

Introduction & Business Problem:

Being the most populous city of USA, New York City is having diverse culture influenced by the immigrants. This diversity is in every aspect whether it is living, business, dressing or food. It provides a lot of business opportunities and a business friendly environment. It has attracted many different players into the market. 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, theater, fashion, and the arts in the United States. This also means that the market is highly competitive. As it is highly developed city so cost of doing business is also one of the highest. Thus, any new business venture or expansion needs to be analyzed carefully. The insights derived from analysis will give good understanding of the business environment which helps in strategically targeting the market. This will help in reduction of risk. And the Return on Investment will be reasonable.

The City of New York is famous for its excellent cuisine. Its food culture includes an array of international cuisines influenced by the city's immigrant history. Thai restaurants have become so popular in the United States now it seems that there is one on every corner, not only in major cities but also in smaller cities. Starting a Thai restaurant can be a great business opportunity, but you need to distinguish yourself from others to enjoy long-term success.

If you plan a real restaurant that can demand higher prices for fresh Thai food, focus on neighborhoods and outlets that already attract Thai clients. If you plan a cheap buffet restaurant, points to the masses looking for affordable high-traffic locations with large shopping centers and other local points of interest.

My client wants to open his business in Manhattan area, so I focus on that borough during my analysis. We define potential neighborhood based on the number of Thai restaurant which are operating right in each neighborhood. Manhattan has full potential but also is a very challenging district to open a business because of high competition. New Thai restaurant should be open in an area that inadequate neighborhood in this way the restaurant can attract more customers. Therefore, this analysis necessary to ensure that we have enough customers and that we are not so close to other Thai restaurants.

Data

I am going to work on New York City neighborhood. In order to segment the neighborhoods and explore them, we will essentially need a dataset that contains the boroughs and the neighborhoods that exist in each borough as well as the latitude and longitude coordinates of each neighborhood. This dataset exists for free on the web. Link to the dataset is: https://cocl.us/new_york_dataset

New York City geographical coordinates data will be utilized as input for the Foursquare API that will be leveraged to provision venues information for each neighborhood. We will use the Foursquare API to explore neighborhoods in New York City. I am going to find out the best location for starting a Thai restaurant so I will retrieve the venues for Thai category. Thai category Id 4bf58dd8d48988d149941735 is used for retrieving data from Foursquare API.

So the dataset having new York neighborhood names will be used for boroughs and the Thai restaurant venues are collected by foursquare API and both of them will be merged to get a complete dataset on which clustering can be done. The retrieved neighborhood data is given below

