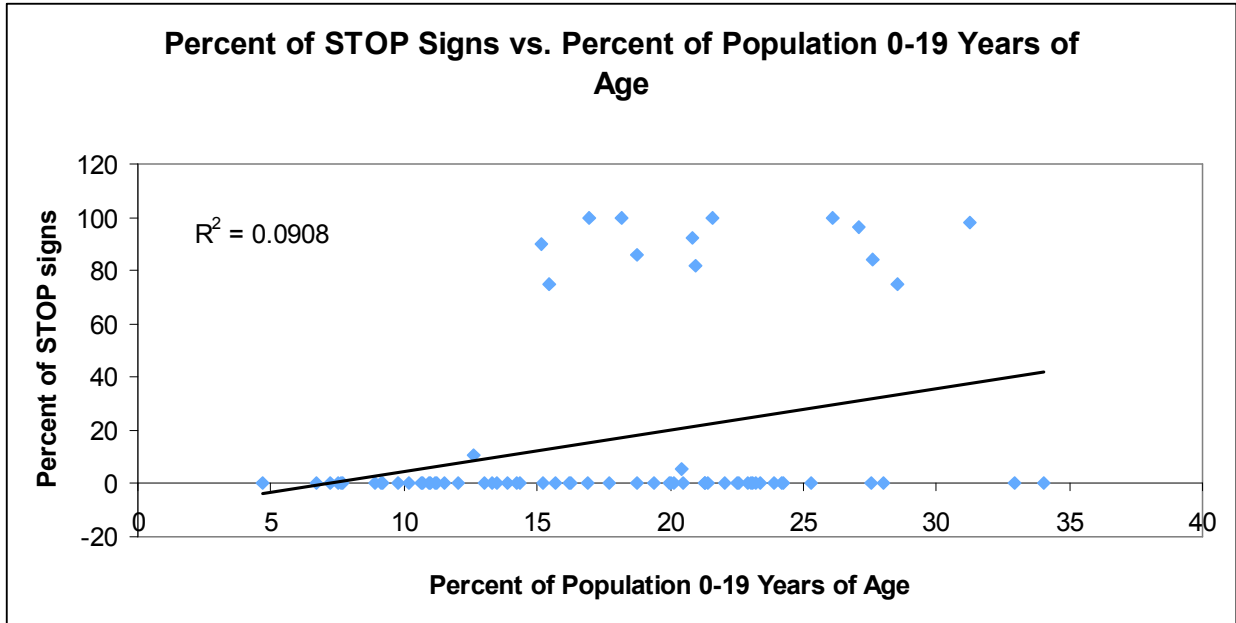


Figure 2

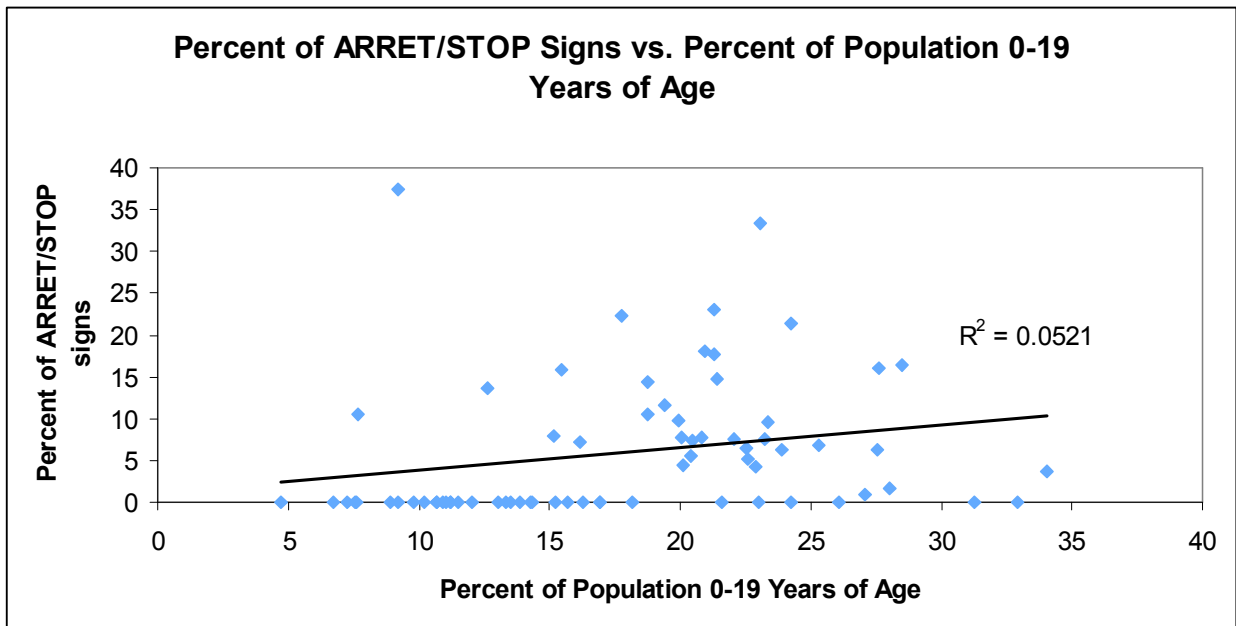


Figure 3

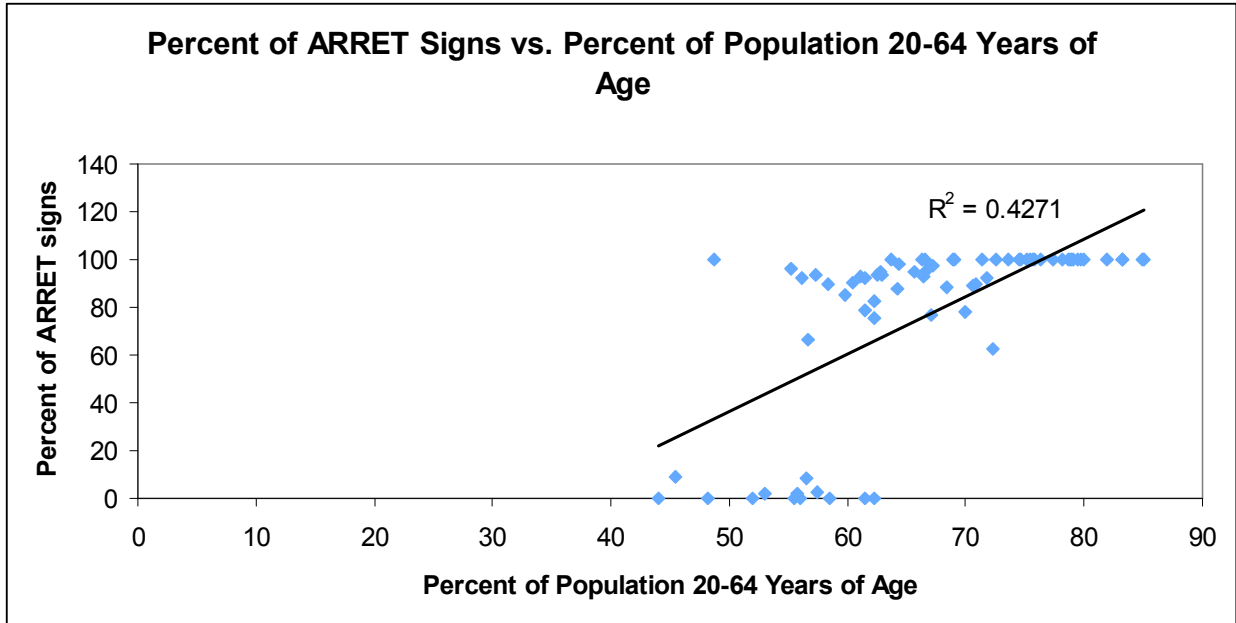


Figure 4

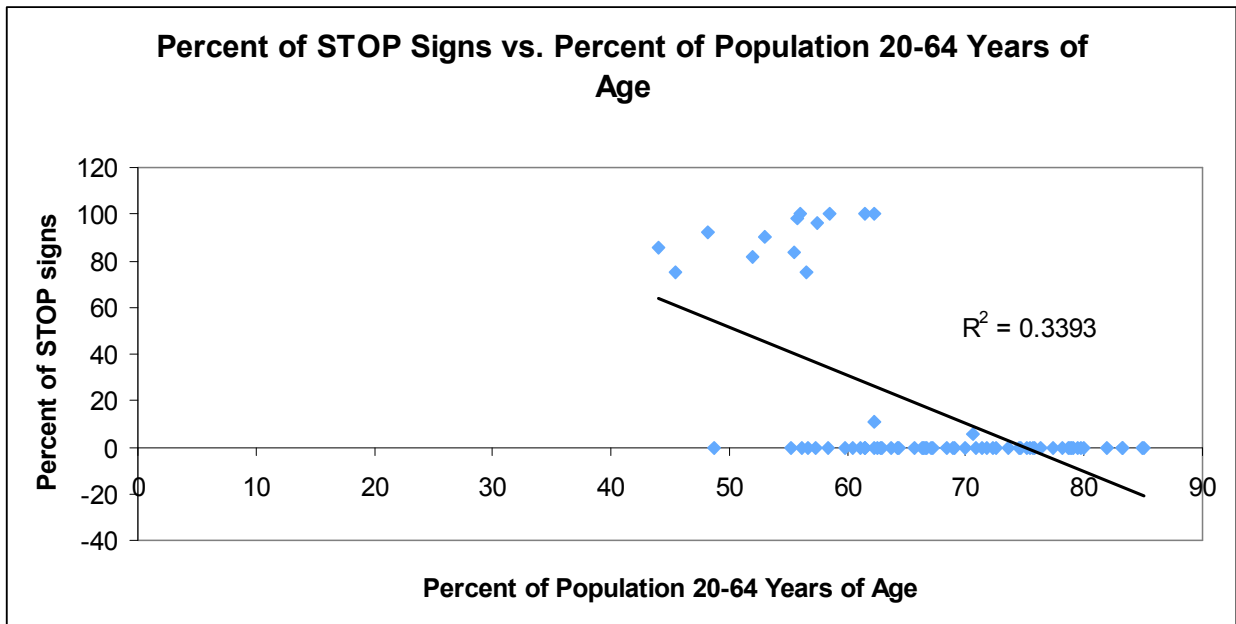


Figure 5

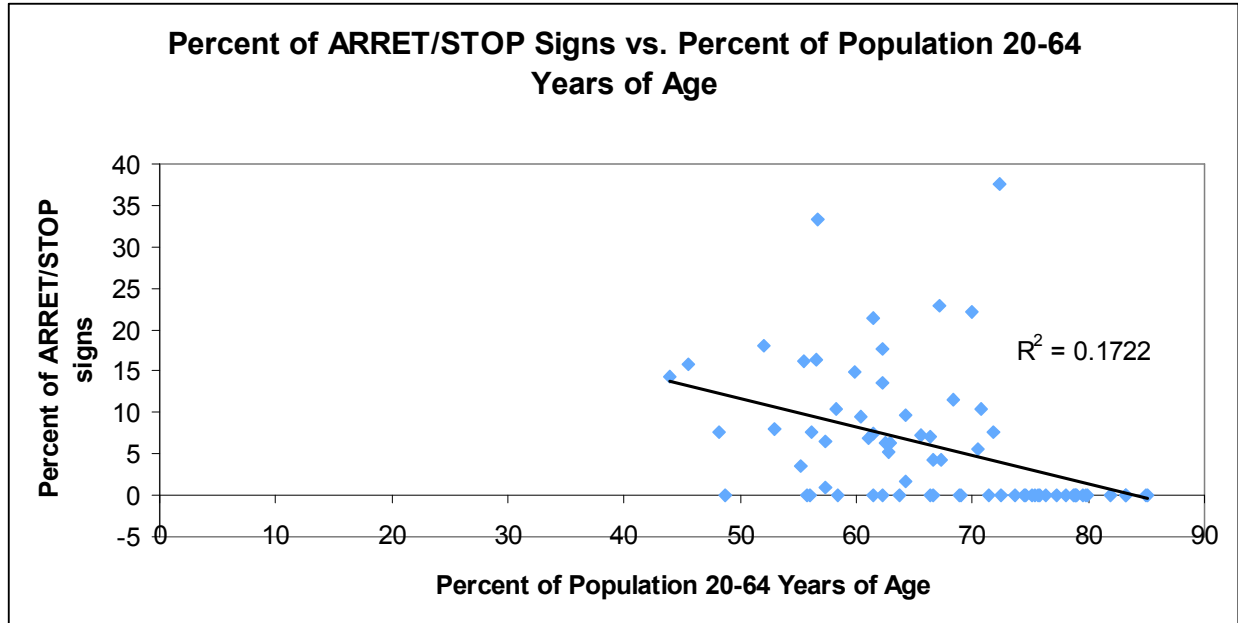


Figure 6

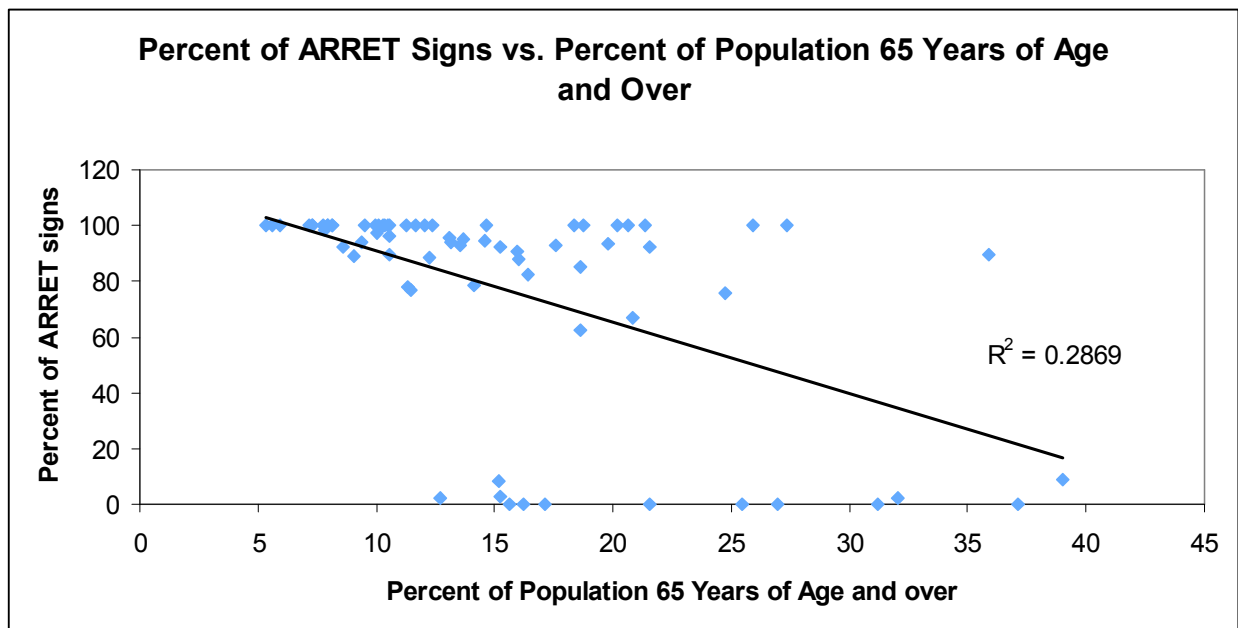


Figure 7

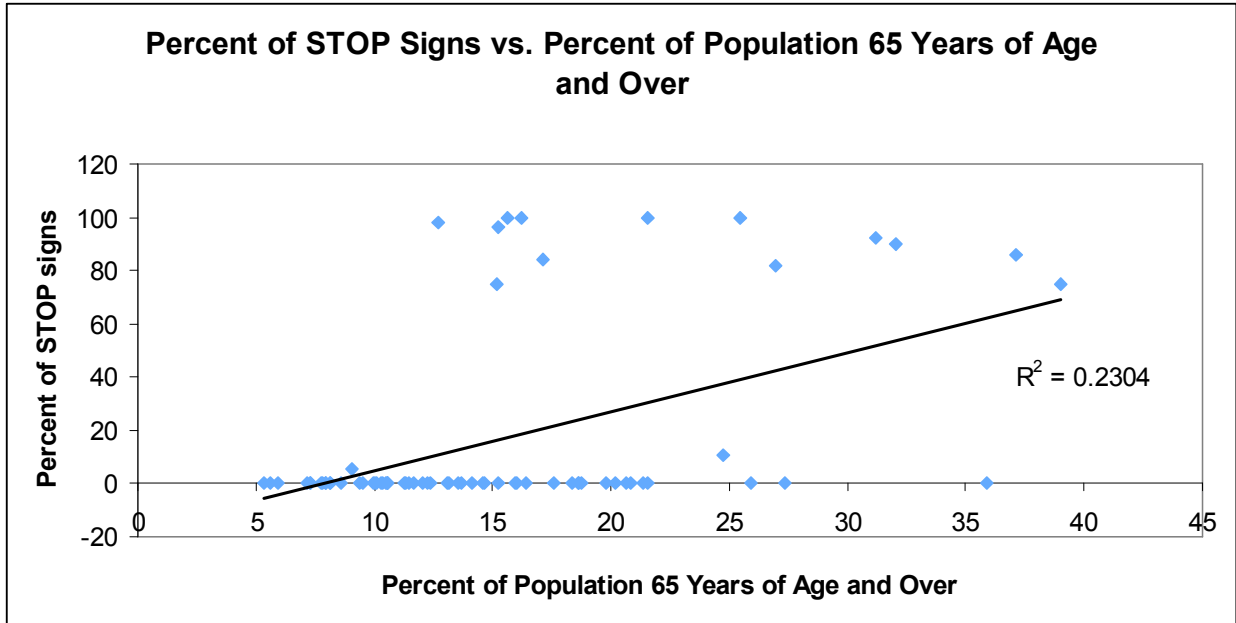


Figure 8

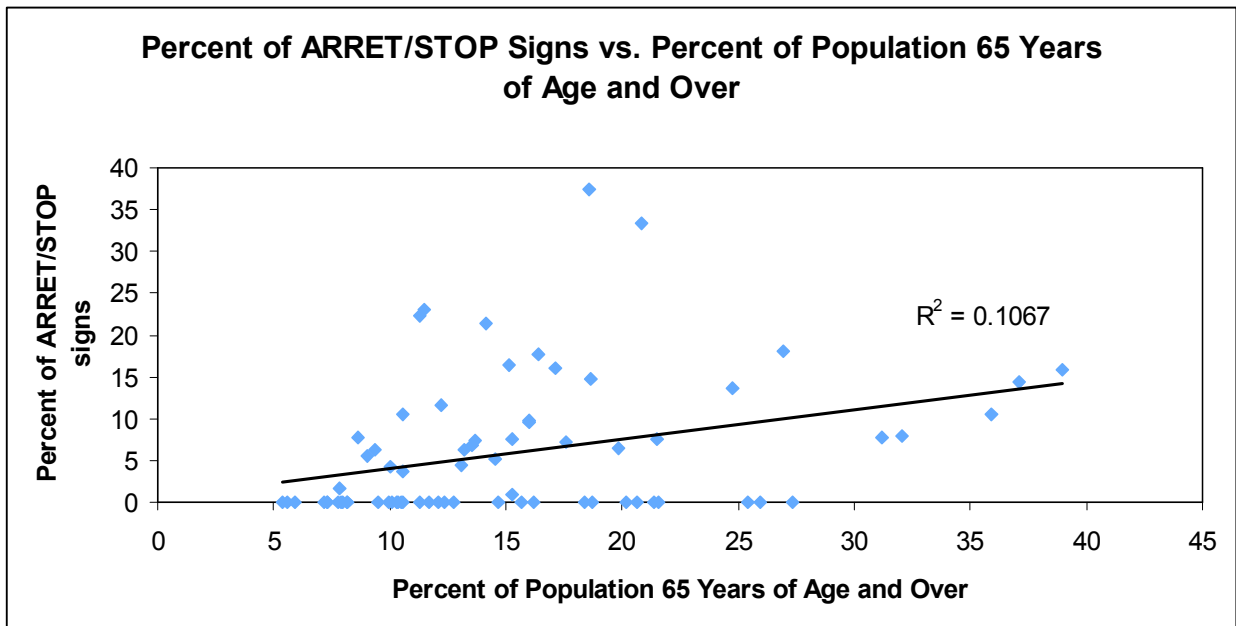


Figure 9

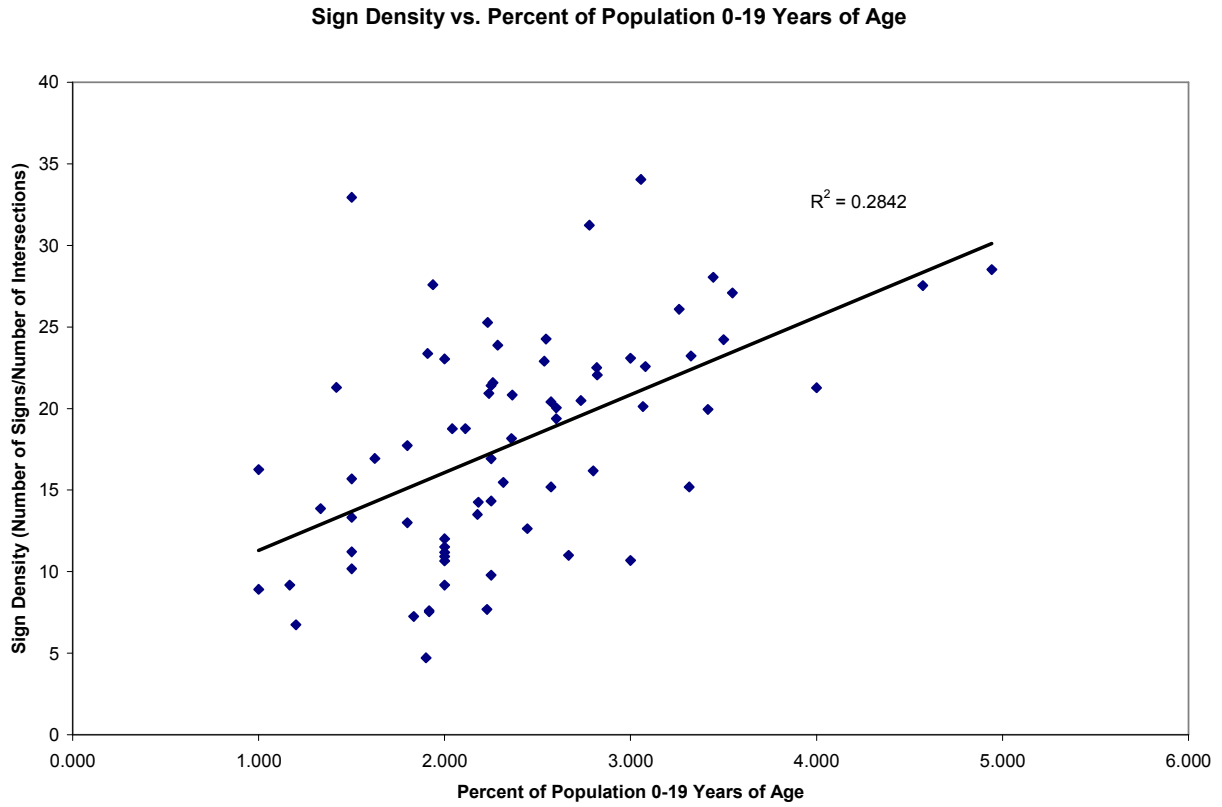


Figure 10

Sign Density vs. Percent of Population 20-64 Years of Age

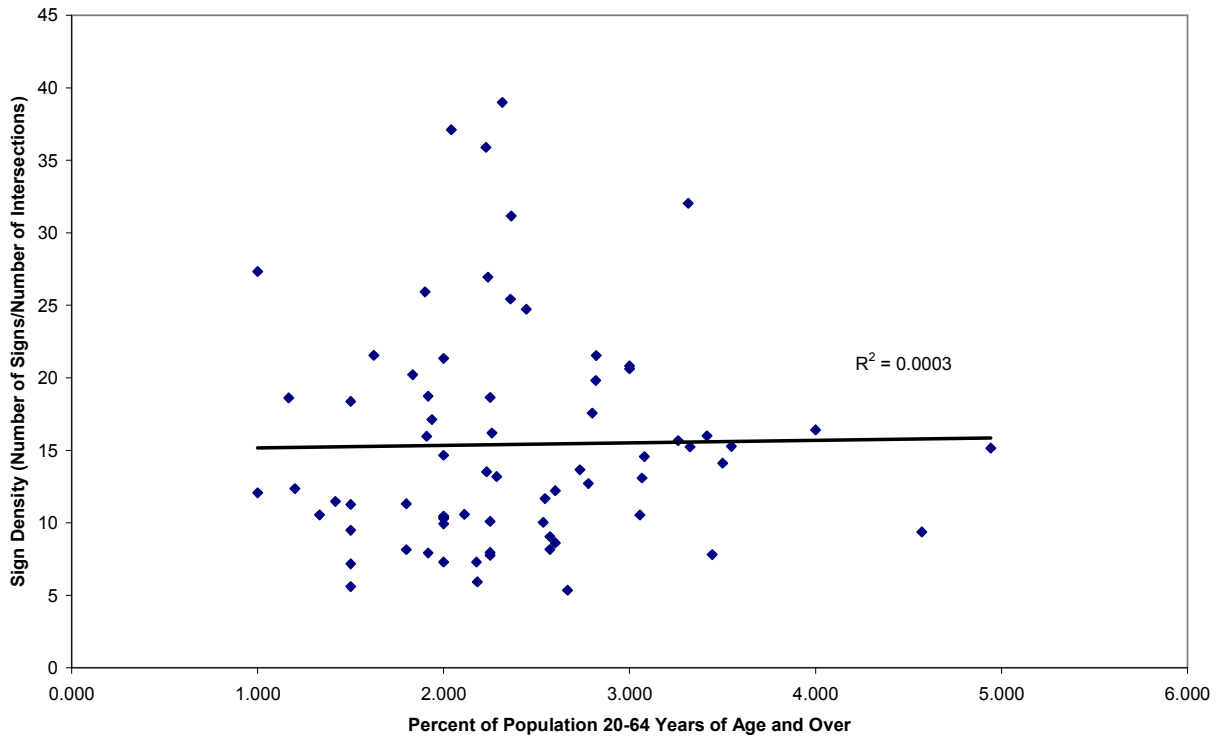


Figure 11

Sign Density vs. Percent of Population 65 Years of Age and Over

