The Battle of Neighborhood – Capstone Project
Indian Restaurant analysis in Toronto

Introduction

Toronto is the largest city of Canada with the Greater Toronto population of over 6 million. It is ethnically very diverse city with various cultures with which come numerous cuisines including Chinese, Indian, Italian etc . Canada, in particular Toronto has a significant Indian population. The project is to analysis the neighborhoods of Toronto to find best places with Indian restaurants and potentially help find area where there are business opportunities to open an Indian restaurant.

Part of the project we will analyze and visualize major parts of Toronto with Indian restaurants.

We will try to get answers to following question

- Best places in Toronto to find good Indian restaurant.
- Areas having potential market for Indian restaurant.
- Neighborhood to stay with good Indian restaurant.

Also same project can be extended to analyze other cities and other type of restaurants / business int the city

Data

As we need to explore neighborhoods in the city of Toronto, the Toronto neighborhoods data is key for this project. Unfortunately, the data is for the Toronto neighborhood data is not widely available on the Internet in the structured format, hence we need to scrap it through an existing Wikipedia page exists that has all the information we need to explore and analyze the neighborhoods in Toronto.

https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M

We also need the coordinates of the neighborhood to obtain venu details of the neighborhood also to visualize the data in the map.

We use http://cocl.us/Geospatial_data for getting the latitude and longitude of the postal codes of the neighborhood

We rely extensively on Foursquare for collecting Venu data pertaining to Indian restaurant and also to collect rating of each of the Indian restaurant.

We will also use the Geospacial data for getting the boundaries of Borough to visualize data on the map