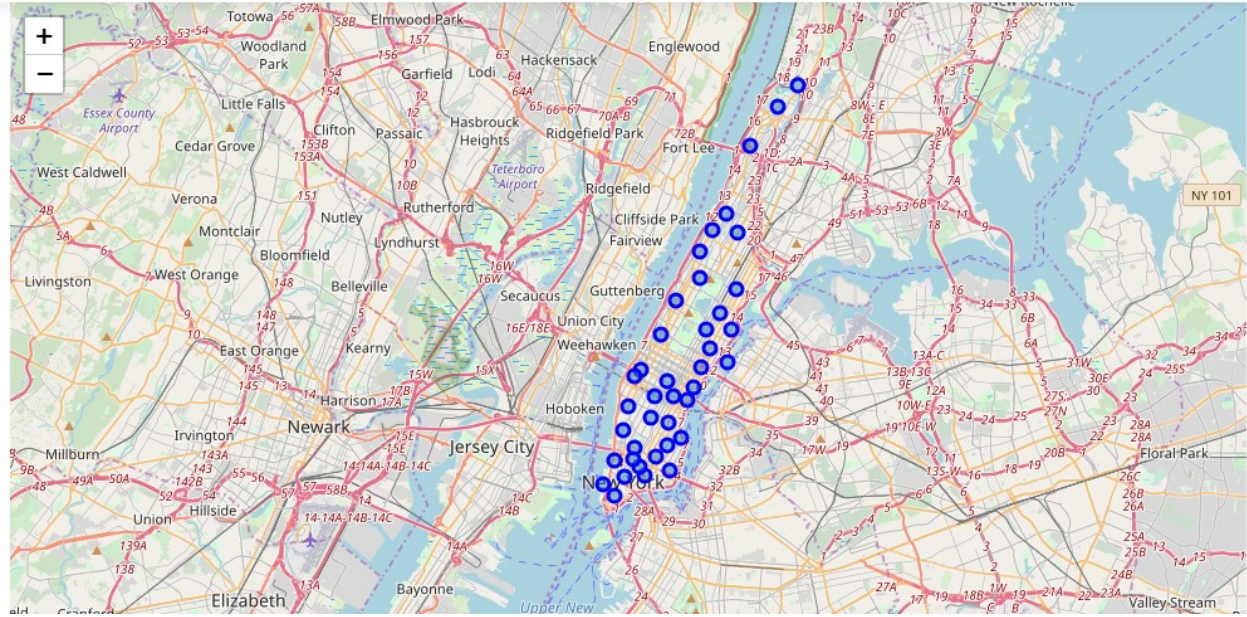
```
neighborhoods.head()
```

| | 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 |

Methodology

In this project, I have retrieved addresses into their equivalent latitude and longitude values using geocoder. Then I used the Foursquare API to explore neighborhoods in Manhattan, New York. After that, explore function to get Thai restaurant categories in each neighborhood.

| | Neighborhood | Neighborhood Latitude | Neighborhood Longitude | Venue | Venue Latitude | Venue Longitude | Venue Category |
|---|--------------|-----------------------|------------------------|-------------------|----------------|-----------------|-----------------|
| 0 | Marble Hill | 40.876551 | -73.910660 | Siam Square | 40.878796 | -73.916701 | Thai Restaurant |
| 1 | Marble Hill | 40.876551 | -73.910660 | Nam Thai | 40.886388 | -73.910025 | Thai Restaurant |
| 2 | Chinatown | 40.715618 | -73.994279 | Noree Thai Bazaar | 40.717900 | -73.992966 | Thai Restaurant |
| 3 | Chinatown | 40.715618 | -73.994279 | Little Wayla | 40.718337 | -73.992693 | Thai Restaurant |
| 4 | Chinatown | 40.715618 | -73.994279 | Thai Diner | 40.720739 | -73.995631 | Thai Restaurant |



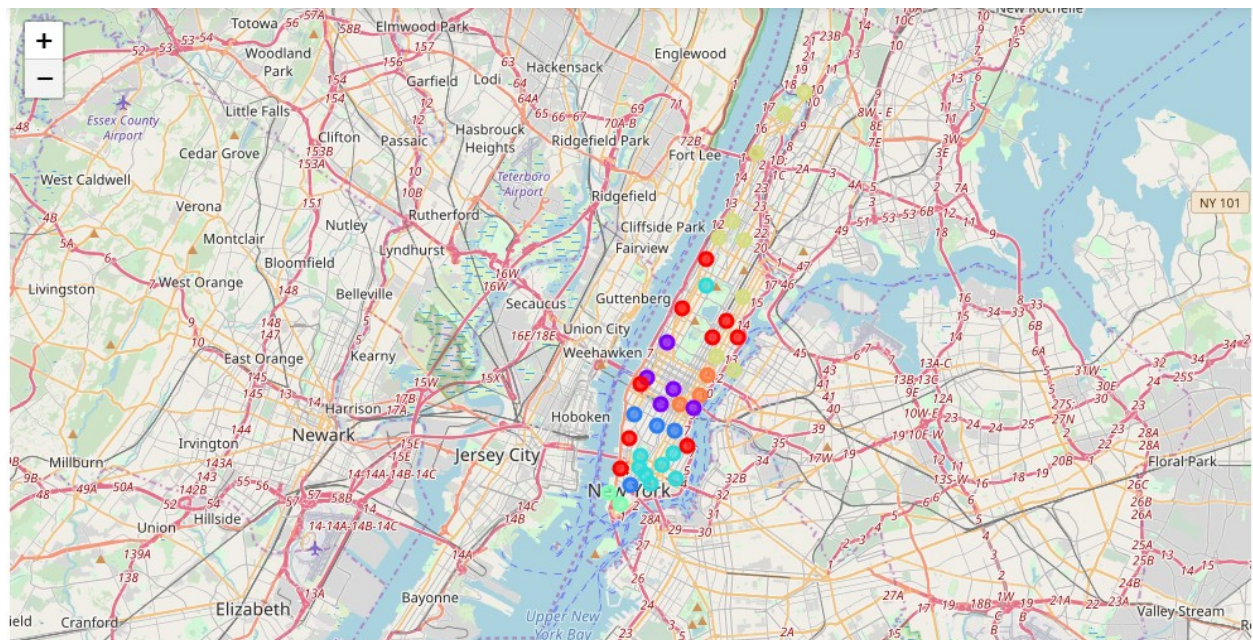
| Neighborhood | Asian Restaurant | Chinese Restaurant | Filipino Restaurant | Food Truck | Indian Restaurant | Japanese Restaurant | Malay Restaurant | Ramen Restaurant | Sushi Restaurant | Thai Restaurant | Vietnamese Restaurant | Wine Bar |
|---------------|------------------|--------------------|---------------------|------------|-------------------|---------------------|------------------|------------------|------------------|-----------------|-----------------------|----------|
| 0 Marble Hill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 1 Marble Hill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 2 Chinatown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 3 Chinatown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 4 Chinatown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |

