

# Introduction

New York City (NYC) is a booming metropolis with vibrant energy and endless diversity. The population of NYC in 2018 was 8.39 million, and the number of Chinese people living in the city was 893,000, meaning over ten percent of the population was Chinese or Chinese American. This diversity (and competition) allows its residents to develop some of the most pristine dishes that people have ever tasted.

From recent censuses, approximately 36 percent of the population of NYC is 36 percent, and most live in ethnic enclaves located outside the main borough of Manhattan, which houses a large proportion of NYC residents. Some immigrants who have recently migrated from their homes, whether it be from children who have grown up in LA's Chinatown or the country China, will often find themselves culturally disconnected and long for something that reminds them of home. Oftentimes, people who are homesick will find comfort and solace in their indigenous food, as well as discover a community at places where people like them gather.

For this project, we found the best location in New York City for the most Chinese Restaurants, so that new immigrants, both domestically and abroad, will be able to settle into and integrate into their new homes with more support.

Questions to answer:

- 1) What major parts of New York City have the most Chinese Restaurants?
- 2) What parts of New York City have the least?
- 3) Where should new migrants look to move when moving to NYC?

## Data

The data we used includes:

- 1) Latitude and Longitude of Boroughs and Neighborhoods in New York City

This was obtained from NYC data lists containing Boroughs, Neighborhoods and corresponding latitudes and longitudes: [https://cocl.us/new\\_york\\_dataset](https://cocl.us/new_york_dataset). This data was used to explore the various neighborhoods of New York City.

- 2) Chinese Restaurants in each of these

This will be determined using Foursquare API to obtain all the relevant venues in each neighborhood, after which we can filter to find Chinese restaurants.

## Methodology:

- 1) Collect NYC city data from [https://cocl.us/new\\_york\\_dataset](https://cocl.us/new_york_dataset)
- 2) Find neighborhood venues via FourSquare
- 3) Filter Chinese Restaurants
- 4) Visualize data

We begin by collecting NYC data from the available online dataset:

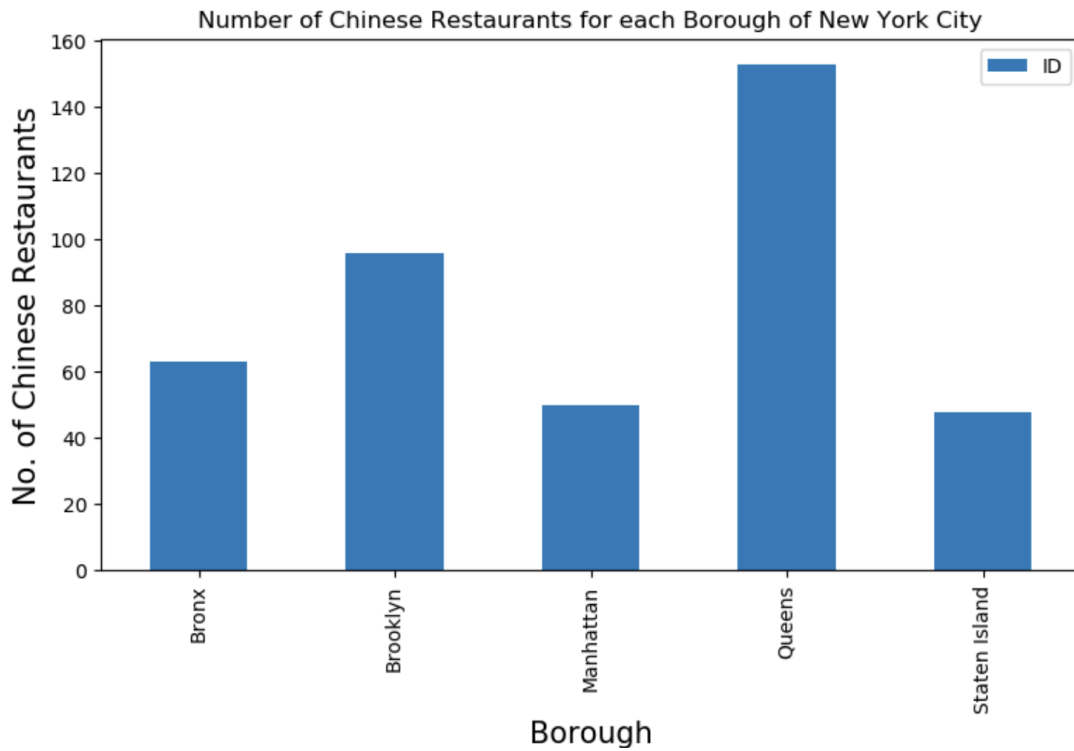
27 ]:

