Finding the Perfect Neighbourhood

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Introduction



- Canada- A Country in the nothern part of canada, is one of the second largest country in total area
- Population consists of about 38 million with different races, Etinicity and religon of people.

Business Problem

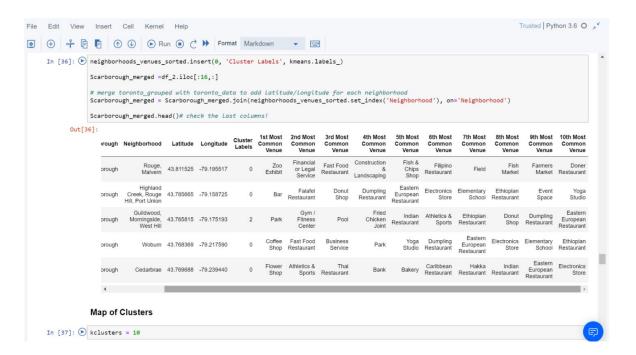
 Not all neighborhoods can access all all the facilities available. eg Malls shops Schools Entertainemnt facilities etc.

Data

- Neighbourhoods of Canada
 - Postal codes of Canada wikipedia page through data scraping.
- Venue data from FourSquare
 - Using FourSquare API

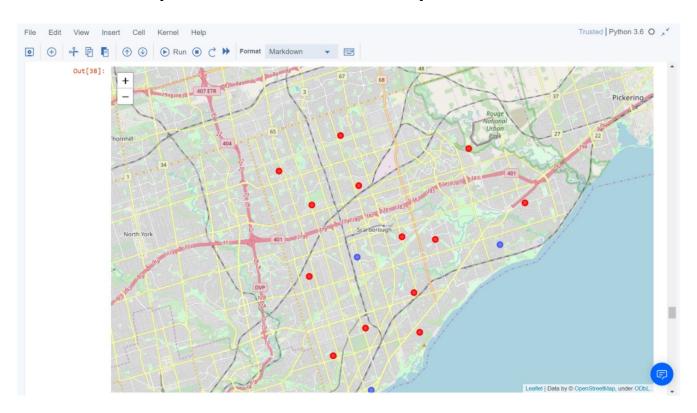
Methodology

- Feature Extraction
 - Using K-Clustering method



Plotting

Cluster points on the Maps



The Location:

Scarborough is a popular destination for new immigrants in Canada to reside. As a result, it is one of the most diverse and multicultural areas in the Greater Toronto Area, being home to various religious groups and places of worship. Although immigration has become a hot topic over the past few years with more governments seeking more restrictions on immigrants and refugees, the general trend of immigration into Canada has been one of on the rise.

Discussion

Problem Which Tried to Solve:¶

The major purpose of this project, is to suggest a better neighborhood in a new city for the person who are shiffting there. Social presence in society in terms of like minded people. Connectivity to the airport, bus stand, city center, markets and other daily needs things nearby.

Sorted list of house in terms of housing prices in a ascending or descending order

Sorted list of schools in terms of location, fees, rating and reviews

Conclusion

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