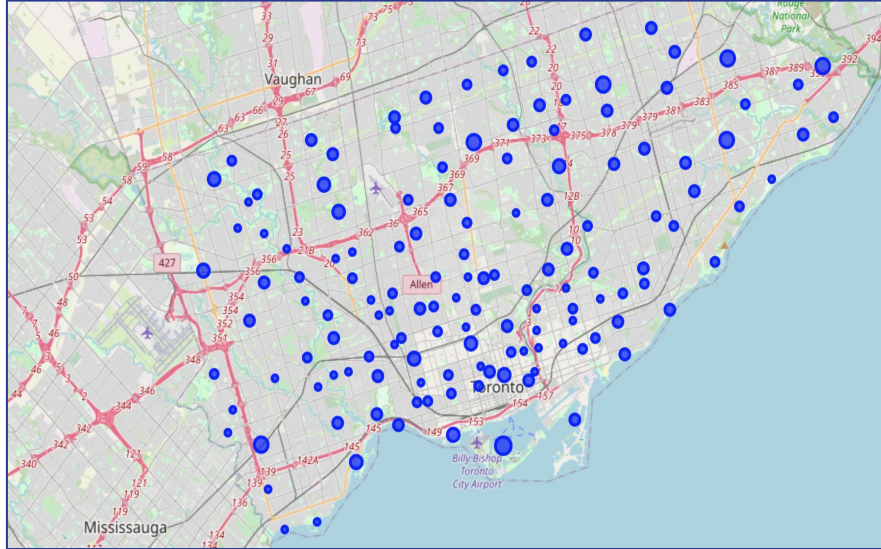


# Crime Statistics among neighborhoods in Toronto

Yinzhe Liu  
30.12.2020

# The geographical distribution of neighborhoods in Toronto.

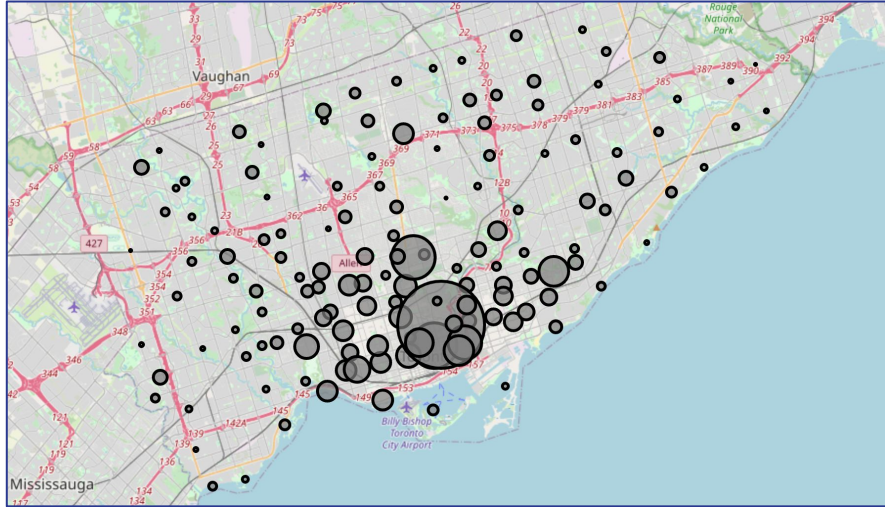


The larger circle size, the more people live in.

There are 140 neighborhoods built around in Toronto.

The neighborhood with the largest number of residents is Waterfront Communities -The Island.

# The population density (Population/ Area size) in Toronto

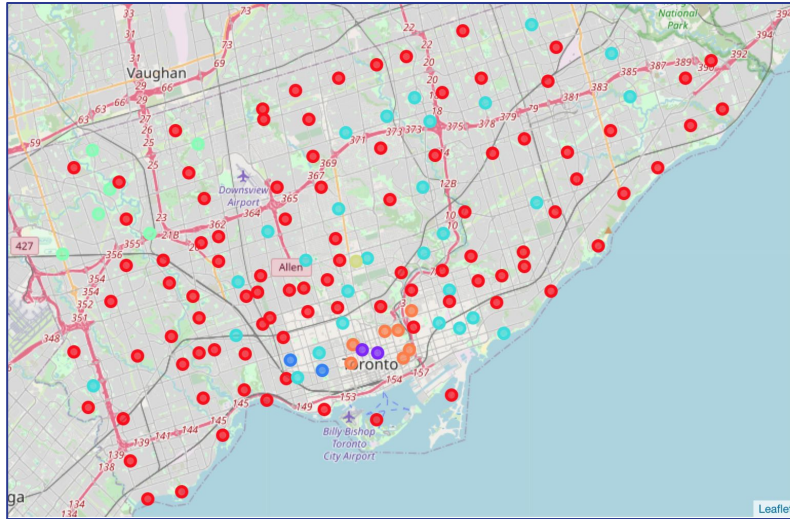
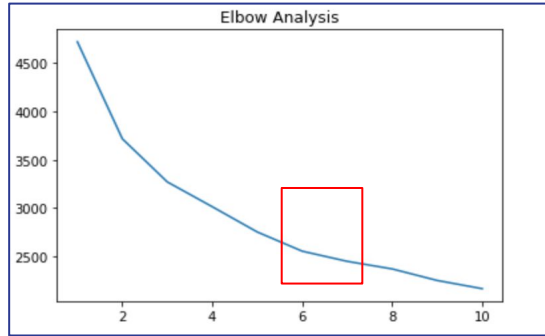


The larger circle size, the more people live in.

