



Globomatics Inc.

## Technical Memorandum

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| <b>Project:</b> Vehicle Crimes in the City of Hamilton |  |
| <b>Client:</b> I.D. Smith, Niagara College – GIS: GM   | <b>Prepare By:</b> Stuart Mosher, Josh Valenti |
| <b>Subject:</b> Spatial Statistics                     |  |
| <b>Date:</b> February 8, 2015                          | <b>Deliverable</b> 4A                          |

### 1. Introduction

The city of Hamilton has an estimated population of 504,560. As a result of its large population, crime is quite rampant. What makes Hamilton unique in comparison to other metropolitan areas in Canada, is that the Hamilton Police Service posts all of the reported crimes in the city online. Every posted crime has the following information. The type of crime and specific name/charge, the incident number, the date and time at which the crime occurred, and the address of the crime. The information on crimes can be accessed online via the Hamilton Police Service website. The statistical information can be viewed via a map of the city of Hamilton or a list/data grid.

The following technical memorandum provides an initial statistical analysis of all of the motor vehicle theft crimes which occurred in the city of Hamilton between the dates of January 1 and February 7 for the year 2015. There are three separate and distinct motor vehicle theft crimes and they are theft of a truck, theft of an automobile, or theft under or equal to \$5,000 from a motor vehicle. Between the dates of January 1 and February 7, 204 motor vehicle theft crimes were reported. Of the 204 reported crimes, 39 were theft of an automobile, 38 were for theft of a truck, and 127 were theft under or equal to \$5,000 from a motor vehicle.

Activities completed as a part of this initial statistical analysis of motor vehicle theft crimes in Hamilton include:

- A formal study area layout
- A formal map showing the crime point locations
- A table of locations (northing/easting) versus 'z' values
- Histograms for the x, y, and z value data
- A statement of the mean, median, and standard deviation for all of the data
- A description of the data collection methodology
- Plus additional commentary about the distribution of the data values and their validity

### 2. Study Area

For the statistical analysis of motor vehicle theft crimes in the city of Hamilton the study area was chosen to be a rectangular area with a length of 30.62 kilometers and a width of 15.93 kilometers. The



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study area has a total area of 487.78 kilometers squared. The study area encloses Dundas in the west, Stoney Creek in the east, and Mount Hope in the south. The Burlington Skyway of the Queen Elizabeth Way highway is not a part of the study area, as the northern border of the study area runs along the southern end of the Skyway. The center of the study area is downtown Hamilton/Hess Village. As a result of the use of the rectangular study area, 4 vehicle theft crimes from the initial list of data were omitted, as they did not fall within the area of study.

