Finding an optimal location to open a Restaurant by leveraging Data Science

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1. Introduction

For this project, I am planning create a scenario for a concept restaurant in Toronto area. The idea behind this project is to suggest a an area for a restaurant, which gives a great opportunity for the entrepreneur. The food items selected were Burmese food as it is very similar to other Asian places. The entrepreneur will definitely think to open this in locations where Asian food is popular. This project helps him to find a suitable location for him to open the Restaurant.

Business Problem:
The main objective of this work is to find the suitable location for the person who want to open the Restaurant in Toronto. By leveraging Data Science and Machine Learning algorithms, this projects aims to find solution to the business question.

Problem Statement:
What is the best location to open a Burmese restaurant in Toronto?

Target Audience:
The entrepreneur who want to open the Restaurant.

2. Data
The data required to solve this problem
- List of neighbourhoods in Toronto, Canada along with their latitudes and longitudes.
- Venue data related to Asian Restaurants.

3. Methodology
To get the neighbourhoods in Toronto, a Wikipedia page is extracted. I did the web scrapping by utilizing pandas html table scrapping method as it is easier and more convenient to pull tabular data directly from a web page into dataframe.
However, it is only a list of neighbourhood names and postal codes.

4. Results