



# **CAPSTONE PROJECT**

## **THE BATTLE OF NEIGHBORHOODS (WEEK 2)**

**Explores the best locations for Chinese  
restaurants throughout the city of New York**

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# CHINESE RESTAURANTS

- There are more than 22,000 Chinese restaurants
- Distributed over the five boroughs
- Chinese immigrants in New York City were of "sailors and peddlers" in the 1830s.
- The New York metropolitan area is home to the largest ethnic Chinese population outside of Asia.





# NEW YORK CITY'S DEMOGRAPHICS

- The Chinese American population of the New York City metropolitan area was an estimated 923,675 as of 2019
- There are many restaurants in New York City, each belonging to different categories like Chinese, Indian, French, Vietnamese, Italian etc.
- Visualize all major parts of New York City that has great Chinese restaurants.





# PROBLEM STATEMENT

- What is the best location for Chinese food in New York City?
- Which areas have potential to create a new Chinese restaurant?
- Which is the best place to stay if I want to enjoy Chinese cuisine?

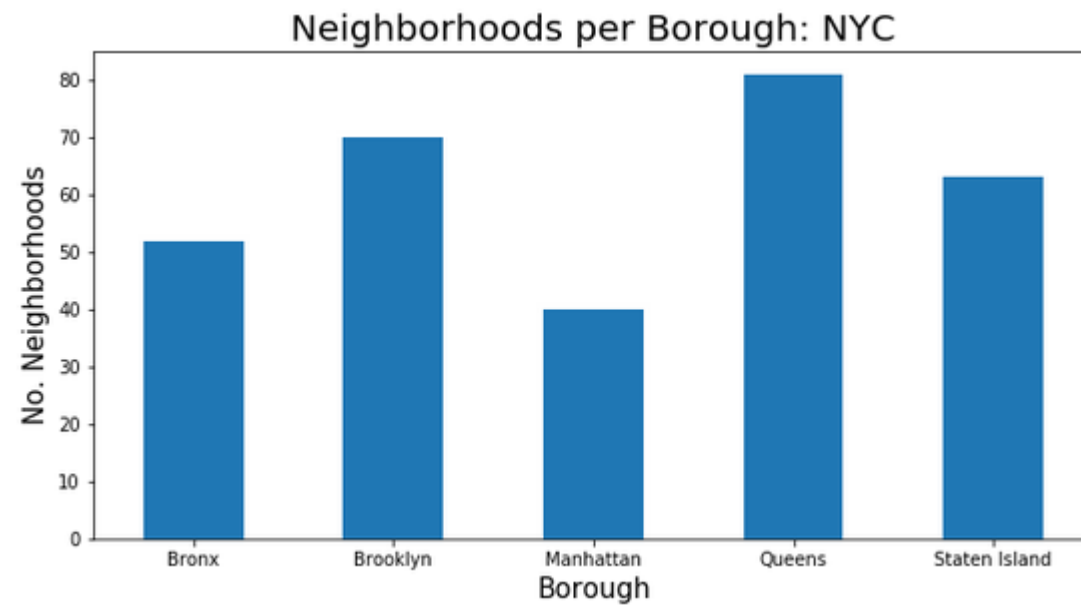
# DATA AND METHOD

- New York City data that contains list Boroughs, Neighborhoods along with their latitude and longitude.
- Foursquare API.
- Data source :  
[https://cocl.us/new\\_york\\_dataset](https://cocl.us/new_york_dataset)

