

Open a Homestyle Japanese Restaurant in New York (The Battle of Neighborhoods)

Introduction

New York city is major of cultural, financial, commercial centers in the world. The population of New York city is 8 million and it is most density population. The city has as-you-desired choice of restaurants. One of my clients ask to open a Japanese restaurant in New York city. This client plans to open a homestyle Japanese restaurant, unlike generic of Sushi restaurants, the homestyle restaurants are relatively reasonable. It is a niche market analysis that explore existing Japanese restaurants in New York city and what are the current trends. Among the current popularity and prices of existing Japanese restaurants, we are going to recommend the best location to open the Homestyle Japanese restaurant.

Data

New York city data is obtained from URL 'https://cocl.us/new_york_dataset'. After obtaining New York city data in a json file, it will convert to the data frame which contains Borough, Neighborhood, Latitude and Longitude. Then it will generate number of borough and neighborhood exists in this data. I will create maps and charts using Folium and Matplotlib. In order to look into popularity and price, Foursquare will be used to obtain the data. Cluster analysis will be used algorithm in Sklearn for the final recommendation.

	Borough	Neighborhood	Latitude	Longitude
0	Bronx	Wakefield	40.894705	-73.847201
1	Bronx	Co-op City	40.874294	-73.829939
2	Bronx	Eastchester	40.887556	-73.827806
3	Bronx	Fieldston	40.895437	-73.905643
4	Bronx	Riverdale	40.890834	-73.912585