Problem Statement:

I would like to explore the prospect of opening a restaurant in Toronto. Toronto is a city of diversity and hub of immigrant people. In this project, I will illustrate the decision-making process of establishing a restaurant in Toronto analyzing the neighbourhoods in Toronto to identifying the most profitable area. It is important to get an idea of the neighborhood before opening a restaurant business to have an idea about their ethnicity and taste.

Target Audience

Business personnel who wants to invest or open an Indian restaurant in Toronto. This analysis will be a comprehensive guide to start or expand restaurants targeting the Indian crowd.

Data acquisition and cleaning:

Data Sources

The following dataset I am using to do this report,

a) (https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M) wiki page to get all the information about the neighbourhoods present in Toronto. This page has the postal code, borough & the name of all the neighbourhoods present in Toronto.
b) "https://cocl.us/Geospatial_data" csv file to get all the geographical coordinates of the neighbourhoods. To get information about the distribution of population by their ethnicity
c) "Demographics of Toronto.(https://en.m.wikipedia.org/wiki/Demographics_of_Toronto#Ethnic_diversity) wiki page. Using this page I'm going to identify the neighbourhoods which are densely populated with Indians as it might be helpful in identifying the suitable neighbourhood to open a new Indian restaurant.

To get location and other information about various venues in Toronto I'm using Foursquare's explore API. Using the Foursquare's explore API (which gives venues recommendations), I'm fetching details about the venues up present in Toronto and collected their names, categories and locations (latitude and longitude). From Foursquare API (https://developer.foursquare.com/docs), I retrieved the following for each venue:

- Name: The name of the venue.
- Category: The category type as defined by the API.
- Latitude: The latitude value of the venue.
- Longitude: The longitude value of the venue.