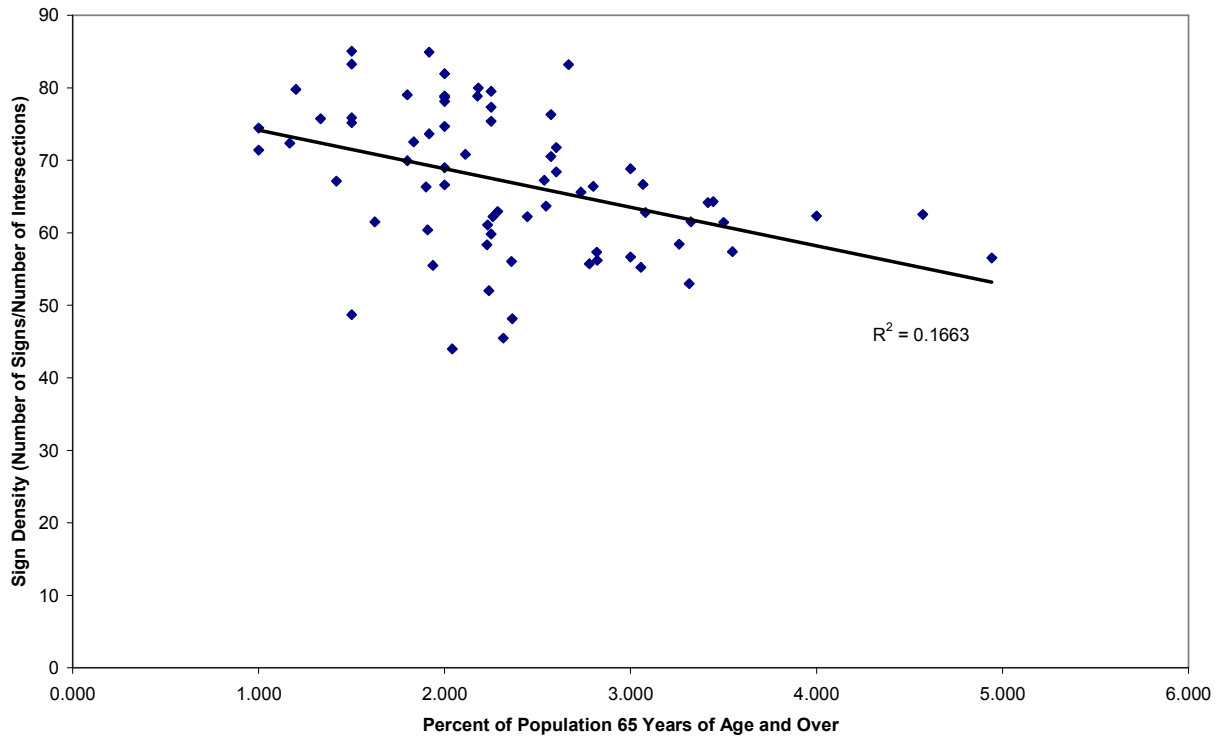


Figure 12

Appendix B: Additional Data

CT	Number ARRET	Number STOP	Number ARRET/STOP	Total number	Percent ARRET	Percent STOP	Percent ARRET/STOP
0056.00:	19	0	0	0	19	100	0
0058.00:	10	0	0	0	10	100	0
0059.00:	22	0	0	0	22	100	0
0060.00:	9	0	0	0	9	100	0
0061.00:	9	0	0	0	9	100	0
0062.00:	43	0	5	48	89.583	0	10.417
0063.00:	6	0	0	0	6	100	0
0065.01:	10	0	0	0	10	100	0
0065.02:	6	0	0	0	6	100	0
0066.01:	9	0	0	0	9	100	0
0066.02:	22	0	0	0	22	100	0
0094.01:	47	0	14	61	77.049	0	22.951
0095.00:	6	0	0	0	6	100	0
0096.00:	12	0	1	13	92.308	0	7.692
0097.01:	17	0	2	19	89.473	0	10.526
