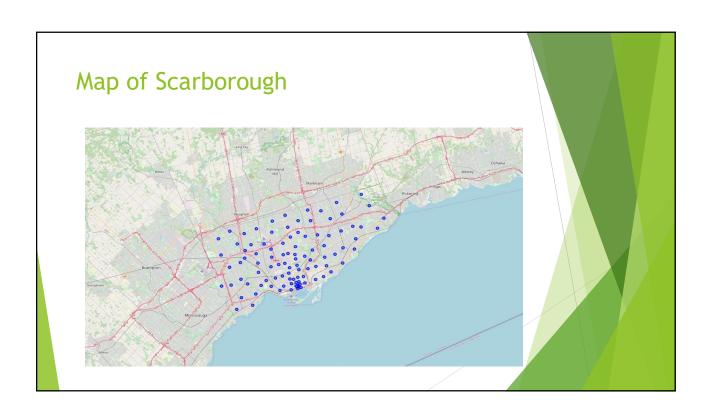
The Battle of Neighborhoods

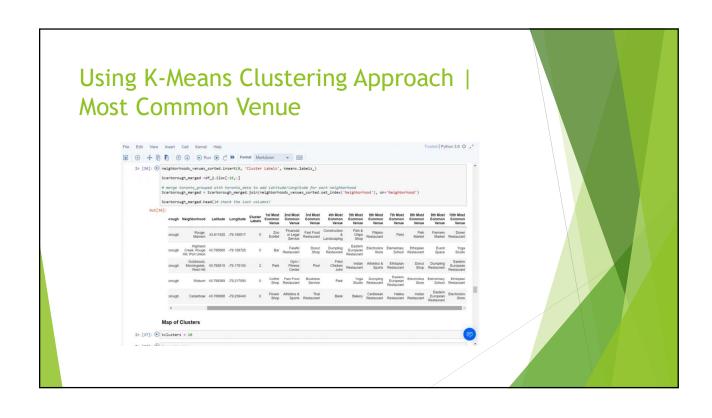
1. Introduction

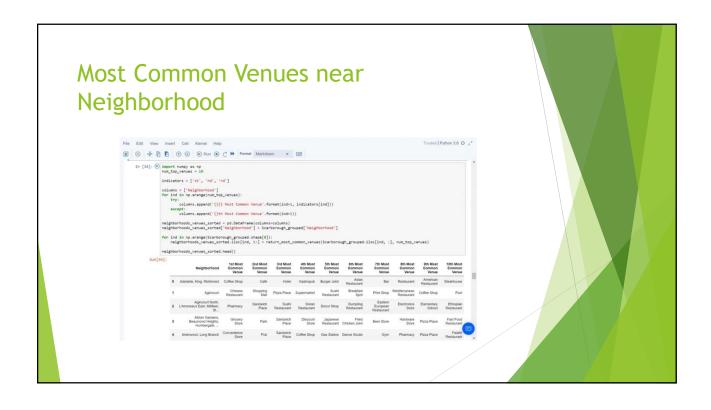
- ▶ The purpose of this Capstone Project is to help people in exploring better facilities around their neighborhood. It will help people making smart and efficient decision on selecting great neighborhood out of numbers of other neighborhoods in Scarborough, Toronto.
- Lots of people are migrating to various states of Canada and needed lots of research for good housing prices and reputed schools for their children. This project is for those people who are looking for better neighborhoods.

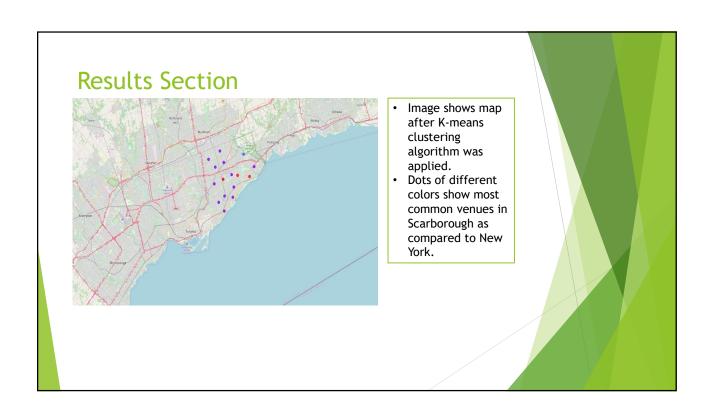
2. Data Section

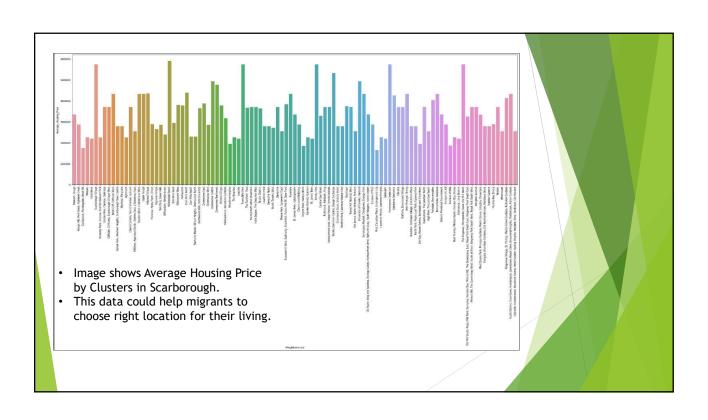
- ▶ Data Link: https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M Will use Scarborough dataset which we scrapped from Wikipedia on Week 3. Dataset consisting of latitude and longitude, zip codes.
- ▶ We will need data about different venues in different neighborhoods of that specific borough. In order to gain that information we will use "Foursquare" locational information.
- ▶ 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: Neighborhood, Neighborhood Latitude, Neighborhood Longitude, Venue, Name of the venue, Venue Latitude, Venue Longitude, Venue Category.

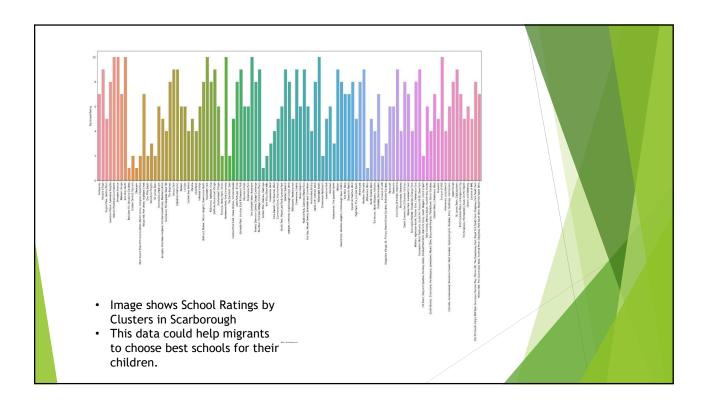












Conclusion

- ▶ In this Capstone project, using k-means cluster algorithm I separated the neighborhood into 10(Ten) different clusters and for 103 different latitude and longitude 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.
- ► This Capstone project can be continued for making it more precise in terms to find best house in Scarborough.
- Other Clustering algorithms can be used and compared with K-mean algorithm.