



CAPSTONE PROJECT

THE BATTLE OF NEIGHBORHOOD

CAPSTONE PROJECT - SCARBOROUGH, TNT

- Help people in exploring better facility in neighborhood
- Help making smart and efficient decision
- Research needed for good housing prices and reputed schools
- Ease of access to amenities
- Awareness of the area before moving to new city.



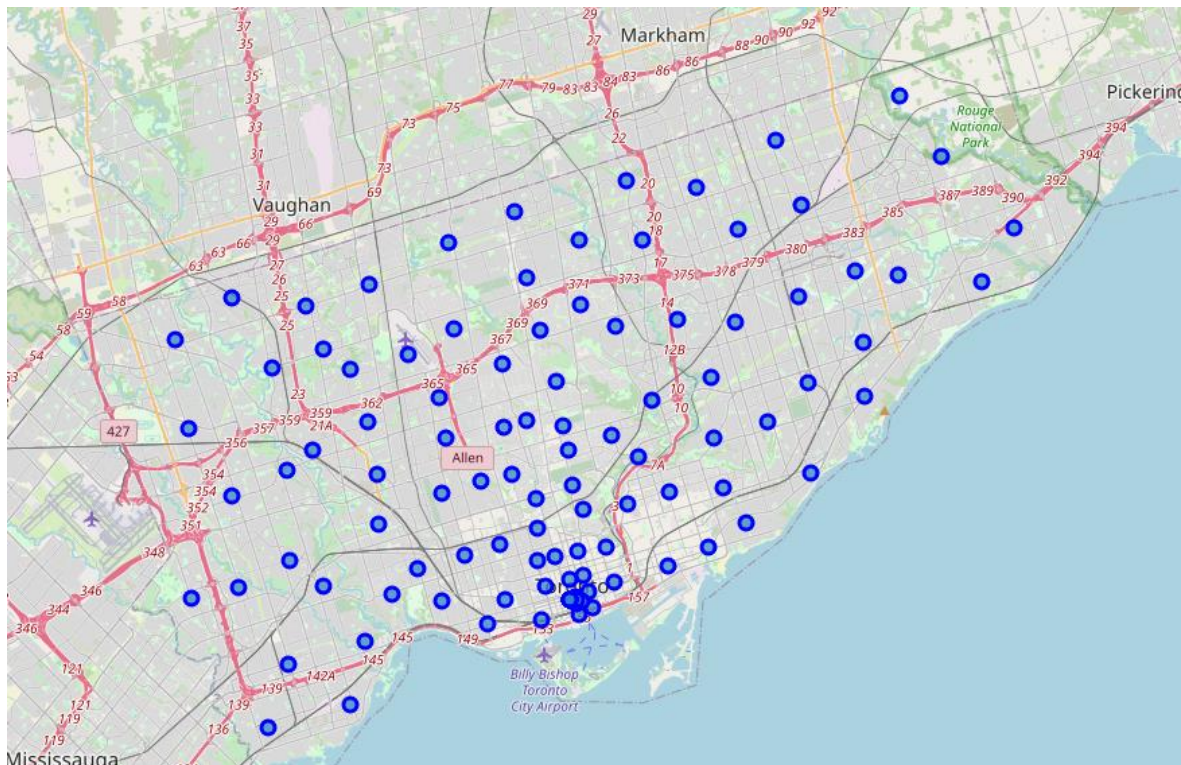
CAPSTONE PROJECT – DATA ACQUISITION & CLEANING



DATA SOURCE

- Link to postal code:
https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M
- Geospatial Lat and Long data by scraping through data from:
http://cocl.us/Geospatial_data
- Location data provider: Foursquare API

