

# **Using Machine Learning Algorithms to find areas to open Indian Restaurant**

## **1.Introduction:**

- In this project I would like to create a venture where I am opening an Indian Restaurant in Toronto. As Toronto has a good amount of people of Asian ethnicity it is a good opportunity to open the restaurant in an area where the demographic is Asian. I would look at neighborhoods where there are Asian restaurants to get a good location. This project will help me find the suitable location.
- The main objective is to find areas that have a considerable Asian population and to use the information to start a Indian Restaurant.

## **2.Data:**

To solve this problem, I will need below data :

- List of neighborhoods in Toronto, Canada.
- Latitude and Longitude of these neighborhoods.
- Venue data related to Asian restaurants. This will help us find the neighborhoods that are most suitable to open a Burmese restaurant.

## **3. Extracting Data**

- Scrapping of Toronto neighborhoods via Wikipedia
- Getting Latitude and Longitude data of these neighborhoods via Geocoder package
- Using Foursquare API to get venue data according to the neighborhood