The population density shows the number of population per area size.

In 2019, the neighborhood with the highest density value is North St. James Town, and with the lowest density is Bridle Path-Sunnybrook-York.

# To find the similar pattern of crimes among neighborhoods

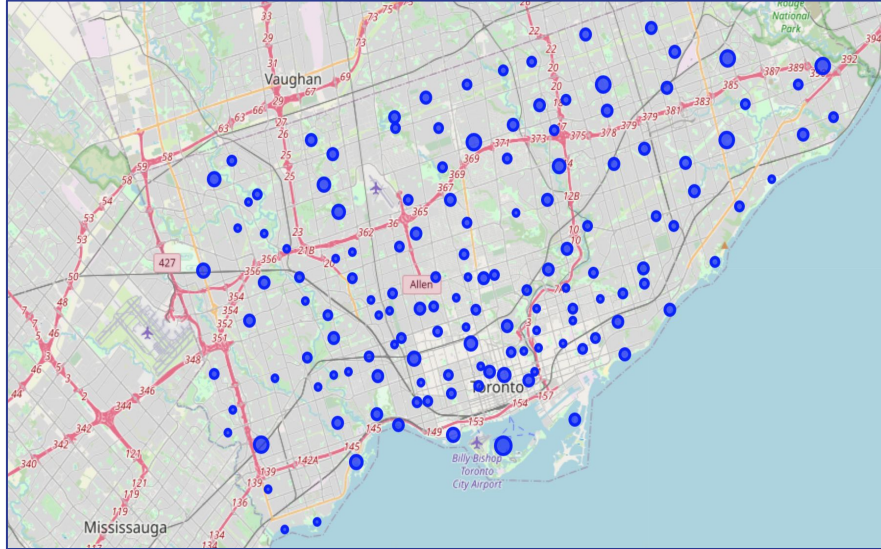


The crime types include assault, auto theft, break and enter and robbery.

Through the analysis of the times of crimes in each venues among neighborhoods, and the crime rate per capita to collect the similar pattern.

In this case, all neighborhoods are attributed into 7 categories.

# The geographical distribution of neighborhoods in Toronto.

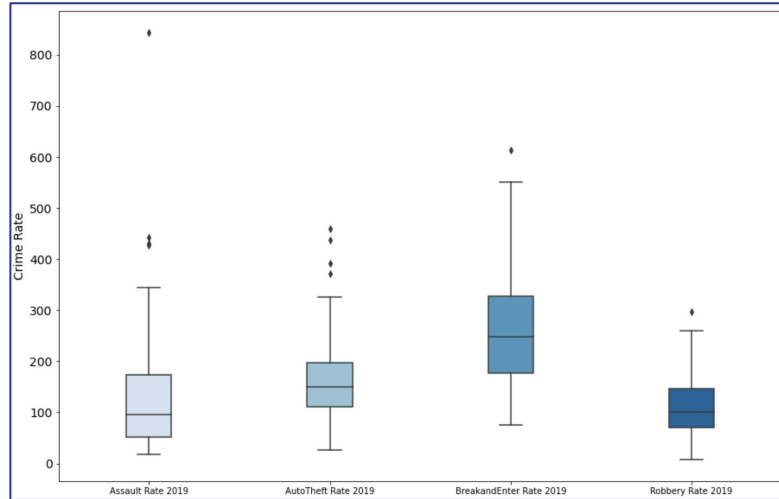


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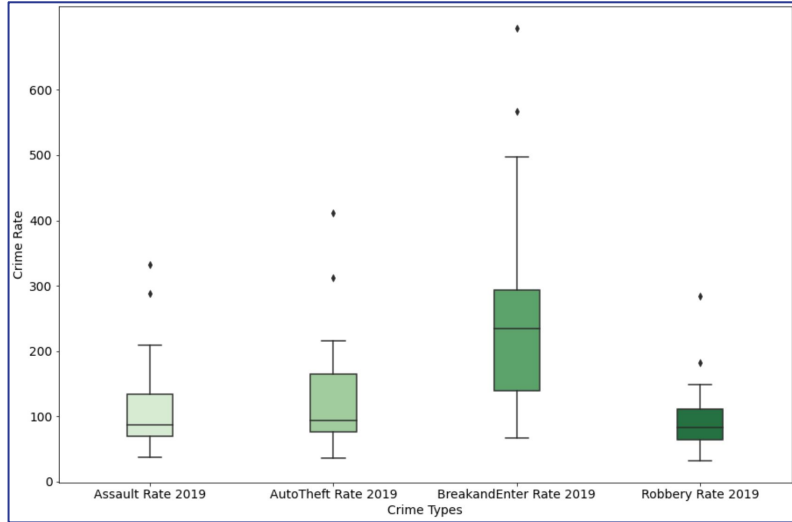
## The crime rate by different crime type in cluster 1