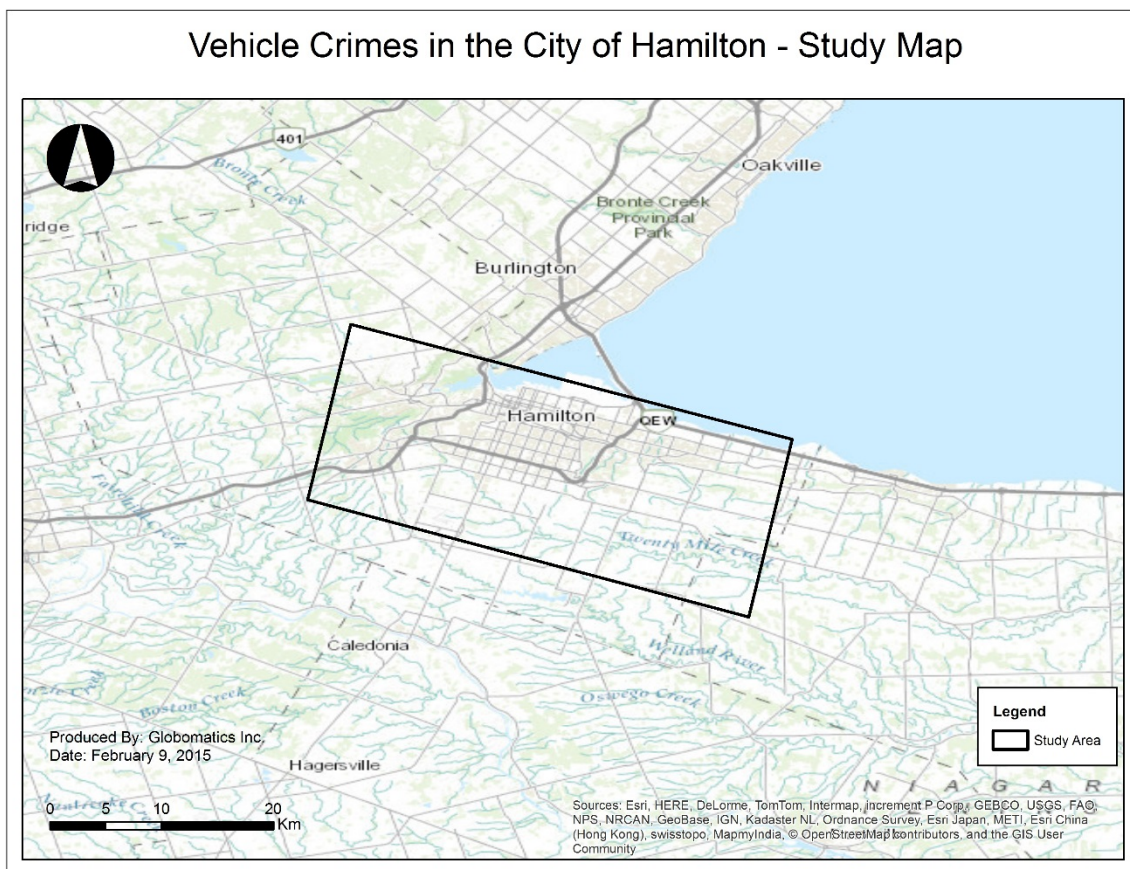


Figure 1 - Study Area Map



# Vehicle Crimes in the City of Hamilton

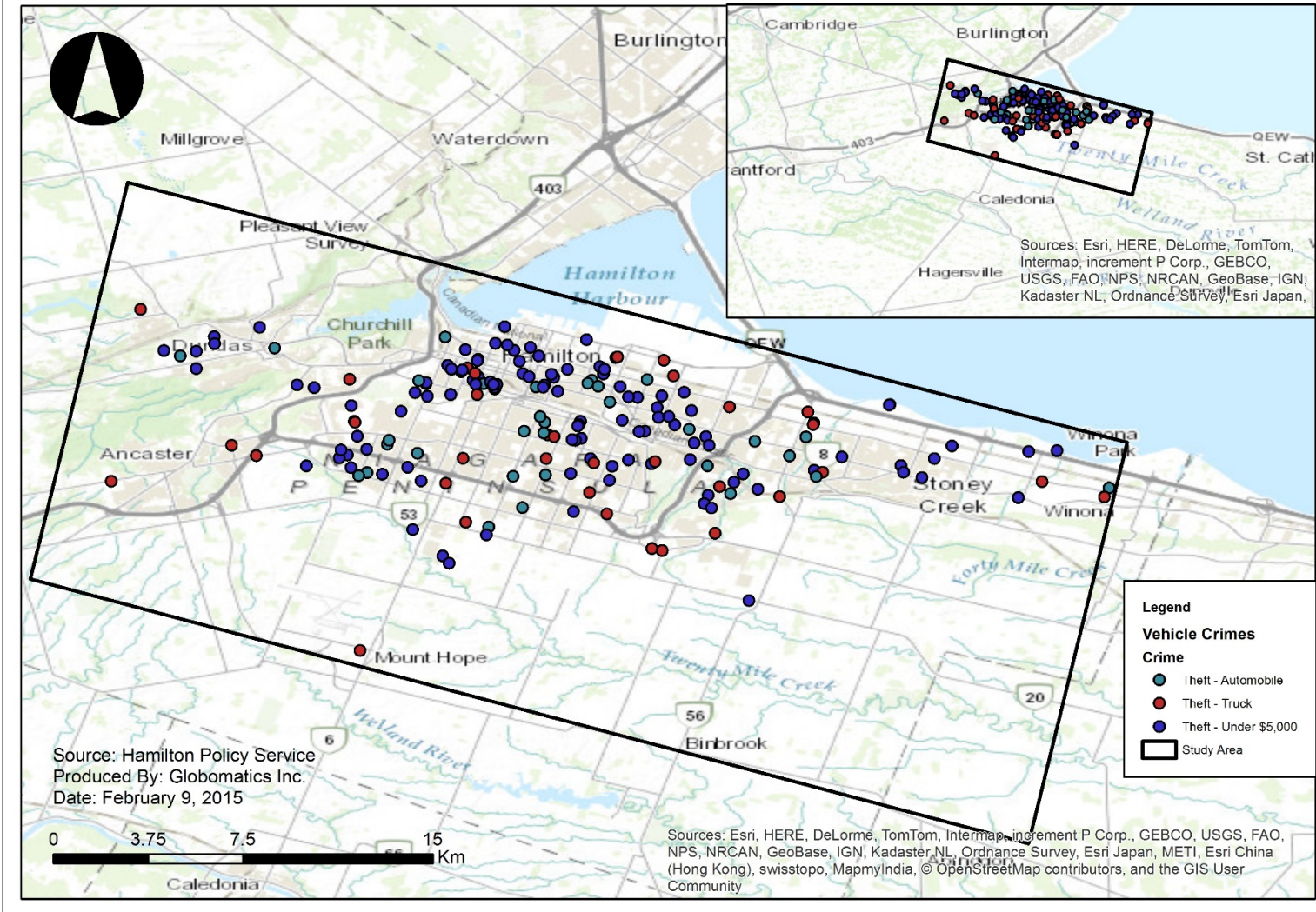


Figure 2 - Plotted raw data





### 3. Methodology

Vehicle crime data was derived from the Hamilton Police Service online Crime Mapping. Within the collected data was location in the form of an address, along with the date and time that each vehicle crime took place. The location data however, is classified material, so the location belonging to the respective criminal act lies within a block radius of the calculated location.

Supplied by the Hamilton Police was the Street name along with the number of digits for the street number (example: XX Bay St. S was the given address). This address was then imported into google maps, where the XX was replaced with "50" and this generated the recorded latitude and longitude. These latitude and longitude were then imported into ArcMap using the Nad83 coordinate system, spatially displaying the events with the time of event as the Z values.

The Hamilton Police provided the event-time in a 24 hour format. When trying to do statistical analysis on time data through excel, it was noticed that excel does not account for hours at the end of the day are similar to the hours at the start of the day. For example 23:59 in reality is only 2 minutes away from 00:01, however excel calculates it as a difference of 23:58. To calculate statistics on the time values, the time was then calculated into decimals with 0.0 as midnight, 0.5 being 12:00pm (noon) and 0.999 as 23:59pm. The next step was to represent the likeness between midnight (0.00) and 01:00. If the event-time was past 0.5 (12:00) the value was then subtracted by one giving a negative value with 23:00 now, -0.04167, much similar to 0:00 as in reality (See Table 1 for calculated time values).

Table 1 - Time vs. Calculated time used for statistical analysis

| Time            | 13:00    | 18:00 | 21:00  | 0:00 | 3:00  | 6:00 | 9:00  | 12:00 |
|-----------------|----------|-------|--------|------|-------|------|-------|-------|
| Calculated Time | -0.45833 | -0.25 | -0.125 | 0    | 0.125 | 0.25 | 0.375 | 0.5   |