Figure 1: Thai Restaurants in Manhattan

Then use this feature to group the neighborhoods into clusters K-means clustering algorithm will be use to complete this task. And also, the Folium library to visualize the neighborhoods in Manhattan and its emerging clusters.

| Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| 0 Battery Park City | Thai Restaurant | Japanese Restaurant | Food Truck | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Indian Restaurant | Filipino Restaurant |
| 1 Carnegie Hill | Thai Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck |
| 2 Central Harlem | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck | Filipino Restaurant |
| 3 Chelsea | Thai Restaurant | Malay Restaurant | Japanese Restaurant | Food Truck | Chinese Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Indian Restaurant |
| 4 Chinatown | Thai Restaurant | Asian Restaurant | Vietnamese Restaurant | Sushi Restaurant | Malay Restaurant | Filipino Restaurant | Wine Bar | Ramen Restaurant | Japanese Restaurant | Indian Restaurant |

| | Borough | Neighborhood | Latitude | Longitude | Cluster Labels | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue |
|----|-----------|--------------------|-----------|------------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 0 | Manhattan | Marble Hill | 40.876551 | -73.910660 | 5 | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 1 | Manhattan | Chinatown | 40.715618 | -73.994279 | 3 | Thai Restaurant | Asian Restaurant | Vietnamese Restaurant | Sushi Restaurant | Malay Restaurant | Filipino Restaurant | Wine Bar | Ramen Restaurant |
| 2 | Manhattan | Washington Heights | 40.851903 | -73.936900 | 5 | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 3 | Manhattan | Inwood | 40.867684 | -73.921210 | 5 | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 4 | Manhattan | Hamilton Heights | 40.823604 | -73.949688 | 5 | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 5 | Manhattan | Manhattanville | 40.816934 | -73.957385 | 5 | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 6 | Manhattan | Central Harlem | 40.815976 | -73.943211 | 5 | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 7 | Manhattan | East Harlem | 40.792249 | -73.944182 | 5 | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 8 | Manhattan | Upper East Side | 40.775639 | -73.960508 | 0 | Thai Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant |
| 9 | Manhattan | Yorkville | 40.775930 | -73.947118 | 0 | Thai Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant |
| 10 | Manhattan | Lenox Hill | 40.768113 | -73.958860 | 5 | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 11 | Manhattan | Roosevelt Island | 40.762160 | -73.949168 | 5 | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |



Results

K-mean Cluster Using K-mean to clustering data area with less number of Thai Restaurant