0097.02:	13	0	1	14	92.857	0	7.142
0098.00:	123	0	10	133	92.281	0	7.519
0099.00:	73	0	6	79	92.405	0	7.595
0100.00:	73	0	4	77	94.805	0	5.195
0101.01:	29	0	2	31	93.548	0	6.451
0101.02:	27	0	2	29	93.103	0	6.897
0102.00:	44	0	2	46	95.652	0	4.348
0103.00:	18	0	0	18	100	0	0
0104.00:	28	0	0	28	100	0	0
0105.00:	23	0	3	26	88.462	0	11.538
0106.00:	7	0	2	9	77.778	0	22.222
0107.00:	6	0	0	0	6	100	0
0108.00:	23	0	4	27	85.185	0	14.815
0109.00:	5	0	0	0	5	100	0
0110.00:	16	1	1	18	88.889	5.556	5.556
0111.00:	56	0	12	68	82.352	0	17.647
0112.01:	53	0	2	55	96.364	0	3.634
0112.02:	16	0	8	24	66.667	0	33.333
0113.00:	69	0	3	71	97.183	0	4.225
0114.00:	39	0	3	41	95.122	0	7.317
0115.01:	15	0	1	16	93.75	0	6.25
0115.02:	12	0	0	0	12	100	0
0116.00:	36	0	4	41	87.804	0	9.756
0117.00:	11	0	3	14	78.571	0	21.429
0118.00:	30	0	2	32	93.75	0	6.25
0119.00:	61	0	1	62	98.387	0	1.613
0120.00:	19	0	2	21	90.476	0	9.524
0128.00:	50	7	9	66	75.758	10.606	13.636
0129.00:	2	0	0	0	2	100	0
0129.02:	5	0	3	8	62.5	0	37.5

0130.00:	16	0	0	16	100	0	0
0131.00:	4	0	0	4	100	0	0
0132.00:	23	0	0	23	100	0	0
0133.00:	18	0	0	18	100	0	0
0134.00:	3	0	0	3	100	0	0
0135.00:	18	0	0	18	100	0	0
0136.00:	37	0	0	37	100	0	0
0137.00:	16	0	0	16	100	0	0
0138.00:	8	0	0	8	100	0	0
0139.00:	24	0	0	24	100	0	0
0161.00:	18	0	0	18	100	0	0
0162.00:	36	0	0	36	100	0	0
0163.00:	18	0	0	18	100	0	0
0350.00:	0	34	0	34	0	100	0
0351.00:	1	45	4	50	2	90	8
0352.00:	0	55	0	55	0	100	0
0353.00:	0	54	0	54	0	100	0
0354.00:	2	95	0	97	2.062	97.938	0
0355.00:	0	58	0	58	0	100	0
0356.00:	3	106	1	110	2.727	96.364	0.909
0370.00:	29	256	56	341	8.504	75.073	16.422
0380.00:	0	77	17	94	0	81.914	18.085
0382.01:	0	42	7	49	0	85.714	14.286
0382.02:	0	52	10	62	0	83.871	16.129
0383.01:	0	48	4	52	0	92.308	7.692
0383.02:	8	66	14	88	9.091	75	15.909

Figure 13 Data used for linguistic analysis; this represents all the signs for which both linguistic and population data was available