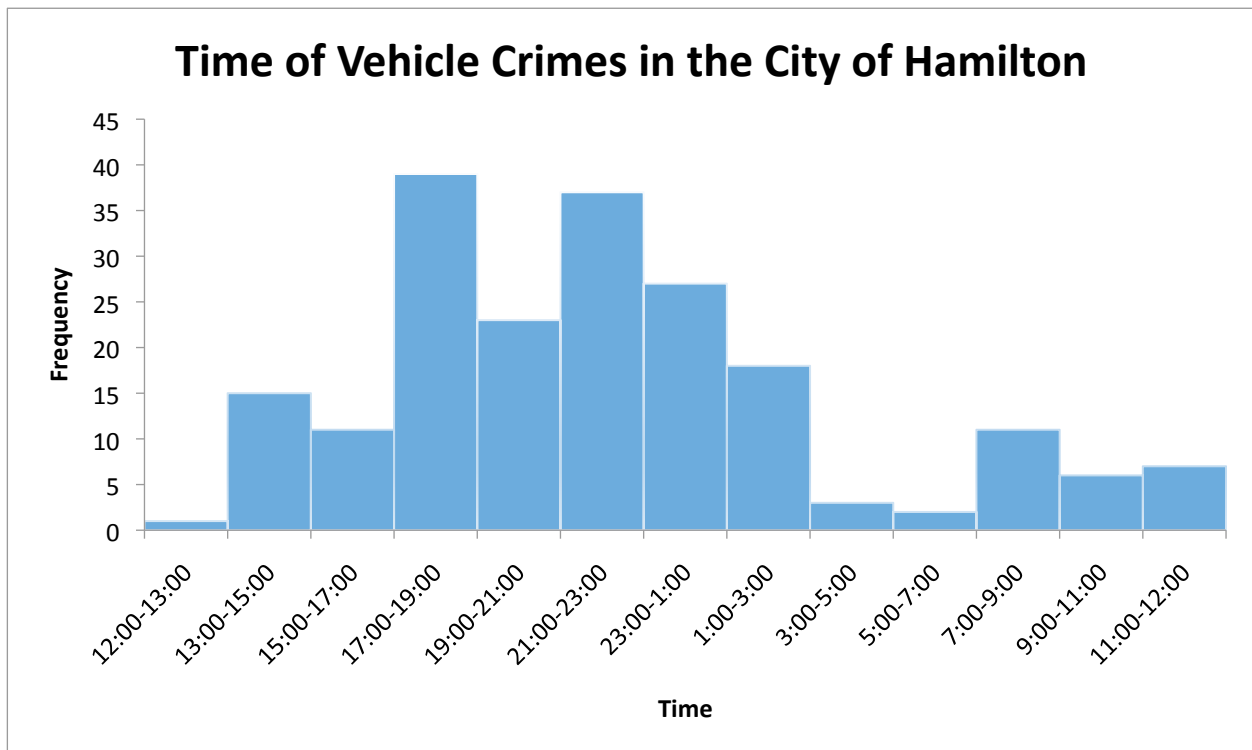
### 4. Preliminary Statistical Analysis

Preliminary analysis show that most of vehicle-based crimes happen occur between 17:00 and 03:00 with a negative skew to the otherwise fairly normal distribution. The mean event time was calculated to be 22:16 with a standard deviation of 5 hours and 35 minutes with a corresponding mode to be 22:00 (Table 2). The mean latitude and longitude laid southeast of Hamilton’s downtown core, located at -79.8475, 43.23736 with standard deviations of 0.0653 and 0.0216, respectively.



Table 2 - Summary of raw data

|               | Calculated Time | Longitude | Latitude |
|---------------|-----------------|-----------|----------|
| <b>SD</b>     | 5:35            | 0.0653    | 0.0216   |
| <b>Mean</b>   | 14:50           | -79.8475  | 43.23736 |
| <b>Median</b> | 17:05           | -79.8527  | 43.23789 |
| <b>Mode</b>   | 22:00           | -79.876   | 43.2599  |

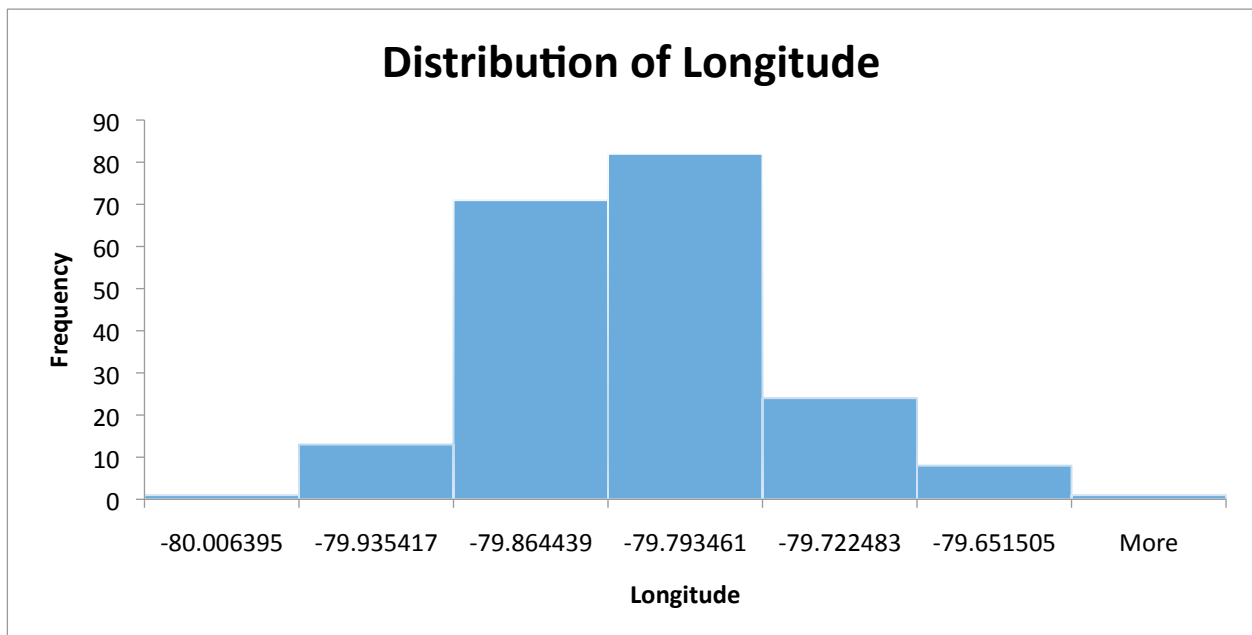
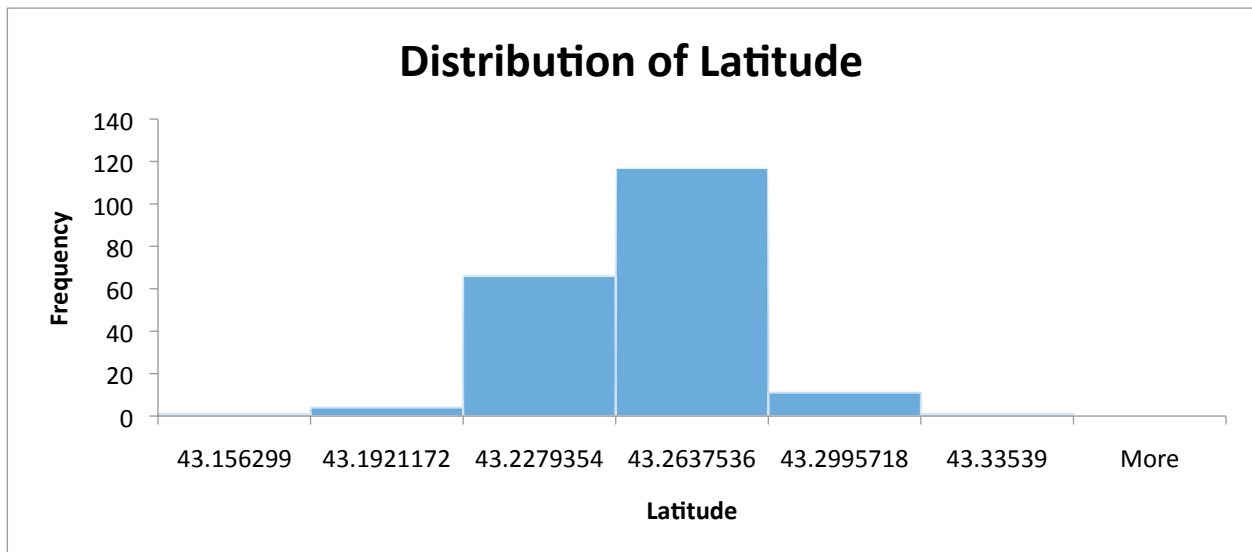