Cluster 0

| | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
|----|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| 8 | Upper East Side | Thai Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck |
| 9 | Yorkville | Thai Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck |
| 12 | Upper West Side | Thai Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck |
| 21 | Tribeca | Thai Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck |
| 24 | West Village | Thai Restaurant | Chinese Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck |
| 26 | Morningside Heights | Thai Restaurant | Indian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Food Truck | Filipino Restaurant |
| 30 | Carnegie Hill | Thai Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck |
| 37 | Stuyvesant Town | Thai Restaurant | Sushi Restaurant | Wine Bar | Vietnamese Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck | Filipino Restaurant |
| 39 | Hudson Yards | Thai Restaurant | Food Truck | Chinese Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |

Cluster 1

| | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
|----|----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| 13 | Lincoln Square | Thai Restaurant | Ramen Restaurant | Food Truck | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 14 | Clinton | Thai Restaurant | Ramen Restaurant | Food Truck | Chinese Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Malay Restaurant | Japanese Restaurant |
| 15 | Midtown | Thai Restaurant | Food Truck | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 33 | Midtown South | Thai Restaurant | Food Truck | Japanese Restaurant | Chinese Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Indian Restaurant |
| 36 | Tudor City | Thai Restaurant | Food Truck | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |

Cluster 2

| | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
|----|--------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| 17 | Chelsea | Thai Restaurant | Malay Restaurant | Japanese Restaurant | Food Truck | Chinese Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Indian Restaurant |
| 27 | Gramercy | Thai Restaurant | Food Truck | Chinese Restaurant | Malay Restaurant | Japanese Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant |
| 32 | Civic Center | Thai Restaurant | Malay Restaurant | Japanese Restaurant | Food Truck | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Indian Restaurant |
| 38 | Flatiron | Thai Restaurant | Food Truck | Chinese Restaurant | Malay Restaurant | Japanese Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant |

Cluster 3

| | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
|----|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| 1 | Chinatown | Thai Restaurant | Asian Restaurant | Vietnamese Restaurant | Sushi Restaurant | Malay Restaurant | Filipino Restaurant | Wine Bar | Ramen Restaurant | Japanese Restaurant | Indian Restaurant |
| 18 | Greenwich Village | Thai Restaurant | Asian Restaurant | Sushi Restaurant | Chinese Restaurant | Wine Bar | Vietnamese Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 19 | East Village | Thai Restaurant | Sushi Restaurant | Chinese Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Food Truck | Filipino Restaurant | Ramen Restaurant | Malay Restaurant |
| 20 | Lower East Side | Thai Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Filipino Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 22 | Little Italy | Thai Restaurant | Asian Restaurant | Vietnamese Restaurant | Sushi Restaurant | Malay Restaurant | Filipino Restaurant | Wine Bar | Ramen Restaurant | Japanese Restaurant | Indian Restaurant |
| 23 | Soho | Thai Restaurant | Asian Restaurant | Sushi Restaurant | Malay Restaurant | Wine Bar | Vietnamese Restaurant | Ramen Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck |
| 25 | Manhattan Valley | Thai Restaurant | Indian Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Food Truck |
| 31 | Noho | Thai Restaurant | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Filipino Restaurant | Chinese Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant |

Cluster 4

| | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
|----|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| 28 | Battery Park City | Thai Restaurant | Japanese Restaurant | Food Truck | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Indian Restaurant | Filipino Restaurant |
| 29 | Financial District | Thai Restaurant | Japanese Restaurant | Food Truck | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Indian Restaurant | Filipino Restaurant |

