Data Section

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

I have used the same data that we scrapped from Wikipedia for our week 3 assignment

Due to some issue in my notebook, beautiful soup was not working and hence I have used the csv file provided to us in week 3 to get the location data.

This csv file has the latitude and the longitude of the various neighbourhoods of Scarborough and is stored in a data frame .

The data scraped from the link is used to create a data frame and then the data frame is merged with the latitude data frame to create a complete data set for the purposes of the project.

Foursquare API Data:

We will need data about different venues in different neighbourhoods of that specific borough. In order to gain that information we will use "Foursquare" locational information. Foursquare is a location data provider with information about all manner of venues and events within an area of interest. Such information includes venue names, locations, menus and even photos. As such, the foursquare location platform will be used as the sole data source since all the required information can be obtained through the API.

After finding the list of neighbourhoods, we then connect to the Foursquare API to gather information about venues within each neighbourhood. For each neighbourhood, I have chosen the radius to be 100 metres.

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. Neighbourhood

2. Neighbourhood Latitude

3. Neighbourhood 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