The above histogram lists frequency of the time at which each vehicle theft crime occurred in the city of Hamilton. As most of the crimes occurred in the evening and early morning, the graph's middle was chosen to be midnight, with either end representing noon of separate days. The information is positively skewed.



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The following two histograms display the distribution and frequency of the latitude and longitude coordinates used to pinpoint the location of where each of the vehicle theft crimes occurred in Hamilton. In both histograms, the data is uniformly distributed. The middle three bins on both histograms have the highest frequencies. This makes sense, as these coordinates correlate to the location of downtown Hamilton, where the majority of the crimes occurred.



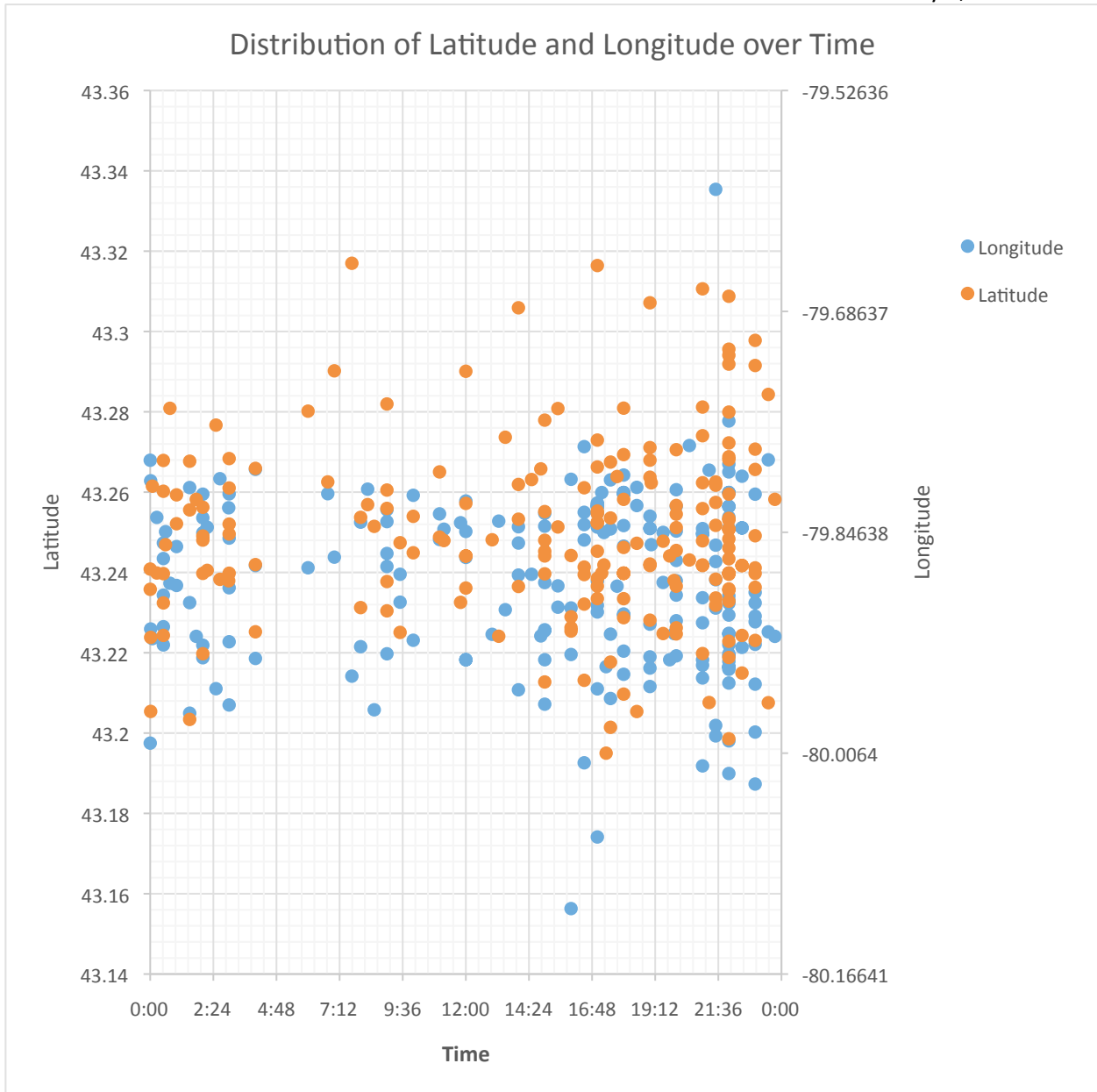
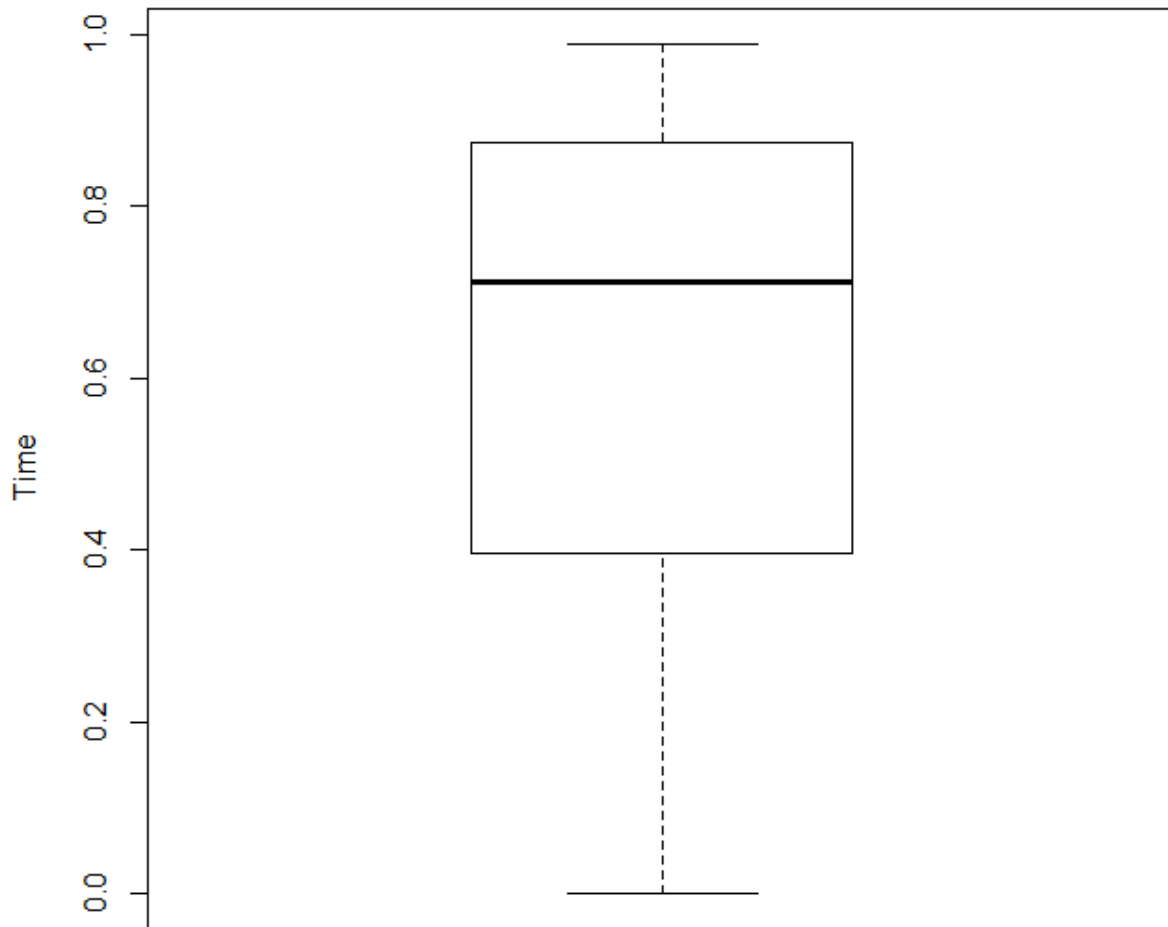


Figure 6 - Scatterplot of Latitude/Longitude vs. Time

The above scatterplot lists all of the longitude and latitude points used to pinpoint the location of where each vehicle theft crime occurred, along with the time at which each crime occurred. The scatterplot shows the distribution of the latitude coordinates over time and the distribution of the longitude coordinates over time.



The following boxplot shows the distribution of time at which the vehicle theft crimes occurred in the city of Hamilton. If there were any outliers with the data, they would be visible here. However, there were no outliers with the data collected. The points 0.0 and 1.0 both on the boxplot both represent midnights of separate days. The median of the boxplot was found to be roughly 0.7 or 2:50 PM.







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## **Bibliography**

Hamilton Police Services. (2015). RAIDS Online: Regional Analysis and Information Sharing. Retrieved February 4, 2015, from [http://www.raidsonline.com/?address=Hamilton,ON&crimeTypes=\[1,6,7,10,11,16,17\]&startDate=14&zoom=12](http://www.raidsonline.com/?address=Hamilton,ON&crimeTypes=[1,6,7,10,11,16,17]&startDate=14&zoom=12)



