THE BATTLE OF NEIGHBORHOODS

Introduction:

For a place like New York City that prides itself on its culinary diversity, it's amazing to see how far the offerings have come in the last few years. There are many restaurants in New York City, each belonging to different categories like Chinese, Indian, and French etc.

New York has a long lineage of Chinese restaurants showcasing the culinary traditions of nearly every province in China, as well as the fusion fare created by immigrants in the United States. Whether you're looking to sample fiery Szechuan fare or experience a classic weekend dim sum brunch, the city has got you covered. From white-clothed Midtown restaurants to hole-in-the-wall Chinatown restaurants, find the best Chinese restaurant NYC has to offer.

Problem:

To find the answers to the following questions:
1. List and visualize all major parts of New York City that has great Chinese restaurants.
2. what is best location in New York City for Chinese Cuisine?
3. which areas have potential Chinese Restaurant Market?
4. which all areas lack Chinese Restaurants?
5. which is the best place to stay if you prefer Chinese Cuisine?

Data Section:

For this project we need the following data:
- New York City data that contains list Boroughs, Neighbourhoods along with their latitude and longitude.
    - Data source : https://cocl.us/new_york_dataset
    - Description: This data set contains the required information. And we will use this data set to explore various neighbourhoods of New York City

- Chinese restaurants in each neighbourhood of New York City.
    - Data source : Foursquare API
    - Description: By using this API we will get all the venues in each neighbourhood. We can filter these venues to get only Chinese restaurants.

- GeoSpace data
    - Data source : https://data.cityofnewyork.us/City-Government/Borough-Boundaries/tqmj-j8zm
    - Description: By using this geo space data we will get the New York Borough boundaries that will help us visualize choropleth map.