|   | 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 |

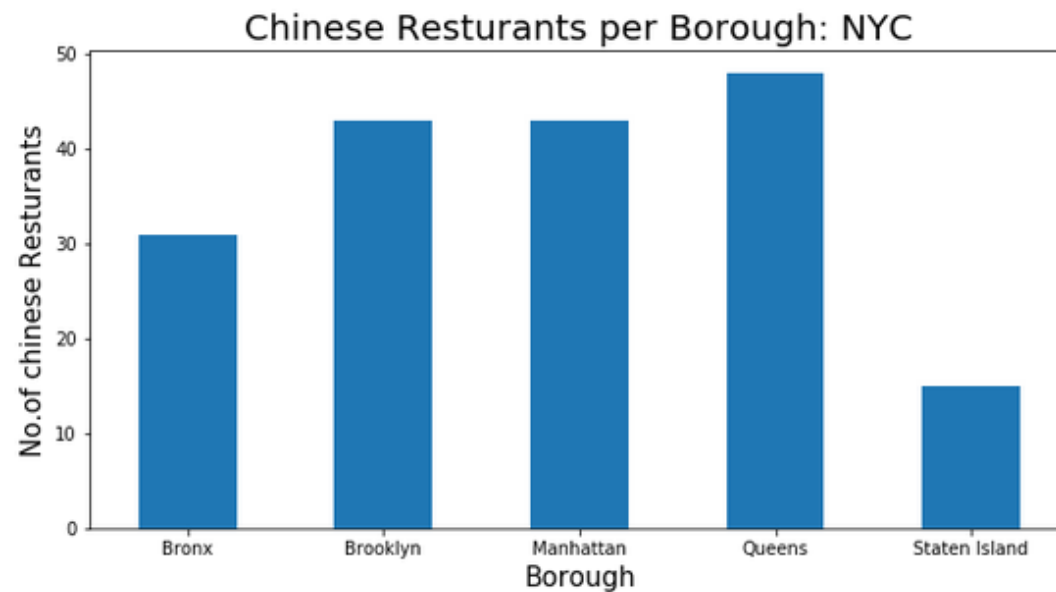
# RESULTS

Queens has highest number of neighborhoods and Manhattan with least neighborhoods



# RESULTS

The neighborhood of Queens has the highest number of Chinese restaurants per Neighborhood in all of NYC and the borough of Staten Island is the lowest.