	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

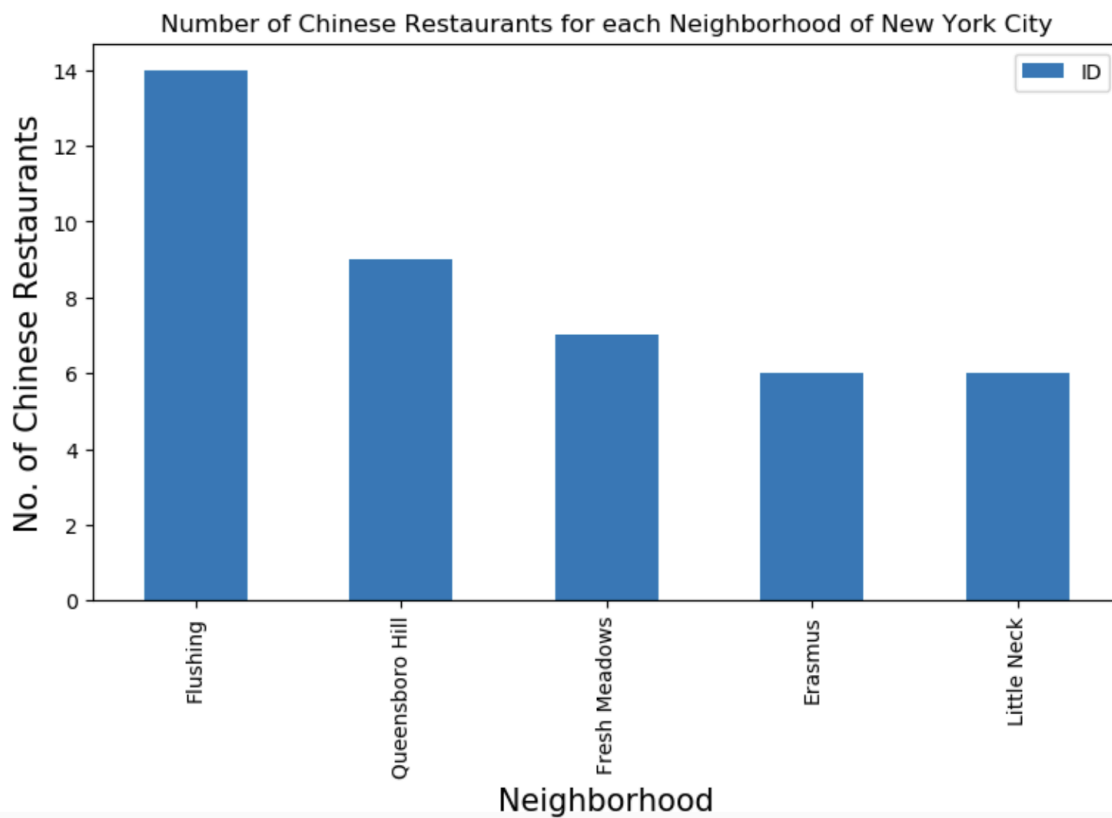
Next we use Foursquare API to find venues, namely the Chinese Restaurants, and their corresponding Boroughs and Neighborhoods.

	Borough	Neighborhood	ID	Name
0	Bronx	Wakefield	4edbac4e775bcc53fc0ed5f8	Hong Kong China King
1	Bronx	Co-op City	4c9d5f2654c8a1cd2e71834b	Guang Hui Chinese Restaurant
2	Bronx	Co-op City	4c66dcfaaebea593955a74d0	Chinese Buffet
3	Bronx	Eastchester	4dabc3dc93a04642f09ccabd	Xing Lung Chinese Restaurant
4	Bronx	Eastchester	4e4df7aabd4101d0d79f4760	Best Chinese Restaurant
(410, 4)				

Then we organize our data and visualize it according to number of Chinese Restaurants per Borough.



We do the same for corresponding Neighborhoods:



Finally, we see a list of each restaurant name for the Neighborhood with the most Chinese Restaurants, Flushing in Queens.

14 rows

	Borough	Neighborhood	ID	Name
183	Queens	Flushing	5747a89b498ee4b7a5106556	DunHuang Lanzhou Beef Noodle
184	Queens	Flushing	52235ea211d2fe55782d764c	Dong Yi Feng
185	Queens	Flushing	4ad50f59f964a520950121e3	Fu Run 賦潤東北美食
186	Queens	Flushing	4c78756397028cfaec16d8fe	New Golden Szechuan Chinese Restaurant
187	Queens	Flushing	4fa3f81be4b0a34ac673bf1e	Taipei Hong 台北夯
188	Queens	Flushing	4abfef82f964a520179320e3	New Imperial Palace 東湖
189	Queens	Flushing	4faff7eae4b03b8055801cde	Xi'an Famous Foods
190	Queens	Flushing	4d1bcdde1356224bc6410abe	OK Ryan
191	Queens	Flushing	4ac38216f964a520929b20e3	Golden Shopping Mall
192	Queens	Flushing	4ef37491d3e32dc398c7c5c7	Laoma Mala Tang
193	Queens	Flushing	4a1845c8f964a52092791fe3	Asian Jewels Seafood Restaurant 敦城海鮮酒家
194	Queens	Flushing	5990ab0a826444188d18dabc	Szechuan House
195	Queens	Flushing	4e026cd7fa76007240170736	Lan Zhou Hand Made Noodle
196	Queens	Flushing	59bb19becbf7a6bb69bf937	Guan Fu Szechuan 官府川菜

**Flushing in Queens has the highest number of Chinese Restaurants at a count of 14**

## Results1

Answers:

From our analysis, we find that Flushing is the NYC neighborhood with the most Chinese restaurants. Queens is the borough with the most Chinese Restaurants.

Staten Island is the borough with the least Chinese Restaurants.

## Discussion

Since Flushing has the highest density of Chinese Restaurants, it subsequently most likely has one of the largest supporting Asian American communities in the vicinity.

If new migrants to the city don't want or can't find housing in that particular neighborhood, then the borough with the most Chinese restaurants is Queens, a large area in which they are sure to find some housing. The 2nd, 3rd, 4th and 5th neighborhoods best for Chinese

food are Queensboro Hill, Fresh Meadows, Erasmus and Little Neck, respectively, also located in Queens.

Manhattan, surprisingly, is the second smallest borough when it comes to Chinese restaurants, and may not be suitable for people just moving into the city, looking to connect with Chinese Culture. From the data, it seems Brooklyn might be more supportive of these types of individuals.

## **Conclusion:**

The above data and results provide information regarding where the best neighborhoods and parts of New York City are located for those coming from a Chinese background and looking to move into the city. It also details the parts that might be least desirable. The solution provided could be improved in future analysis by also analyzing the areas with the highest number of storefronts with Chinese names.