Battle of Neighborhoods (Week 1)

1. Introduction

Hong Kong is one of the most populous cities in Asia. It is diverse and is the financial capital of China. It is multicultural with business opportunities provided and a business-friendly environment. It has attracted many different players into the market as a global hub of business and commerce. The city is a major center for banking and finance, retailing, world trade, transportation, tourism, real estate, new media, traditional media, advertising, legal services, accountancy, insurance in Asia.

In this project, I will go through the following step:

- Obtain the data;
- Data visualization and some simple statistical analysis;
- Analysis using **Cluster,** specially K-Means Clustering;
- Compare the District to find the best place to start up a restaurant;
- Inference from these results and related conclusion.

2. Preparation for Data

Use Wikipedia and scrap the names of **18** Districts.

Process the information properly to retrieve the necessary details and create a data frame.

Use Geopy to get the coordinates of all the districts.

Data 1: The data of 18 districts of Hong Kong. https://en.wikipedia.org/wiki/Districts_of_Hong_Kong

Data 2: Foursquare API to collect information on the venues/competitors in the neighborhoods of Hong Kong.