Steakhouse Analysis: New York vs. Chicago

Background:

New York, NY and Chicago, IL are often viewed as the most powerful cities in the United States, with numerous businesses headquartered in each. In these cities, fine dining and sight-seeing are part of the culture that contribute to their prestige and perpetuation of business. In this analysis, I decided to leverage the Foursquare API to analyze the number of steakhouses in proximity to IBM's locations in each city and determine if the cities are similar or not in this respect.

Data:

The data used in this project was extracted directly from the Foursquare API using a "steakhouse" keyword in the query. Using IBM's New York and Chicago addresses, I created a dataset of steakhouses within a thousand meters of these two locations.

I then cleaned the dataset to keep only the columns that included the name of the venue and any other features that were associated with location. The table below depicts the cleaned dataset that was used for the analysis of steakhouses around IBM New York. The same data collection method was used for IBM Chicago.

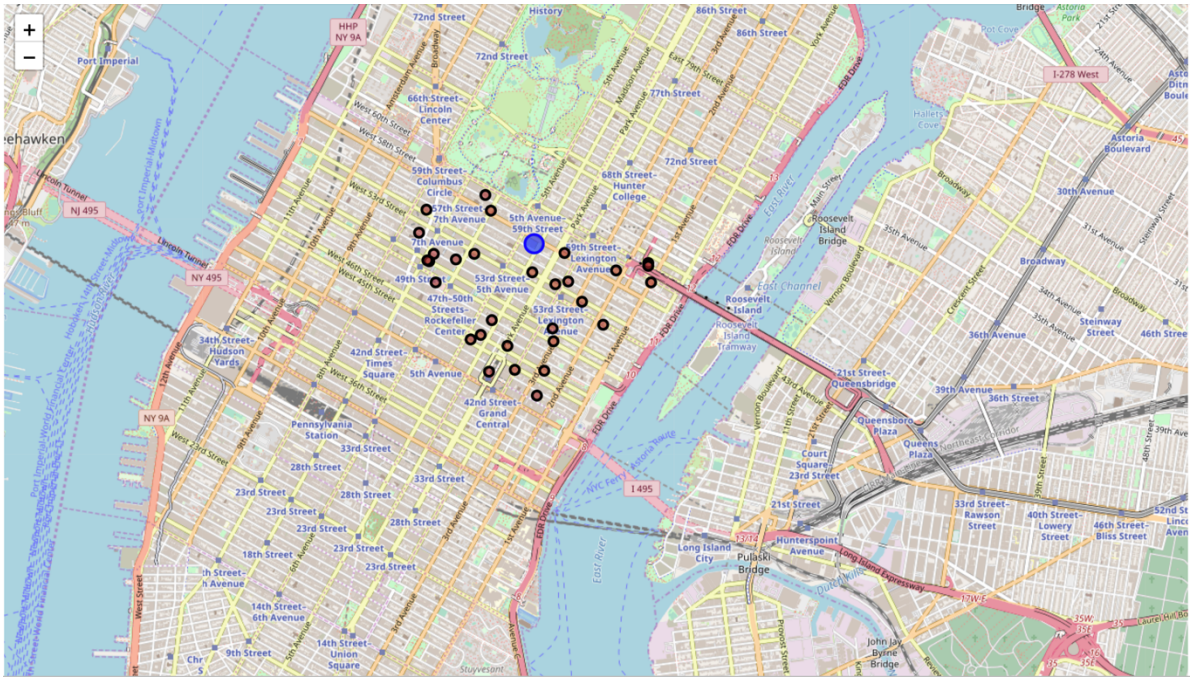
Method

My aim was to give a better understanding of the number of steakhouses in proximity to a standardized business in each city and use this analysis to assist business professionals who may be interested in taking clients or colleagues to a nice restaurant. I loaded the geographical data from Foursquare and transferred it to a Pandas dataframe for each city. Using the Folium library, I created a map of the city and superimposed the locations on it.

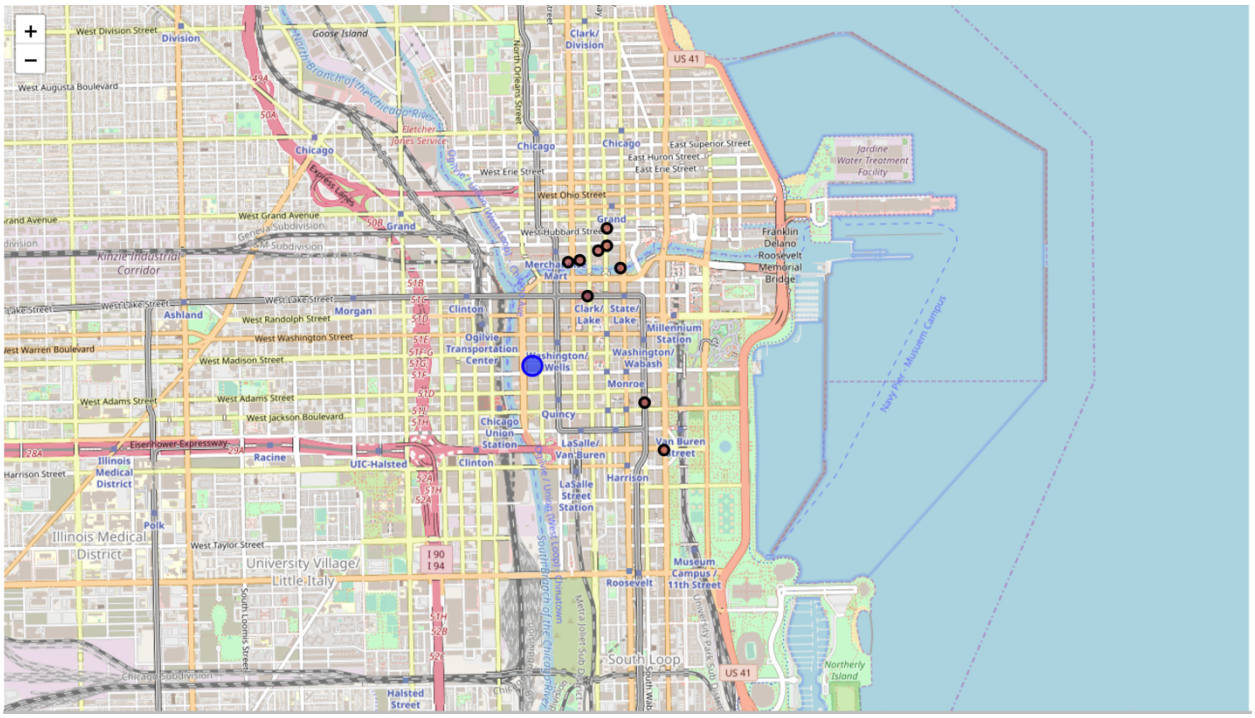
Results

Geographical Information:

New York



Chicago



Conclusion:

In this analysis we determined the similarity of New York, New York and Chicago, IL in respect to the proximity of steakhouses to IBM's office locations. This analysis has provided us with an accurate picture of the locations of these restaurants and allowed us to view each city in relation to one another.