**Battle of the Neighborhoods**

**Italian Restaurants**

**problem and a discussion of the background**

Everyone has to eat and some people like to choose some kind of food based on culture and taste.

Many restaurant owners like to open other branches of their brands and will ask themselves.

Where should I open the restaurant? What is the best place to open it?

So we will try to find the best place to open an Italian restaurant in New York City. To help people decide where they would like to open a restaurant to get the best chance to success and increase their profit.

**data and how it will be used to solve the problem**

In order to answer the above questions, data on New York City neighborhoods, boroughs to include boundaries, latitude, longitude, restaurants 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>
* 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> and cleaned and processed into a Data Frame.
* FourSquare be used to locate all venues and then filtered by Italian restaurants. Ratings, tips, and likes by users will be counted and added to the Data Frame.
* Finally, the data be will be visually assessed using graphing from various Python libraries.
* Find the conclusion and answer the problem questions.