CT	Number of Signs	Number of Intersections	Ratio (Number of Signs to Number of Intersections
0056.00:	19	10	1.900
0058.00:	11	6	1.833
0059.00:	23	12	1.917
0060.00:	9	6	1.500
0061.00:	9	6	1.500
0062.00:	49	22	2.227
0063.00:	6	5	1.200
0065.01:	10	5	2.000
0065.02:	6	3	2.000
0066.01:	9	5	1.800
0066.02:	22	11	2.000
0094.01:	61	43	1.419
0095.00:	6	4	1.500
0096.00:	13	5	2.600
0097.01:	19	9	2.111
0097.02:	14	5	2.800
0098.00:	133	40	3.325
0099.00:	79	28	2.821
0100.00:	77	25	3.080
0101.01:	31	11	2.818
0101.02:	29	13	2.231
0102.00:	46	15	3.067
0103.00:	18	9	2.000
0104.00:	28	11	2.545
0105.00:	26	10	2.600
0106.00:	9	5	1.800
0107.00:	6	4	1.500
0108.00:	27	12	2.250
0109.00:	5	5	1.000
0110.00:	18	7	2.571
0111.00:	68	17	4.000
0112.01:	55	18	3.056
0112.02:	24	8	3.000
0113.00:	71	28	2.536
0114.00:	41	15	2.733
0115.01:	16	7	2.286
0115.02:	12	4	3.000
0116.00:	41	12	3.417
0117.00:	14	4	3.500

0118.00:	32	7	4.571
0119.00:	62	18	3.444
0120.00:	21	11	1.909
0128.00:	66	27	2.444
0129.01:	2	2	1.000
0129.02:	7	6	1.167
0130.00:	16	6	2.667
0131.00:	4	3	1.333
0132.00:	23	12	1.917
0133.00:	18	9	2.000
0134.00:	3	2	1.500
0135.00:	18	8	2.250
0136.00:	37	17	2.176
0137.00:	16	8	2.000
0138.00:	8	4	2.000
0139.00:	24	11	2.182
0161.00:	18	8	2.250
0162.00:	36	16	2.250
0163.00:	18	7	2.571
0350.00:	39	24	1.625
0351.00:	63	19	3.316
0352.00:	59	25	2.360
0353.00:	75	23	3.261
0354.00:	100	36	2.778
0355.00:	61	27	2.259
0356.00:	110	31	3.548
0370.00:	341	69	4.942
0380.00:	94	42	2.238
0382.01:	49	24	2.042
0382.02:	62	32	1.938
0383.01:	52	22	2.364
0383.02:	88	38	2.316

Figure 14 Number of Signs and Number of Intersections per CT

Appendix C: Percentages of Population of Each Age Category in All Surveyed Census Tracts

CT (462xxxx.xx)	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44
0056.00:	0.673	0.673	0.673	2.694	5.051	6.734	7.744	6.061	7.407
0057.00:	x	x	x	x	x	x	x	x	x
0058.00:	3.109	1.554	0.518	2.073	9.845	12.435	11.917	8.290	6.218
0059.00:	2.642	1.887	1.132	1.887	13.208	16.226	10.943	9.434	6.038
0060.00:	5.248	9.329	9.913	8.455	4.665	2.332	2.915	4.956	6.997
0061.00:	2.804	1.869	2.804	3.738	12.150	15.888	10.280	8.411	7.477
0062.00:	0.641	1.282	1.923	3.846	9.615	10.897	7.051	7.051	5.769
0063.00:	1.124	0.000	1.124	4.494	20.225	13.483	10.112	5.618	8.989
0065.01:	3.241	1.459	1.216	5.024	24.392	18.152	12.318	8.185	4.214
0065.02:	3.488	2.326	1.550	4.651	18.217	17.054	9.690	7.946	6.202
0066.01:	3.301	1.942	2.524	5.243	16.699	15.728	11.845	7.573	6.408
0066.02:	2.233	1.737	1.737	3.474	10.918	14.144	10.174	6.948	5.955
0094.01:	6.035	4.862	4.946	5.448	8.215	9.891	9.472	8.969	8.550
0095.00:	3.218	3.678	2.759	3.678	15.862	17.471	10.805	8.966	5.517
0096.00:	4.895	4.662	5.128	5.361	11.655	12.354	8.625	7.925	7.692
0097.01:	5.012	5.091	4.455	4.216	6.364	10.263	11.695	10.660	9.149
0097.02:	4.801	3.155	3.704	4.527	7.270	9.739	11.660	10.837	7.407
0098.00:	5.172	6.171	6.171	5.717	6.624	4.719	6.080	7.350	8.802
0099.00:	5.882	5.567	5.252	5.357	5.987	5.462	5.882	6.723	6.933
0100.00:	5.906	5.512	5.709	5.446	6.234	6.693	7.808	9.186	9.055
0101.01:	5.510	5.510	5.744	5.744	5.862	6.800	6.565	7.620	7.620
0101.02:	6.321	6.321	6.448	6.195	6.448	6.827	7.965	8.723	8.850
0102.00:	4.321	4.938	4.938	5.926	6.543	7.407	7.284	8.025	7.778
0103.00:	4.564	4.772	7.261	6.432	7.469	5.809	5.809	7.054	9.336
0104.00:	4.562	7.117	6.569	6.022	7.299	5.474	5.292	6.204	7.847
0105.00:	6.107	3.817	4.427	5.038	7.023	9.008	8.244	8.550	7.634
0106.00:	5.141	3.085	4.370	5.141	7.712	10.540	8.226	10.026	6.427
0107.00:	3.650	3.650	4.015	4.380	11.679	14.234	10.584	10.219	8.029
0108.00:	4.156	5.542	5.668	6.045	6.675	6.171	6.171	6.045	7.053
0109.00:	4.187	3.448	4.433	4.187	10.099	11.330	10.837	8.128	6.650
0110.00:	5.039	5.685	5.039	4.651	8.140	10.336	10.594	11.111	9.173
0111.00:	6.003	5.395	4.787	5.091	6.611	7.675	6.915	7.371	8.359
0112.01:	9.108	9.108	8.725	7.095	5.849	7.574	7.191	8.054	7.191
0112.02:	6.712	6.030	5.688	4.664	5.347	6.940	7.622	7.509	8.419
0113.00:	6.725	5.361	4.483	6.335	9.064	9.942	8.187	8.285	7.602
0114.00:	4.634	4.878	5.854	5.122	8.780	10.732	7.317	8.049	5.366
0115.01:	5.473	4.975	6.468	6.965	8.209	5.970	6.716	7.463	7.463
0115.02:	3.311	1.868	2.122	3.396	10.441	13.497	9.762	7.385	5.603
0116.00:	5.772	4.868	4.590	4.729	10.153	10.362	9.388	8.345	7.232

