

# Suitable Location Recommender

J.sasikiran

## 1. Introduction:-

### 1.1 Background:-

In present days Finding perfect place to open restaurants is very important because it is directly impacting growth of that restaurant.

If we can find best place to open restaurant then our sales will increase eventually. There are some things which impact growth of restaurant those are place, competition from other restaurants. For example if we open another restaurant which offer Italian food in place where there are many such type of restaurants are present , then our business will not success. But if we can open some other restaurant which offer Indian food then there will be no or little competition. So that our business will be successful.

### 1.2 Problem:-

The objective of this capstone project is to find suitable regions for entrepreneur to open restaurants with different countries food recipes. By using Data science methods and machine learning techniques like clustering (K-means) and foursquare api , we can find suitable places for opening different types of restaurants.

This project aims to provide answer to business Problem: In Toronto , If an entrepreneur wants to open different types of restaurants where there will be no competition i.e... which places are good/suitable to open new restaurant?

## 2. Data Sources

To solve this Business problem, I am going to use following Data:-

- 1) List of Neighborhoods in Toronto, Canada
- 2) Latitude and Longitude of Neighborhoods
- 3) Details related to Restaurants like name , type of food etc..., from Foursquare. This will help me find most suitable region to open restaurants.