## Appendix

Table 3 - Raw Data

| ID | Northings | Eastings   | Time  | Crime                |
|----|-----------|------------|-------|----------------------|
| 1  | 43.33539  | -79.809922 | 21:30 | Theft - under \$5000 |
| 2  | 43.24271  | -79.812286 | 21:30 | Theft - under \$5000 |
| 3  | 43.253709 | -79.875873 | 0:15  | Theft - under \$5000 |
| 4  | 43.252521 | -79.835566 | 8:00  | Theft - Auto         |
| 5  | 43.192599 | -79.81413  | 16:30 | Theft - Truck        |
| 6  | 43.260597 | -79.826944 | 20:00 | Theft - Auto         |
| 7  | 43.249444 | -79.870018 | 21:00 | Theft - under \$5000 |
| 8  | 43.224838 | -79.92534  | 22:00 | Theft - under \$5000 |
| 9  | 43.221346 | -79.921104 | 22:30 | Theft - under \$5000 |
| 10 | 43.227703 | -79.924714 | 23:00 | Theft - under \$5000 |
| 11 | 43.225923 | -79.922514 | 0:01  | Theft - under \$5000 |
| 12 | 43.246446 | -79.819266 | 1:00  | Theft - under \$5000 |
| 13 | 43.21957  | -79.915476 | 16:00 | Theft - Auto         |
| 14 | 43.229651 | -79.90824  | 18:00 | Theft - Auto         |
| 15 | 43.234343 | -79.816661 | 0:30  | Theft - under \$5000 |
| 16 | 43.204954 | -79.830166 | 1:30  | Theft - Truck        |
| 17 | 43.260738 | -79.826324 | 8:16  | Theft - Truck        |
| 18 | 43.232597 | -79.918906 | 9:30  | Theft - under \$5000 |
| 19 | 43.239348 | -79.811731 | 14:00 | Theft - under \$5000 |
| 20 | 43.23748  | -79.852182 | 15:00 | Theft - Auto         |
| 21 | 43.263193 | -79.863203 | 16:00 | Theft - under \$5000 |
| 22 | 43.191832 | -79.810515 | 21:00 | Theft - Truck        |
| 23 | 43.233083 | -79.851196 | 22:00 | Theft - Truck        |
| 24 | 43.253605 | -79.849084 | 2:00  | Theft - under \$5000 |
| 25 | 43.214642 | -79.790104 | 18:00 | Theft - Truck        |
| 26 | 43.22041  | -79.756452 | 18:00 | Theft - under \$5000 |



|    |           |            |       |                      |
|----|-----------|------------|-------|----------------------|
| 27 | 43.216189 | -79.785034 | 19:00 | Theft - under \$5000 |
| 28 | 43.213726 | -79.776431 | 21:00 | Theft - under \$5000 |
| 29 | 43.238189 | -79.824753 | 21:30 | Theft - under \$5000 |
| 30 | 43.234199 | -79.818707 | 22:00 | Theft - under \$5000 |
| 31 | 43.263962 | -79.948341 | 22:30 | Theft - Auto         |
| 32 | 43.232415 | -79.848894 | 23:00 | Theft - Truck        |
| 33 | 43.232483 | -79.794899 | 1:30  | Theft - under \$5000 |
| 34 | 43.219746 | -79.75343  | 9:00  | Theft - Truck        |
| 35 | 43.25077  | -79.852377 | 11:10 | Theft - under \$5000 |
| 36 | 43.230723 | -79.777533 | 13:30 | Theft - Auto         |
| 37 | 43.25129  | -79.894433 | 17:00 | Theft - Auto         |
| 38 | 43.236583 | -79.80599  | 17:45 | Theft - under \$5000 |
| 39 | 43.265034 | -79.865559 | 22:00 | Theft - under \$5000 |
| 40 | 43.2221   | -79.725555 | 23:00 | Theft - under \$5000 |
| 41 | 43.259613 | -79.809906 | 6:45  | Theft - Truck        |
| 42 | 43.24381  | -79.729419 | 7:00  | Theft - under \$5000 |
| 43 | 43.205799 | -79.842087 | 8:31  | Theft - under \$5000 |
| 44 | 43.24472  | -79.829075 | 9:00  | Theft - Auto         |
| 45 | 43.230149 | -79.799064 | 17:00 | Theft - under \$5000 |
| 46 | 43.22464  | -79.83604  | 17:30 | Theft - under \$5000 |
| 47 | 43.229368 | -79.963604 | 18:00 | Theft - Truck        |
| 48 | 43.22747  | -79.670017 | 21:00 | Theft - under \$5000 |
| 49 | 43.246796 | -79.893973 | 21:30 | Theft - under \$5000 |
| 50 | 43.229117 | -79.707363 | 23:00 | Theft - under \$5000 |
| 51 | 43.212183 | -79.786157 | 23:00 | Theft - Auto         |
| 52 | 43.225202 | -79.746508 | 23:30 | Theft - under \$5000 |
| 53 | 43.261137 | -79.981945 | 1:30  | Theft - Auto         |
| 54 | 43.24374  | -79.72973  | 12:00 | Theft - under \$5000 |
| 55 | 43.25152  | -79.876479 | 15:00 | Theft - under \$5000 |
| 56 | 43.246543 | -79.822524 | 18:00 | Theft - under \$5000 |
| 57 | 43.229388 | -79.793725 | 22:00 | Theft - under \$5000 |



|    |           |            |       |                       |
|----|-----------|------------|-------|-----------------------|
| 58 | 43.249866 | -79.934355 | 2:00  | Theft - under \$5000  |
| 59 | 43.211055 | -79.768735 | 2:30  | Theft - Truck         |
| 60 | 43.241164 | -79.758627 | 6:00  | Theft - Truck         |
| 61 | 43.259211 | -79.86122  | 10:00 | Theft - under \$5000  |
| 62 | 43.231806 | -79.839303 | 17:00 | Theft - under \$5000  |
| 63 | 43.237851 | -79.839583 | 17:00 | Theft - under \$5000  |
| 64 | 43.23113  | -79.841361 | 21:30 | Theft - under \$5000  |
| 65 | 43.226489 | -79.89755  | 0:30  | Theft - Auto          |
| 66 | 43.250155 | -79.855335 | 0:35  | Theft - Auto          |
| 67 | 43.263342 | -79.880473 | 2:39  | Theft - under \$5000  |
| 68 | 43.221516 | -79.900947 | 8:00  | Theft - under \$5000  |
| 69 | 43.225496 | -79.765146 | 15:00 | Theft - Auto          |
| 70 | 43.224659 | -79.713742 | 22:00 | Theft - under \$5000  |
| 71 | 43.216449 | -79.675402 | 22:00 | Theft - Truck         |
| 72 | 43.23676  | -79.840177 | 1:00  | Theft - under \$5000  |
| 73 | 43.25126  | -79.873973 | 2:10  | Theft - Auto          |
| 74 | 43.236188 | -79.840443 | 3:00  | Theft - under \$5000  |
| 75 | 43.218263 | -79.863527 | 12:00 | Theft - under \$5000  |
| 76 | 43.218263 | -79.863527 | 15:00 | Theft - Truck         |
| 77 | 43.254736 | -79.831376 | 15:00 | Theft - under \$5000  |
| 78 | 43.254798 | -79.860077 | 17:00 | Theft - under \$5000  |
| 79 | 43.257788 | -79.886771 | 12:00 | Theft - under \$5000  |
| 80 | 43.249943 | -79.870015 | 17:15 | Theft - under \$5000  |
| 81 | 43.250923 | -79.870457 | 19:00 | Theft - Automobile    |
| 82 | 43.211596 | -79.794132 | 19:00 | Theft - Under \$5,000 |
| 83 | 43.250923 | -79.870457 | 21:00 | Theft - Automobile    |
| 84 | 43.22274  | -79.814299 | 3:00  | Theft - under \$5000  |
| 85 | 43.248207 | -79.802641 | 11:00 | Theft - under \$5000  |
| 86 | 43.208611 | -79.795525 | 17:30 | Theft - Under \$5,000 |
| 87 | 43.201904 | -79.880372 | 21:30 | Theft - Truck         |
| 88 | 43.200257 | -79.872169 | 23:00 | Theft - Automobile    |