0117.00:	6.778	6.778	6.000	4.667	6.667	7.778	8.889	10.000	9.111
0118.00:	7.111	6.885	6.208	7.336	9.029	7.675	7.223	7.901	7.675
0119.00:	8.271	6.992	6.767	6.015	7.444	8.195	9.098	8.797	8.722
0120.00:	6.641	6.386	5.619	4.725	6.769	7.280	8.046	8.301	7.407
0128.00:	2.060	2.473	3.022	5.082	7.967	8.242	6.181	4.670	4.808
0129.00:	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0129.01:	2.198	0.824	1.786	4.121	13.874	12.637	8.242	5.082	4.945
0129.02:	1.835	0.786	1.180	5.374	17.955	13.237	8.257	5.111	3.670
0130.00:	2.446	1.835	1.070	5.657	28.899	16.972	11.315	7.034	4.281
0131.00:	3.179	2.457	1.445	6.792	19.364	14.017	10.694	6.936	4.913
0132.00:	2.104	1.403	1.804	2.305	13.427	13.627	9.419	7.214	6.012
0133.00:	2.070	2.070	1.656	5.383	17.598	15.321	11.180	7.246	6.832
0134.00:	3.593	1.796	1.796	2.994	9.581	16.766	10.778	7.784	7.784
0135.00:	3.881	3.582	3.582	3.284	8.358	13.731	12.239	11.642	7.463
0136.00:	4.015	3.102	2.737	3.650	10.219	17.701	12.226	8.942	8.029
0137.00:	2.222	2.667	2.222	3.556	14.667	15.556	11.111	8.444	6.667
0138.00:	3.186	2.206	2.206	3.922	11.765	19.363	12.255	8.578	7.598
0139.00:	4.167	3.526	3.205	3.365	10.417	17.468	12.340	9.776	9.135
0161.00:	4.615	4.103	4.103	4.103	8.205	15.641	13.333	8.718	8.205
0162.00:	2.752	2.752	2.141	2.141	7.645	18.960	14.679	9.480	7.339
0163.00:	4.902	2.941	3.922	3.431	9.804	17.484	13.725	9.150	6.536
0350.00:	3.867	4.052	3.867	5.157	8.103	7.919	7.366	6.262	5.709
0351.00:	3.019	3.505	3.505	5.161	6.816	6.426	4.576	4.284	5.063
0352.00:	3.979	4.671	5.190	4.325	5.536	4.844	5.882	6.574	7.439
0353.00:	5.219	7.744	6.229	6.902	6.061	3.535	4.040	6.734	8.754
0354.00:	5.024	7.221	9.733	9.262	6.436	2.512	1.884	4.239	8.163
0355.00:	3.492	5.397	6.032	6.667	10.476	6.032	3.810	4.444	6.667
0356.00:	3.202	6.650	8.621	8.621	7.143	2.709	2.217	4.433	6.158
0370.00:	5.790	7.219	8.220	7.291	6.076	4.289	4.575	6.362	7.434
0380.00:	3.885	5.639	6.015	5.388	5.263	4.762	4.135	5.764	6.391
0382.01:	4.184	4.993	5.128	4.453	4.588	3.644	3.914	3.914	4.588
0382.02:	6.007	6.674	6.897	8.009	6.674	5.006	5.006	6.229	6.785
0383.01:	4.874	4.874	5.761	5.318	5.465	3.988	3.840	4.136	5.318
0383.02:	4.257	3.378	3.514	4.324	4.392	4.122	4.122	4.459	4.392

CT (462xxxx.xx)	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and over
0056.00:	8.418	8.754	8.754	7.407	6.734	5.387	6.734	4.377	2.694
0057.00:	x	x	x	x	x	x	x	x	x
0058.00:	5.699	4.663	7.772	5.699	5.181	5.181	4.663	2.591	2.591
0059.00:	6.415	6.792	9.434	6.415	1.887	1.509	2.264	1.132	1.132
0060.00:	6.706	5.248	6.706	8.163	6.997	4.665	4.373	1.458	0.875
0061.00:	12.150	8.411	5.607	4.673	1.869	0.935	1.869	0.935	0.000
0062.00:	5.769	5.128	3.846	3.205	4.487	4.487	5.769	7.051	14.103
0063.00:	6.742	6.742	5.618	2.247	1.124	1.124	1.124	1.124	7.865
0065.01:	3.566	4.133	3.890	3.079	1.945	2.188	1.378	1.053	0.729
0065.02:	4.845	4.651	4.845	4.651	3.101	2.326	2.326	1.550	1.163
0066.01:	5.243	5.437	5.631	4.466	3.689	1.748	1.359	0.971	0.388
0066.02:	5.211	4.715	5.707	5.211	5.459	4.467	4.467	3.226	3.722
0094.01:	6.790	5.616	5.448	4.191	3.437	2.598	2.682	1.676	1.090
0095.00:	6.207	5.057	3.908	2.069	1.839	1.839	1.839	2.069	3.678
0096.00:	7.646	6.760	5.361	3.730	3.030	2.098	2.098	0.699	0.699
0097.01:	7.399	6.683	5.171	3.421	2.784	2.625	2.466	1.591	1.114
0097.02:	5.761	5.624	4.527	3.567	2.881	2.881	3.292	3.018	5.487
0098.00:	7.985	8.348	6.806	4.809	3.902	4.265	2.995	2.359	1.724
0099.00:	6.513	6.723	6.618	5.357	4.202	3.992	4.307	4.727	4.307
0100.00:	6.890	6.890	5.774	4.265	3.740	3.346	3.150	2.165	2.165
0101.01:	6.565	5.510	5.862	4.924	5.041	4.220	4.220	3.869	2.462
0101.02:	7.206	6.195	5.183	3.666	3.287	2.781	2.781	2.023	2.655
0102.00:	8.889	8.148	7.037	5.556	3.704	2.593	2.593	2.469	1.728
0103.00:	8.299	9.544	7.884	5.394	2.905	2.905	1.452	1.867	1.245
0104.00:	8.942	8.577	8.029	6.022	4.197	2.190	2.190	1.642	1.460
0105.00:	7.481	8.092	7.481	4.885	3.511	2.595	2.595	2.137	1.374
0106.00:	5.913	7.969	8.740	4.370	3.856	2.828	1.285	1.542	1.799
0107.00:	6.934	5.109	4.380	4.015	2.920	1.825	1.460	1.460	1.825
0108.00:	7.305	7.305	7.683	5.416	3.275	3.149	3.778	3.275	5.164
0109.00:	6.404	6.650	6.404	4.926	2.956	2.463	2.956	2.217	1.478
0110.00:	6.331	6.202	5.168	3.488	2.455	1.938	2.067	1.163	1.421
0111.00:	7.371	6.687	6.611	4.711	3.875	3.647	2.964	3.191	2.736
0112.01:	6.711	4.986	3.835	3.835	3.164	2.589	1.822	1.630	1.342
0112.02:	7.622	5.347	4.664	3.185	4.551	4.096	4.323	4.209	3.641
0113.00:	7.115	6.628	6.140	4.288	2.924	1.949	2.047	1.559	1.559
0114.00:	6.341	7.073	6.098	5.854	3.659	3.171	2.927	2.439	1.463
0115.01:	6.468	6.965	8.209	5.473	3.980	2.736	2.736	2.239	1.493
0115.02:	5.093	5.603	5.942	5.518	4.669	4.669	4.584	3.735	2.971
0116.00:	5.563	5.216	4.729	3.199	3.338	2.712	2.851	3.060	4.033

