

Finding a better place in Scarborough, Toronto

IBM - Data Science Capstone Project

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Introduction

- The purpose of this Project is to help people in exploring better facilities around their neighborhood.
- It will help people making smart and efficient decision on selecting great neighborhood out of numbers of other neighborhoods in Scarborough, Toronto.
- This Project aim to create an analysis of features for a people migrating to Scarborough to search a best neighborhood as a comparative analysis between neighborhoods.

Data

Data Link: https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M

The data retrieved from Foursquare contained information of venues within a specified distance of the longitude and latitude of the postcodes. The information obtained per venue as follows:

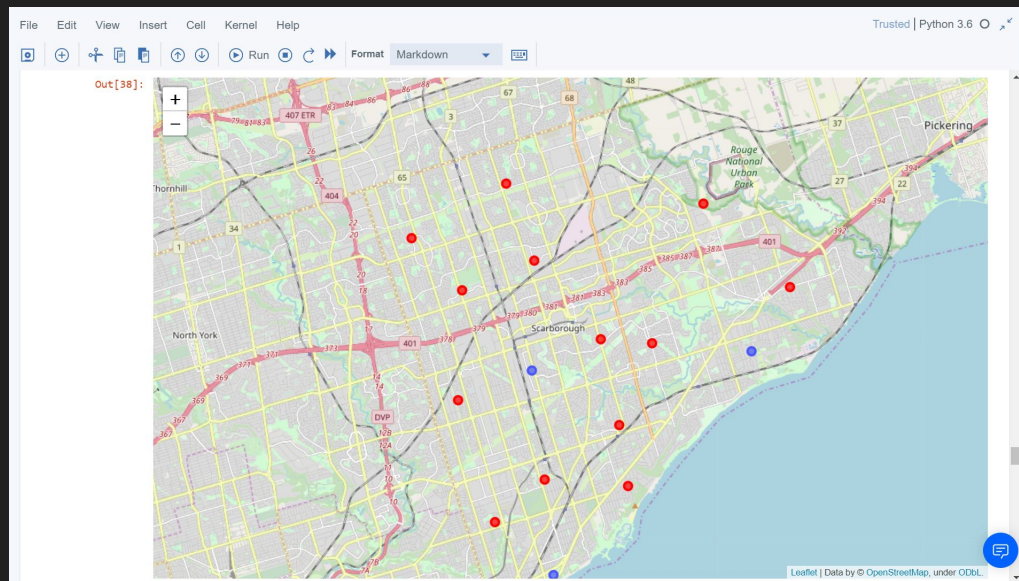
1. Neighborhood
2. Neighborhood Latitude
3. Neighborhood Longitude
4. Venue
5. Name of the venue e.g. the name of a store or restaurant
6. Venue Latitude
7. Venue Longitude
8. Venue Category

Methodology

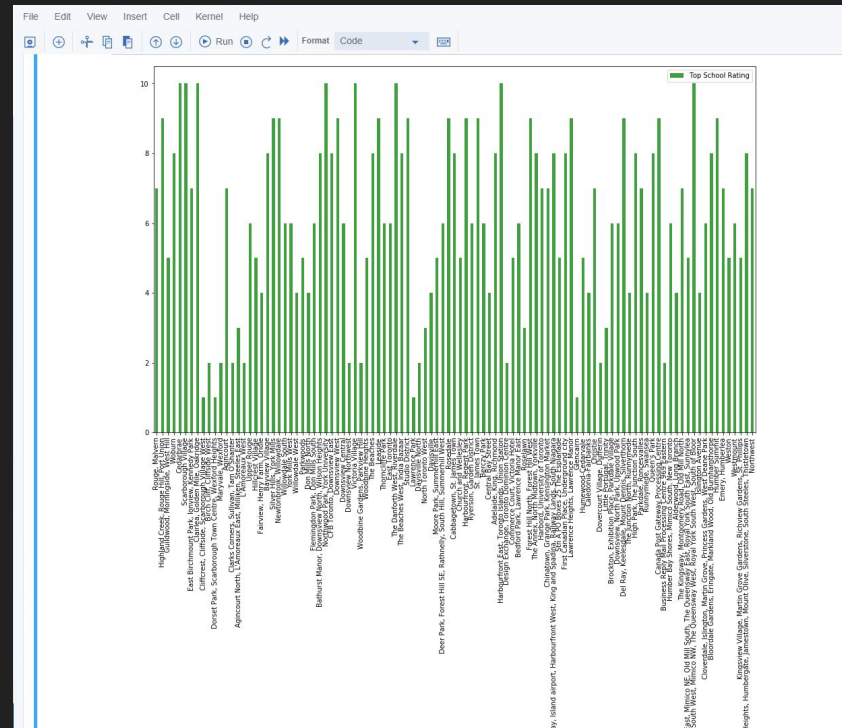
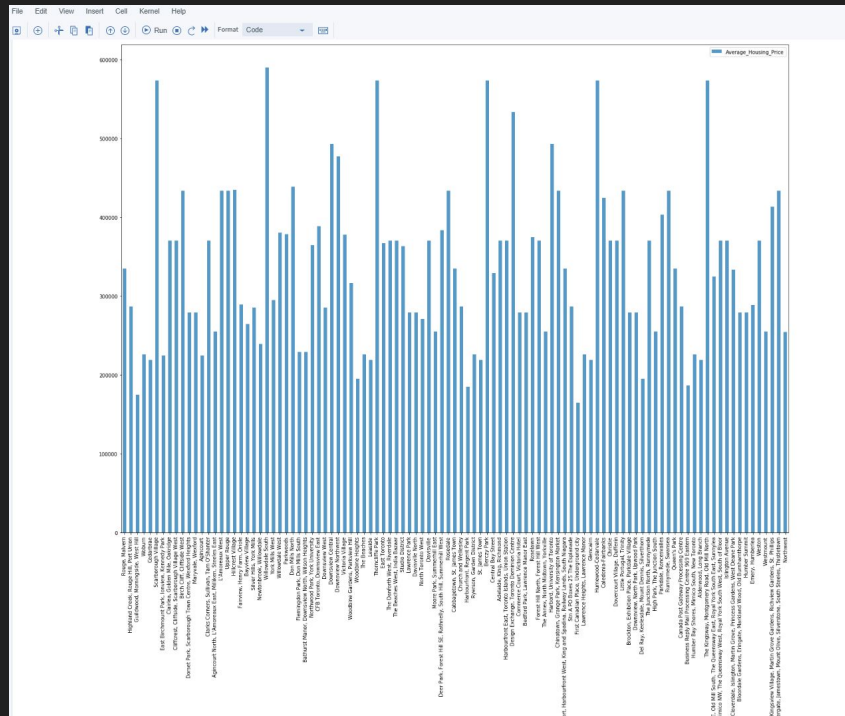
- Clustering
- Most common venues in the neighborhood using groups

Results

Map



Average housing price and school ratings



Conclusion

- In this project, using k-means cluster algorithm I separated the neighborhood into 10(Ten) different clusters and for 103 different latitudes and longitudes from dataset, which have very-similar neighborhoods around them.
- Using the charts above results presented to a particular neighborhood based on average house prices and school rating have been made.

Thank You