Data

To solve the problem, we will use the following data:

- List of neighborhoods in New York City

- Latitude and longitude coordinates of those neighborhoods for plotting

- Venue data, particularly data related to "pizza places" and "Italian restaurants" from foursquare.com

Data sources

From (1) we get the list of all neighborhoods in New York City, counting 306. It also contains the information about latitude and longitude of these neighborhoods stored in a JSON file. Afterwards, we will use the Foursquare API to get the venue data for those neighborhoods. Foursquare API will provide many categories of the venue data, we are particularly interested in the "pizza place" and "Italian restaurant" category in order to help us solving the business problem. This will help drawing conclusions where to open the place to sell pizza since we will be looking at a place with low density of pizza selling places.

References:

(1) https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/ IBMDeveloperSkills Network-DS0701EN-SkillsNetwork/labs/newyork_data.json