**Coursera Capstone**

**Find Best Japanese restaurant in New York**

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**2021.09.15**

**Introduction.**

**New York city is the one of bigest cities in the world, there living about 8.8mln people. There are a lot of restaurant with diferent tastes and sometimes its dificult to choose restaurant so today we will specialize into where is the best japanese restaurants in New york city and where investors can open brand new japanese restaurant in New York city**

**Data.**

**In order to answer the above questions, data on New York City neighborhoods, boroughs to include boundaries, latitude, longitude, restaurants, and restaurant ratings and tips are required.**

**New York City data containing the neighborhoods and boroughs, latitudes, and longitudes will be obtained from the data source:** [**https://cocl.us/new\_york\_dataset**](https://cocl.us/new_york_dataset)

**All data related to locations and quality of Italian restaurants will be obtained via the FourSquare API utilized via the Request library in Python.**

**Methodology.**

**• Data will be collected from** [**https://cocl.us/new\_york\_dataset**](https://cocl.us/new_york_dataset) **and cleaned and processed into a dataframe.**

**• FourSquare be used to locate all venues and then filtered by Japanese restaurants. Ratings, tips, and likes by users will be counted and added to the dataframe.**

**• Data will be sorted based on rankings.**

**• Finally, the data be will be visually assessed using graphing from Python libraries.**

**Problem Statement.**

**What is the best locations for Japanese restaurant in New York City? In what Neighborhood or borough should the investor open a Japanese restaurant to have the best chance of being successful? Where would I go in New York City to have the best Japanese food?**

**Results.**

**The result of our analysis i showed below.**

**1. Queens have highest number of neighborhoods.**



2. **We see that Manhattan have bigest number of Japanese restaurants**



3. **The Murray Hill in Manhattan have bigest number of restaurants. There are 5 restaurants.**



**4. By the avarage rating we see that best location for the restaurant are East Village witch rating is 9.3 and he is in Manhattan.**





**Discussion section.**

**As we se in our analysis the best location for the Japanese restaurant in New York is Manhattan and Brooklyn. If i can recomend where to open Japananese restaurant i would prefer neighborhoods in East Village and Cobble Hill because they have highest rating.**

**Results / Conclusion.**

**Manhattan and Brooklyn have the best rated Japanese restaurants on average. Murray Hill in Manhattan has the highest number of Japanese Restaurants in all of NY. Despite Manhattan having the least number of neighborhoods in all five boroughs, it has the most number of Japanese restaurants. Based on the above information, I would state that Manhattan and Brooklyn are the best locations for Japanese cuisine in NYC. To have the best shot of success, I would open a Japanese restaurant in Brooklyn. Finally, I would go to Izakaya MEW in Manhattan for the best Japanese food based on 1056 likes. As a final note, all of the above analysis is depended on the accuracy of Four Square data. A more comprehensive analysis and future work would need to incorporate data from other external databases.**