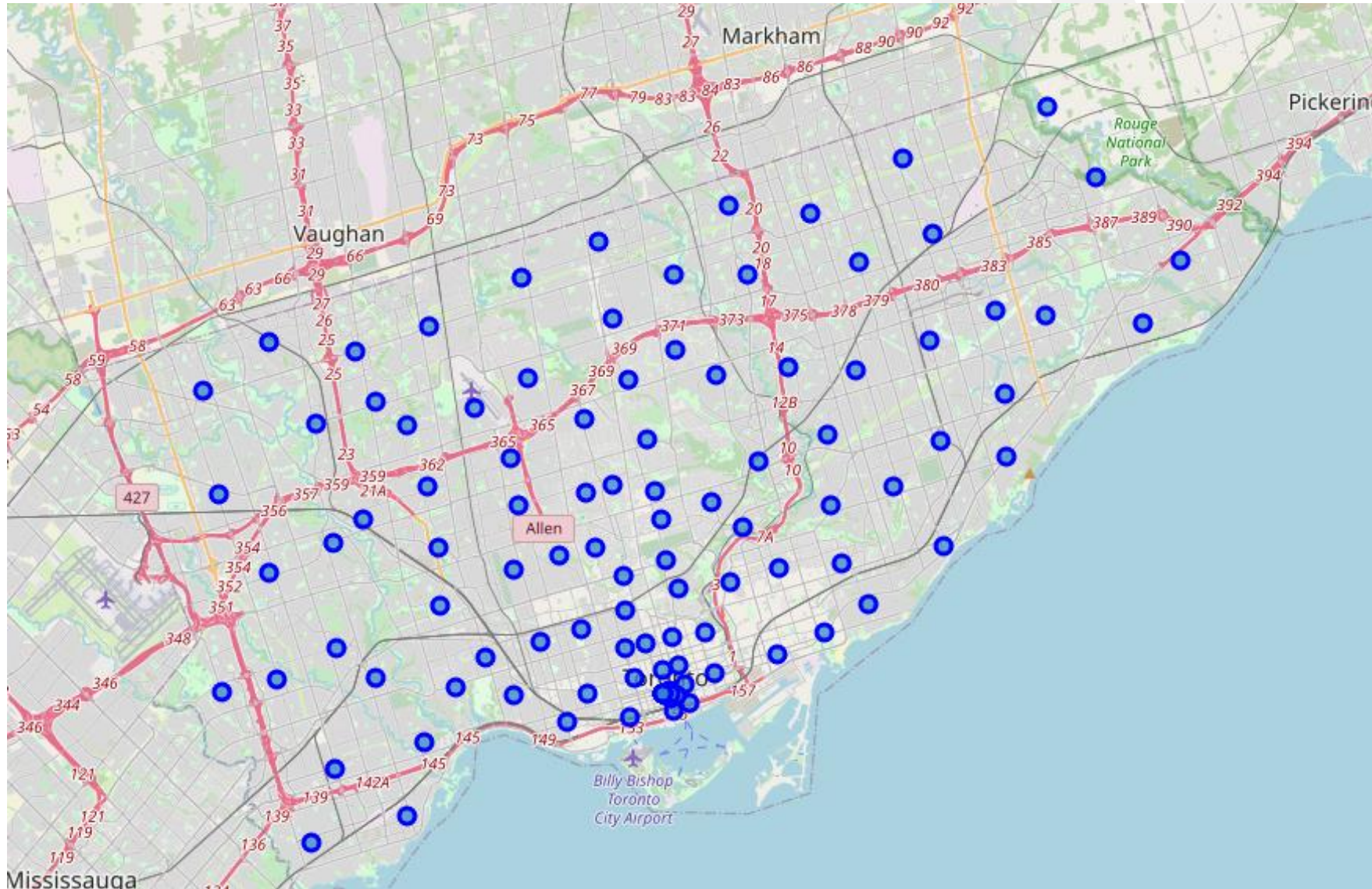
CAPSTONE PROJECT – METHODOLOGY



Clustering Approach

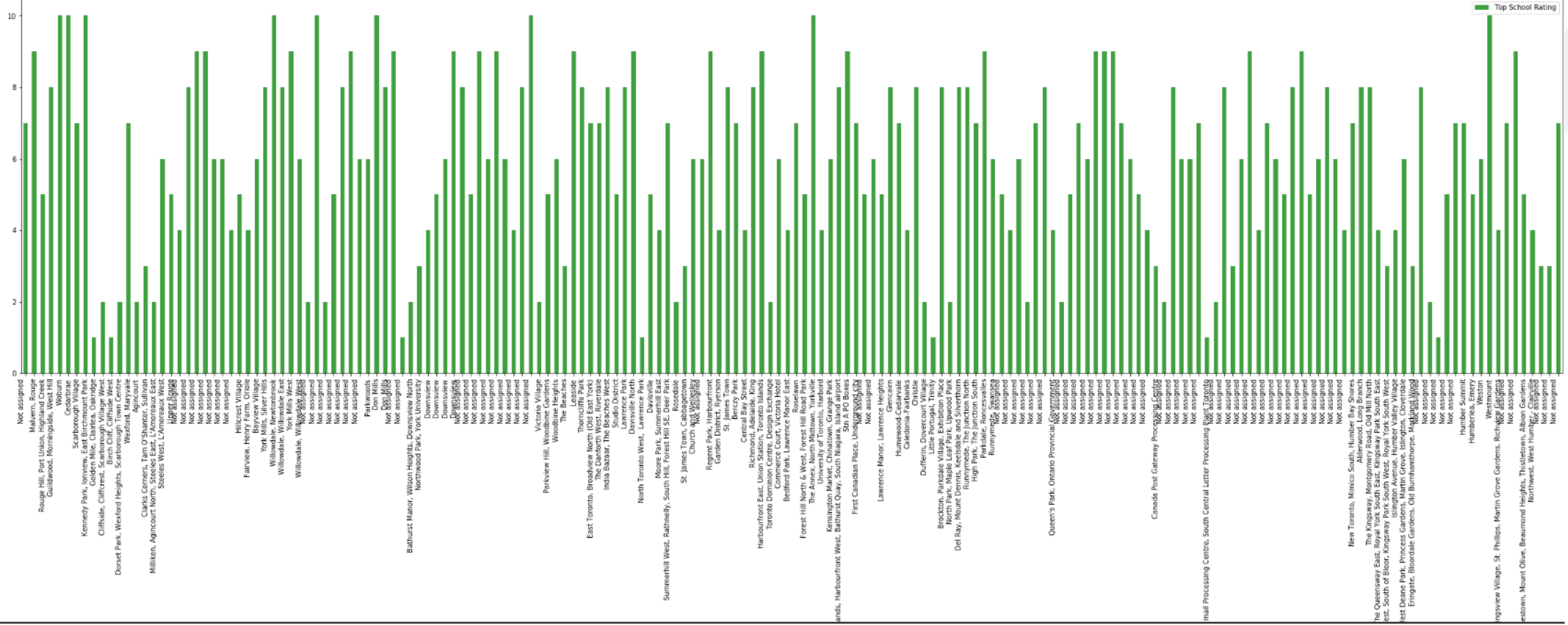
- To compare the similarities of two cities, we decided to explore neighborhoods, segment them, and group them into clusters to find similar neighborhoods in a big city like New York and Toronto.
- We need to cluster data which is a form of unsupervised machine learning: k-means clustering algorithm..

CAPSTONE PROJECT – MOST POPULAR HOTSPOTS





CAPSTONE PROJECT – TOP SCHOOL RANKING



CAPSTONE PROJECT – CONCLUSION

- Using charts above based on average house prices and school rating, people can zero in on areas on interest for moving.
- Better places to live with accessibility to amenities and good schooling for kids improves general quality of life.
- Accuracy of the model used has room for improvement
- Project can be further made more precise to find best houses in Scarborough subject to availability of data.



THANK YOU