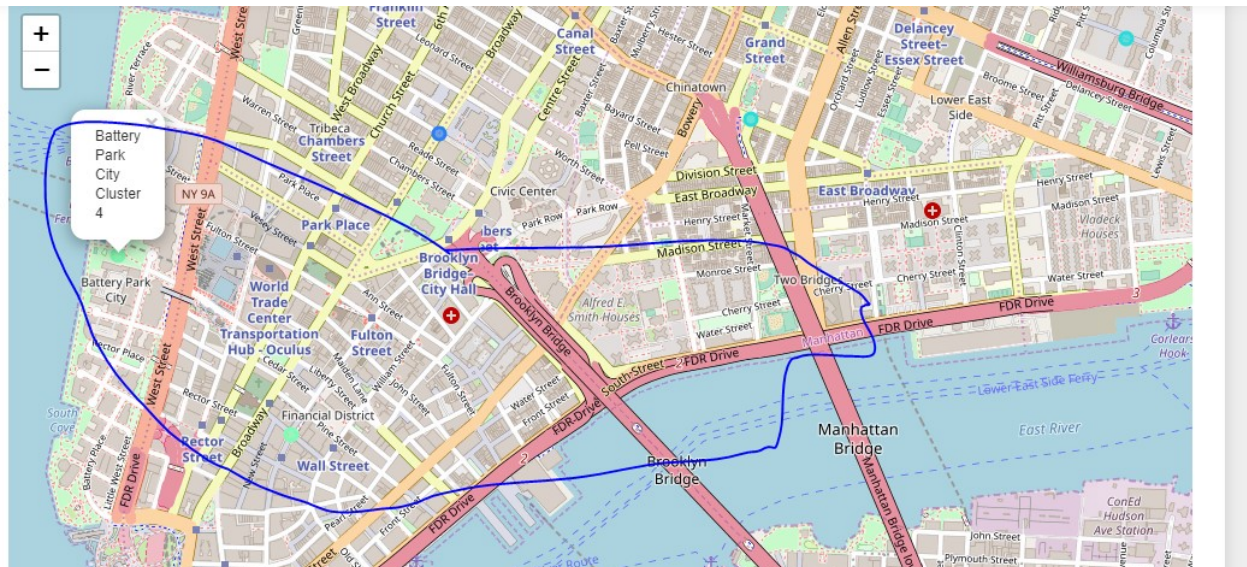
Cluster 5

| | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
|----|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| 0 | Marble Hill | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck | Filipino Restaurant |
| 2 | Washington Heights | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck | Filipino Restaurant |
| 3 | Inwood | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck | Filipino Restaurant |
| 4 | Hamilton Heights | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck | Filipino Restaurant |
| 5 | Manhattanville | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck | Filipino Restaurant |
| 6 | Central Harlem | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck | Filipino Restaurant |
| 7 | East Harlem | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck | Filipino Restaurant |
| 10 | Lenox Hill | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck | Filipino Restaurant |
| 11 | Roosevelt Island | Thai Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant | Food Truck | Filipino Restaurant |

Cluster 6

| | Neighborhood | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue | 6th Most Common Venue | 7th Most Common Venue | 8th Most Common Venue | 9th Most Common Venue | 10th Most Common Venue |
|----|--------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| 16 | Murray Hill | Thai Restaurant | Food Truck | Asian Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 34 | Sutton Place | Thai Restaurant | Food Truck | Chinese Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant | Indian Restaurant |
| 35 | Turtle Bay | Thai Restaurant | Food Truck | Asian Restaurant | Chinese Restaurant | Wine Bar | Vietnamese Restaurant | Sushi Restaurant | Ramen Restaurant | Malay Restaurant | Japanese Restaurant |

Based on data frame analysis above Cluster 4 (Battery Park City and Financial District) is the best places to open a new Thai Restaurant.



Discussion

In this section, I would be discussing the observations I have noted and the recommendation that I can make based on the results.

This analysis is performed on limited data. This may be right or may be wrong. But if good amount of data is available there is scope to come up with better results.

There is high competition in Midtown and Noho so it is very risky to open business in these areas.

It can be done more detailed analysis by adding other factors such as transportation, demographics of inhabitants.

Conclusion

Although all of the goals of this project were met but there is definitely room for further improvement and development as noted below. However, the goals of the project were met and, with some more work, could easily be developed into a complete application that could support the opening a business idea in an unknown location.

As per the neighborhood or restaurant type mentioned like Thai restaurants analysis can be checked. A venue with lowest risk and competition can be identified.