Capstone Project - The Battle of Neighborhoods

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.

Longitude and Latitude Data

We will need geo-locational information about that specific borough and the neighborhoods in that borough. It is "Scarborough" in Toronto. This project will require knowledge of the different neighborhoods in Toronto, school ratings and median house prices.

Dataset comprising latitude and longitude, zip codes is already available through the previous notebook which could be found here.

Why do we care about certain features?

There are 2 primary reasons we are focussing on a dataset that includes Longitude,Latitude and Postal Codes.
1. Longitude and Latitude helps us to use the FourSquare API easily and make a query and tabulate relevant information.

2.Suppose a person is reading our final tabulation and knows the name/postal code of an area.Then he/she could very well quickly search the adjoining area. Also a place might be big and divided into sectors having different postal codes and each neighbourhood is a bit different from other so it may help the end user to effectively search exact results.

Foursquare API Data

We will need data about different venues in different neighborhoods of that specific borough.Information includes venue names, locations, menus and even photos.

For each neighborhood, we will limit the radius.

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. Latitude
3. Longitude
4. Venue
5. Name of the venue
6. Venue Latitude
7. Venue Longitude
8. Venue Category