|     |           |            |       |                       |
|-----|-----------|------------|-------|-----------------------|
| 89  | 43.21876  | -79.852047 | 2:00  | Theft - Automobile    |
| 90  | 43.256917 | -79.879774 | 17:00 | Theft - Truck         |
| 91  | 43.251023 | -79.869366 | 19:00 | Theft - Under \$5,000 |
| 92  | 43.265683 | -79.869789 | 4:00  | Theft - Under \$5,000 |
| 93  | 43.255605 | -79.88206  | 9:00  | Theft - Under \$5,000 |
| 94  | 43.224591 | -79.851811 | 13:00 | Theft - Truck         |
| 95  | 43.227977 | -79.915598 | 20:00 | Theft - Under \$5,000 |
| 96  | 43.189938 | -79.888495 | 22:00 | Theft - Under \$5,000 |
| 97  | 43.224087 | -79.822514 | 23:45 | Theft - Under \$5,000 |
| 98  | 43.267938 | -79.887702 | 0:00  | Theft - Automobile    |
| 99  | 43.206996 | -79.792981 | 3:00  | Theft - Under \$5,000 |
| 100 | 43.239543 | -79.853951 | 9:30  | Theft - Automobile    |
| 101 | 43.251675 | -79.894486 | 18:00 | Theft - Under \$5,000 |
| 102 | 43.219234 | -79.84301  | 20:00 | Theft - Under \$5,000 |
| 103 | 43.198058 | -79.79167  | 22:00 | Theft - Truck         |
| 104 | 43.224087 | -79.822514 | 1:45  | Theft - Under \$5,000 |
| 105 | 43.24808  | -79.898415 | 16:30 | Theft - Under \$5,000 |
| 106 | 43.256445 | -79.885393 | 17:00 | Theft - Under \$5,000 |
| 107 | 43.218977 | -79.910062 | 19:00 | Theft - Under \$5,000 |
| 108 | 43.246915 | -79.810566 | 19:03 | Theft - Under \$5,000 |
| 109 | 43.271603 | -79.866432 | 20:30 | Theft - Under \$5,000 |
| 110 | 43.233701 | -79.852577 | 21:00 | Theft - Automobile    |
| 111 | 43.212457 | -79.836295 | 22:00 | Theft - Truck         |
| 112 | 43.251071 | -79.870414 | 22:30 | Theft - Automobile    |
| 113 | 43.231348 | -79.842532 | 15:30 | Theft - Under \$5,000 |
| 114 | 43.257306 | -79.832722 | 17:00 | Theft - Under \$5,000 |
| 115 | 43.237929 | -79.91999  | 20:00 | Theft - Truck         |
| 116 | 43.265471 | -79.969694 | 21:15 | Theft - Under \$5,000 |
| 117 | 43.222004 | -79.937059 | 22:00 | Theft - Under \$5,000 |
| 118 | 43.268046 | -79.969841 | 23:30 | Theft - Under \$5,000 |
| 119 | 43.243462 | -79.921073 | 0:30  | Theft - Under \$5,000 |



|     |           |            |       |                       |
|-----|-----------|------------|-------|-----------------------|
| 120 | 43.237307 | -79.75657  | 0:45  | Theft - Under \$5,000 |
| 121 | 43.256105 | -79.881515 | 2:59  | Theft - Under \$5,000 |
| 122 | 43.250207 | -79.82544  | 12:00 | Theft - Under \$5,000 |
| 123 | 43.251085 | -79.876785 | 22:00 | Theft - Under \$5,000 |
| 124 | 43.247337 | -79.876339 | 0:30  | Theft - Truck         |
| 125 | 43.251918 | -79.871571 | 16:30 | Theft - Under \$5,000 |
| 126 | 43.263047 | -79.987677 | 17:30 | Theft - Under \$5,000 |
| 127 | 43.256477 | -79.885425 | 20:00 | Theft - Under \$5,000 |
| 128 | 43.216633 | -79.8963   | 22:00 | Theft - Under \$5,000 |
| 129 | 43.225727 | -79.954816 | 15:00 | Theft - Truck         |
| 130 | 43.231157 | -79.907593 | 16:00 | Theft - Automobile    |
| 131 | 43.251375 | -79.836902 | 14:00 | Theft - Automobile    |
| 132 | 43.249846 | -79.934237 | 21:00 | Theft - Under \$5,000 |
| 133 | 43.219136 | -79.781644 | 22:00 | Theft - Under \$5,000 |
| 134 | 43.187311 | -79.886225 | 23:00 | Theft - Under \$5,000 |
| 135 | 43.247325 | -79.885634 | 14:00 | Theft - Under \$5,000 |
| 136 | 43.224194 | -79.80047  | 14:51 | Theft - Under \$5,000 |
| 137 | 43.264255 | -79.85736  | 18:00 | Theft - Under \$5,000 |
| 138 | 43.242988 | -79.786549 | 20:00 | Theft - Truck         |
| 139 | 43.216901 | -79.82921  | 21:00 | Theft - Under \$5,000 |
| 140 | 43.199302 | -79.899256 | 21:30 | Theft - Under \$5,000 |
| 141 | 43.252658 | -79.815794 | 9:00  | Theft - Automobile    |
| 142 | 43.223113 | -79.834822 | 10:00 | Theft - Truck         |
| 143 | 43.17413  | -79.779589 | 17:00 | Theft - Under \$5,000 |
| 144 | 43.277712 | -79.995986 | 22:00 | Theft - Truck         |
| 145 | 43.218584 | -79.91847  | 4:00  | Theft - Automobile    |
| 146 | 43.256338 | -79.830996 | 17:00 | Theft - Under \$5,000 |
| 147 | 43.251103 | -79.870457 | 22:30 | Theft - Under \$5,000 |
| 148 | 43.197499 | -79.873034 | 0:00  | Theft - Under \$5,000 |
| 149 | 43.254585 | -79.849864 | 11:00 | Theft - Under \$5,000 |
| 150 | 43.207194 | -79.860181 | 15:00 | Theft - Automobile    |