The first clusters included the highest number of neighborhoods

The graphic shows that the most crime rate derives from the type of enter and break. The median of crime rate from assault and robbery is lower than 100.

## The crime rate by different crime type in cluster 2



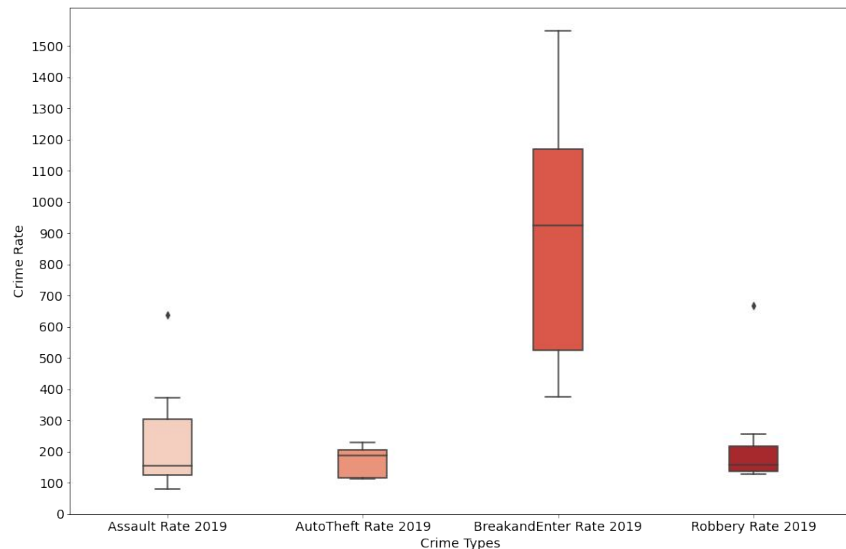
The second clusters includes the second highest number of neighborhoods

Compared with the preceding one, the crime rate of auto theft is lower, however, the crime rate of break and enter is increasingly larger.

In the specific neighborhood, the rate is even more than 600.

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## The crime rate by different crime type in cluster 3



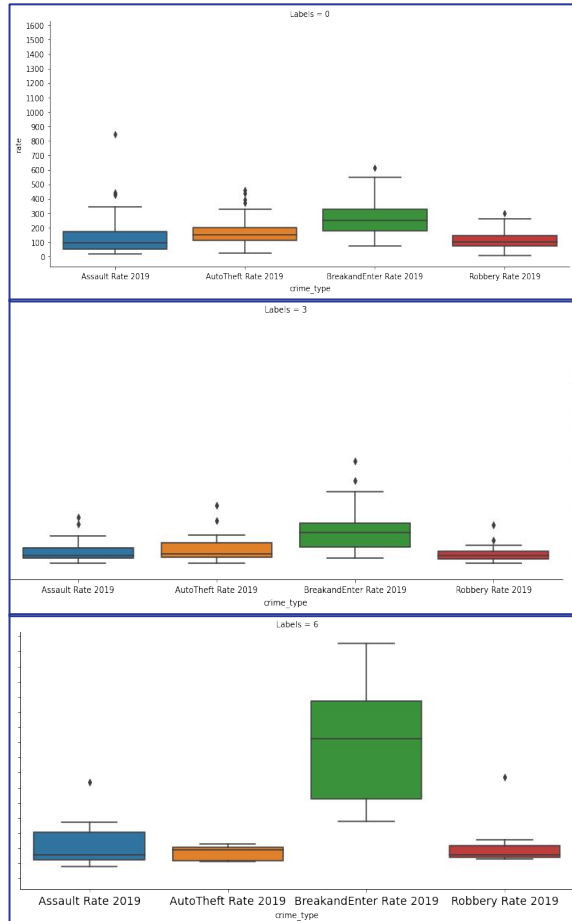
The third clusters included the third highest number of neighborhoods.

In this cluster, the extreme high crime rate of break and enter can be detected, compared with other crime types.

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# Conclusion



The graphic shows that in all three clusters, the crime type with most highest crime rate is break and enter.

And there is no large difference of crime rate in assault, auto-theft, and robbery.



Thank you for  
your attention