Business Problem section¶

Background

This project researches the optimization of Chinese restaurants in New York. Different branches of Chinese food have arrived in the U.S more than 150 years old firstly with the railway workers and early migrations, it has been popular ever since.

Data

The project extracts aforementioned N.Y.C neighborhoods data containing their Geolocations from https://cocl.us/new_york_dataset for its accessbility. N.Y.C neighborhood boundaries aquires from the data source, which is a pre-made json file: https://gist.github.com/benjycook/b6ec3c7b5cf05f10ccdb11e3c3497d10 Other relavent data comes from FourSquare API and Libraries in Python.

Methodology

- The project collects from https://cocl.us/new_york_dataset then processes into a dataframe.

- The project suppliments its dataframe by using FourSquare, within its call limits, to locate and filter venues and its rating, tips and likes generated from users.

- Data will be sorted based on rankings

- Finally, the project visuliazes the sorted data.

Objectives

- What is the best upcoming location for a Chinese restaurant in NYC?
- Amongst different options, which Neighborhood will optimaze the chance to have a successful restaurant?