Capstone Project -The Battle of Neighborhoods

**Introduction**

New York City is the most populated city in the United States with a population of 17,990,455. The city is divided into five boroughs, Manhattan, Brooklyn, the Bronx, Queens, and Staten Island. The city’s physical setting is a complex assortment of lands and islands.

Being a multi-cultural city, New York comprises a diverse range of restaurants, each belonging to various categories like French, Indian, Chinese and Italian. New York is the hub of interactions between ethnicities and brings many opportunities for entrepreneurs to start or grow their business. The objective of this project is to use Foursquare location data to determine what might be the suitable neighborhood in New York to open an Italian restaurant.

# Data

To complete this project, the following data will be needed:

* List of Boroughs & Neighborhoods in New York City with coordinates, latitude & longitude: <https://cocl.us/new_york_dataset>
* Italian restaurants in each neighborhood of the New York City: Foursquare API.
* GeoSpace data to get the New York Borough boundaries: <https://data.cityofnewyork.us/City-Government/Borough-Boundaries/tqmj-j8zm>