|     |           |            |       |                       |
|-----|-----------|------------|-------|-----------------------|
| 151 | 43.259901 | -79.875957 | 17:10 | Theft - Under \$5,000 |
| 152 | 43.259901 | -79.875957 | 18:00 | Theft - Under \$5,000 |
| 153 | 43.259901 | -79.875957 | 18:00 | Theft - Automobile    |
| 154 | 43.259901 | -79.875957 | 22:00 | Theft - Under \$5,000 |
| 155 | 43.259901 | -79.875957 | 22:00 | Theft - Under \$5,000 |
| 156 | 43.266972 | -79.837451 | 22:00 | Theft - Under \$5,000 |
| 157 | 43.223523 | -79.812967 | 0:05  | Theft - Truck         |
| 158 | 43.21654  | -80.006395 | 17:20 | Theft - Truck         |
| 159 | 43.237511 | -79.919743 | 19:30 | Theft - Truck         |
| 160 | 43.253805 | -79.857762 | 22:00 | Theft - Under \$5,000 |
| 161 | 43.221885 | -79.828242 | 2:00  | Theft - Under \$5,000 |
| 162 | 43.210779 | -79.68375  | 14:00 | Theft - Under \$5,000 |
| 163 | 43.227123 | -79.680123 | 19:00 | Theft - Under \$5,000 |
| 164 | 43.24998  | -79.852837 | 19:30 | Theft - Under \$5,000 |
| 165 | 43.256443 | -79.844169 | 22:00 | Theft - Automobile    |
| 166 | 43.256443 | -79.844169 | 22:00 | Theft - Under \$5,000 |
| 167 | 43.219768 | -79.724556 | 22:00 | Theft - Under \$5,000 |
| 168 | 43.217863 | -79.71813  | 22:00 | Theft - Under \$5,000 |
| 169 | 43.214179 | -79.651505 | 7:40  | Theft - Automobile    |
| 170 | 43.241485 | -79.903303 | 9:00  | Theft - Under \$5,000 |
| 171 | 43.236657 | -79.756732 | 15:30 | Theft - Truck         |
| 172 | 43.271327 | -79.953608 | 16:30 | Theft - Under \$5,000 |
| 173 | 43.261192 | -79.85435  | 18:30 | Theft - Under \$5,000 |
| 174 | 43.259491 | -79.876161 | 18:00 | Theft - Under \$5,000 |
| 175 | 43.259491 | -79.876161 | 18:00 | Theft - Under \$5,000 |
| 176 | 43.259491 | -79.876161 | 23:00 | Theft - Under \$5,000 |
| 177 | 43.254028 | -79.806485 | 19:00 | Theft - Truck         |
| 178 | 43.218247 | -79.755664 | 21:00 | Theft - Automobile    |
| 179 | 43.259491 | -79.876161 | 2:00  | Theft - Under \$5,000 |
| 180 | 43.259569 | -79.876043 | 3:00  | Theft - Under \$5,000 |
| 181 | 43.248549 | -79.847631 | 3:00  | Theft - Under \$5,000 |



|     |           |            |       |                       |
|-----|-----------|------------|-------|-----------------------|
| 182 | 43.156299 | -79.917953 | 16:00 | Theft - Truck         |
| 183 | 43.239543 | -79.808168 | 14:30 | Theft - Under \$5,000 |
| 184 | 43.250829 | -79.94043  | 17:30 | Theft - Under \$5,000 |
| 185 | 43.256656 | -79.976222 | 18:30 | Theft - Under \$5,000 |
| 186 | 43.224779 | -79.881301 | 19:55 | Theft - Truck         |
| 187 | 43.250292 | -79.833231 | 20:00 | Theft - Automobile    |
| 188 | 43.232312 | -79.759317 | 22:00 | Theft - Automobile    |
| 189 | 43.211012 | -79.65314  | 17:00 | Theft - Truck         |
| 190 | 43.262825 | -79.976158 | 0:01  | Theft - Under \$5,000 |
| 191 | 43.252776 | -79.921686 | 13:15 | Theft - Truck         |
| 192 | 43.218263 | -79.863527 | 19:45 | Theft - Truck         |
| 193 | 43.234355 | -79.859557 | 20:00 | Theft - Automobile    |
| 194 | 43.221954 | -79.794345 | 0:30  | Theft - Automobile    |
| 195 | 43.241726 | -79.800088 | 4:00  | Theft - Under \$5,000 |
| 196 | 43.254975 | -79.87702  | 16:30 | Theft - Truck         |
| 197 | 43.215887 | -79.887431 | 22:00 | Theft - Truck         |
| 198 | 43.235042 | -79.800858 | 23:00 | Theft - Automobile    |
| 199 | 43.218263 | -79.863527 | 12:00 | Theft - Automobile    |
| 200 | 43.252376 | -79.897134 | 11:48 | Theft - Automobile    |