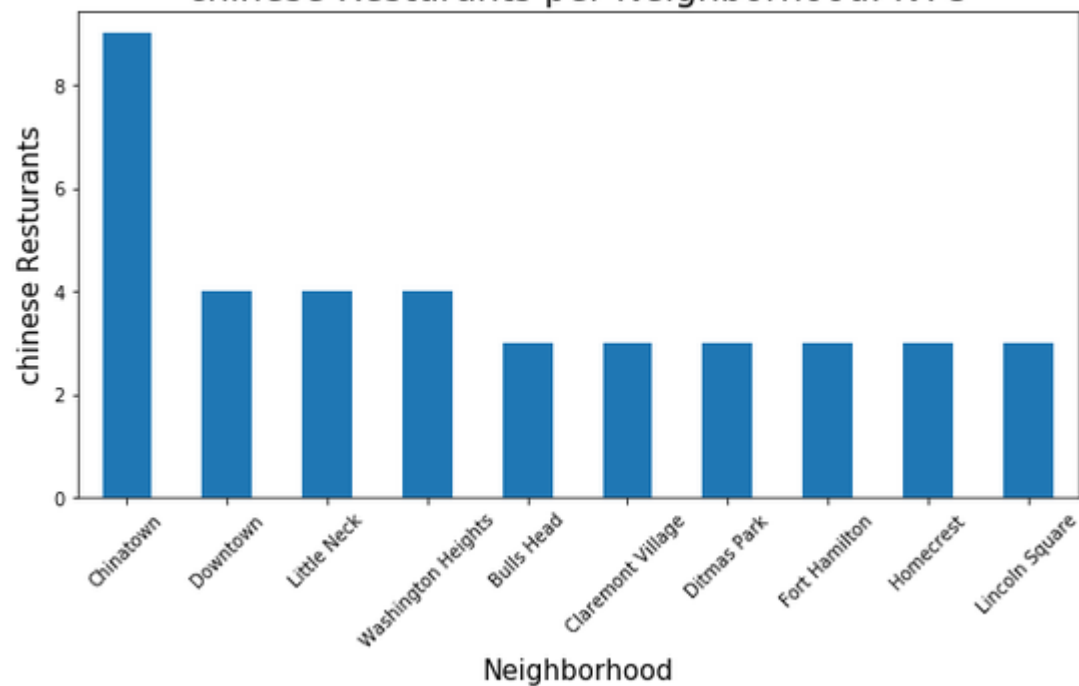


# RESULTS

China town has the highest number of restaurants per Borough



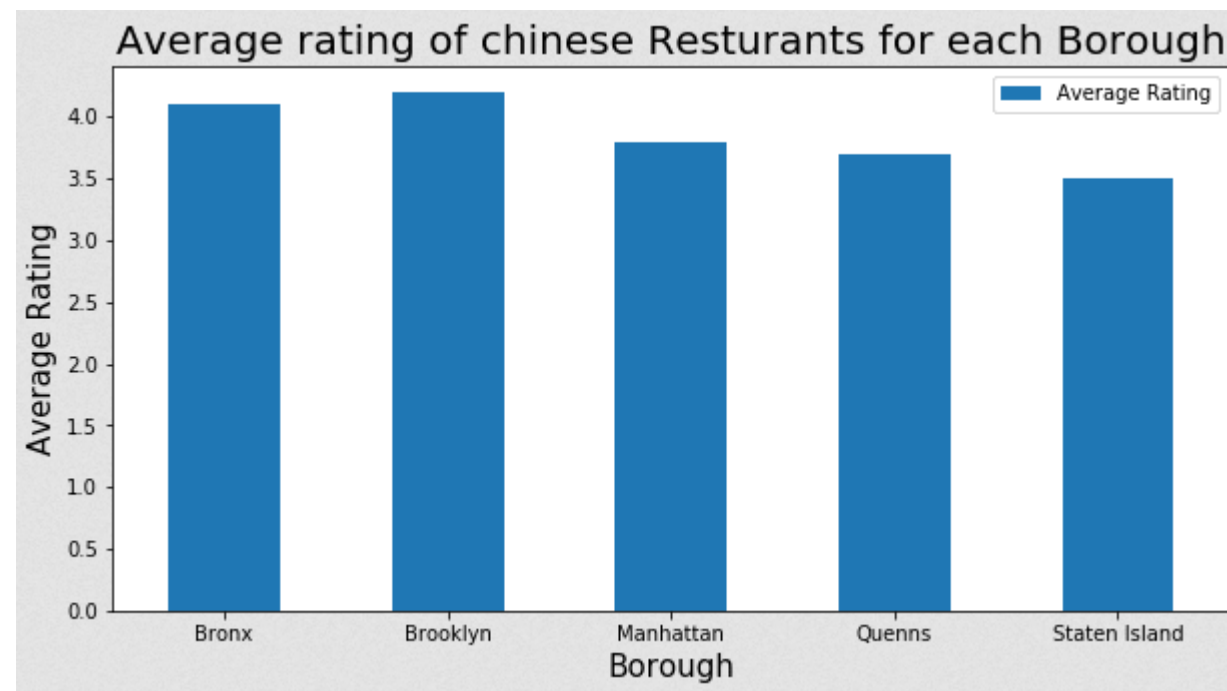
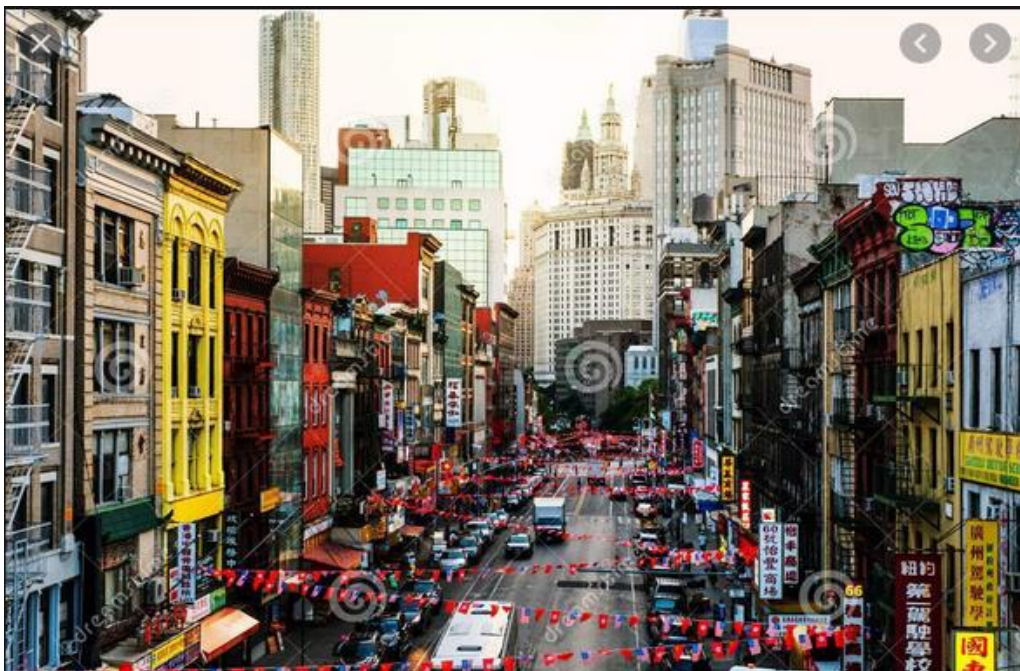
chinese Resturants per Neighborhood: NYC





# RESULTS

Average rating of Chinese Restaurants  
for each Borough.





MAP





## CONCLUSION

Queens, Brooklyn, and Staten Island have the best rated Chinese restaurants. Also, the Bronx is the neighborhood in all of NYC with the most Chinese Restaurants. Despite Manhattan having the least number of neighborhoods in all five boroughs, it has the most Chinese restaurants.