0117.00:	7.000	5.111	4.111	2.778	2.111	2.000	2.333	2.000	5.667
0118.00:	8.126	5.982	5.192	3.725	2.370	2.370	2.144	1.693	0.790
0119.00:	8.045	6.241	4.511	3.233	2.406	2.030	1.654	1.128	0.602
0120.00:	6.386	5.236	6.130	4.853	3.704	3.448	3.193	3.576	2.043
0128.00:	6.319	7.555	8.929	7.555	5.907	6.731	5.220	4.121	2.747
0129.00:	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0129.01:	5.357	7.005	8.379	8.929	7.555	6.593	5.907	4.258	3.022
0129.02:	4.456	5.636	7.733	6.291	4.849	4.325	4.063	3.014	2.359
0130.00:	3.211	3.823	3.976	3.670	1.835	1.223	1.070	0.612	0.612
0131.00:	5.491	5.780	5.058	3.468	2.890	2.746	2.168	1.734	1.012
0132.00:	5.812	6.413	6.814	4.910	3.707	3.707	3.407	2.906	5.010
0133.00:	5.383	6.418	4.762	4.141	3.106	2.899	2.277	0.828	0.828
0134.00:	7.186	8.383	9.581	5.389	3.593	1.198	1.796	0.599	0.000
0135.00:	8.060	6.567	5.970	3.284	2.687	2.090	1.493	0.896	0.597
0136.00:	6.934	6.569	4.745	3.467	2.555	2.007	2.007	0.547	0.182
0137.00:	6.667	4.889	3.111	3.556	3.111	3.111	3.111	2.667	2.667
0138.00:	5.147	5.147	4.412	4.412	3.186	2.941	1.961	1.225	0.980
0139.00:	7.051	5.128	5.128	3.526	1.763	1.603	0.962	0.962	0.641
0161.00:	5.897	6.667	5.128	3.590	2.821	2.308	1.282	0.769	0.769
0162.00:	7.034	6.728	4.893	2.752	1.223	1.529	1.835	1.835	3.670
0163.00:	5.882	5.065	5.392	3.268	2.778	2.124	1.634	1.144	0.490
0350.00:	6.446	6.630	7.919	5.157	4.052	3.131	3.867	3.499	6.998
0351.00:	5.550	5.648	7.303	7.303	6.329	7.108	7.303	5.940	5.355
0352.00:	5.536	6.574	7.439	6.228	4.498	4.498	4.498	4.325	7.612
0353.00:	7.744	7.744	8.586	5.219	4.882	3.367	3.367	2.189	1.852
0354.00:	10.989	7.692	7.692	6.122	4.396	3.140	2.512	1.570	1.099
0355.00:	6.984	8.254	8.571	6.984	6.032	4.127	2.857	2.222	0.952
0356.00:	8.867	9.113	10.099	6.650	5.911	3.202	3.448	1.478	1.232
0370.00:	7.434	6.433	7.219	6.719	4.789	3.145	3.288	2.073	1.858
0380.00:	5.639	6.391	7.644	6.015	5.138	5.514	5.263	5.764	5.263
0382.01:	4.184	4.453	7.692	7.018	6.748	5.128	6.343	8.097	10.796
0382.02:	6.897	6.229	7.453	5.228	4.783	3.782	3.782	2.892	1.891
0383.01:	4.727	6.499	8.124	6.056	5.318	4.136	3.988	6.204	11.521
0383.02:	5.135	5.473	7.230	6.149	6.419	7.365	8.649	9.189	7.365

Appendix D: Percentages of Population of Age Categories in All Surveyed Census Tracts

CT (462xxxx.xx)	0 to 19	20 to 64	65 and over
056.00:	4.714	66.330	25.926
0057.00:	x	x	x
0058.00:	7.254	72.539	20.207
0059.00:	7.547	84.906	7.925
0060.00:	32.945	48.688	18.367
0061.00:	11.215	85.047	5.607
0062.00:	7.692	58.333	35.897
0063.00:	6.742	79.775	12.360
0065.01:	10.940	81.929	7.293
0065.02:	12.016	78.101	10.465
0066.01:	13.010	79.029	8.155
0066.02:	9.181	68.983	21.340
0094.01:	21.291	67.142	11.484
0095.00:	13.333	75.862	11.264
0096.00:	20.047	71.748	8.625
0097.01:	18.775	70.804	10.581
0097.02:	16.187	66.392	17.558
0098.00:	23.230	61.525	15.245
0099.00:	22.059	56.197	21.534
0100.00:	22.572	62.795	14.567
0101.01:	22.509	57.327	19.812
0101.02:	25.284	61.062	13.527
0102.00:	20.123	66.667	13.086
0103.00:	23.029	66.598	10.373
0104.00:	24.270	63.686	11.679
0105.00:	19.389	68.397	12.214
0106.00:	17.738	69.923	11.311
0107.00:	15.693	75.182	9.489
0108.00:	21.411	59.824	18.640
0109.00:	16.256	71.429	12.069
0110.00:	20.413	70.543	9.044
0111.00:	21.277	62.310	16.413
0112.01:	34.036	55.225	10.547
0112.02:	23.094	56.655	20.819
0113.00:	22.904	67.251	10.039
0114.00:	20.488	65.610	13.659
0115.01:	23.881	62.935	13.184

0115.02:	10.696	68.846	20.628
0116.00:	19.958	64.186	15.994
0117.00:	24.222	61.444	14.111
0118.00:	27.540	62.528	9.368
0119.00:	28.045	64.286	7.820
0120.00:	23.372	60.409	15.964
0128.00:	12.637	62.225	24.725
0129.00:	n/a	n/a	n/a
0129.01:	8.929	74.451	27.335
0129.02:	9.174	72.346	18.611
0130.00:	11.009	83.180	5.352
0131.00:	13.873	75.723	10.549
0132.00:	7.615	73.647	18.737
0133.00:	11.180	78.882	9.938
0134.00:	10.180	83.234	7.186
0135.00:	14.328	77.313	7.761
0136.00:	13.504	78.832	7.299
0137.00:	10.667	74.667	14.667
0138.00:	11.520	78.676	10.294
0139.00:	14.263	79.968	5.929
0161.00:	16.923	75.385	7.949
0162.00:	9.786	79.511	10.092
0163.00:	15.196	76.307	8.170
0350.00:	16.943	61.510	21.547
0351.00:	15.190	52.970	32.035
0352.00:	18.166	56.055	25.433
0353.00:	26.094	58.418	15.657
0354.00:	31.240	55.730	12.716
0355.00:	21.587	62.222	16.190
0356.00:	27.094	57.389	15.271
0370.00:	28.520	56.540	15.154
0380.00:	20.927	52.005	26.942
0382.01:	18.758	43.995	37.112
0382.02:	27.586	55.506	17.130
0383.01:	20.827	48.154	31.167
0383.02:	15.473	45.473	38.986