



Current common restaurants in New York



Goal of this investigation

1. Find the top 5 most common types of restaurants
2. Group the neighborhoods into clusters based on the top 10 most common restaurants

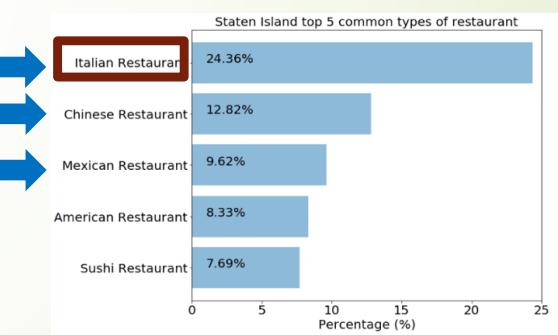
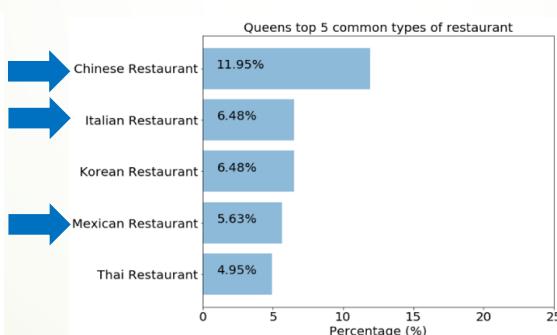
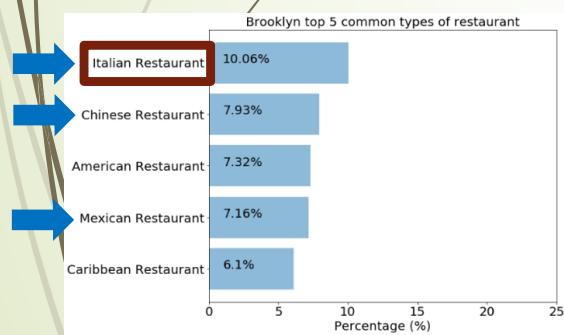
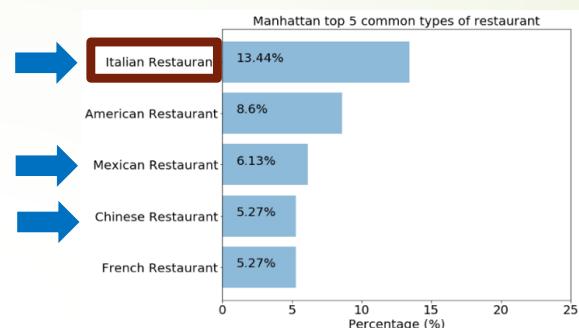
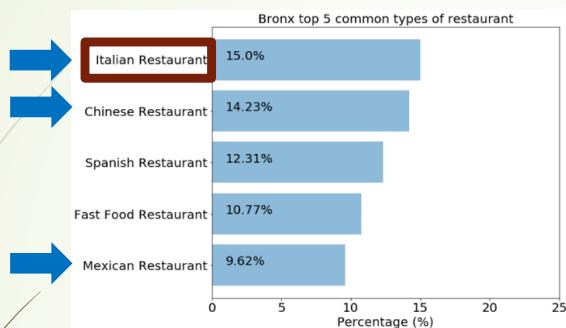


Data

1. The dataset includes the name and coordinates (latitude and longitude) of the 5 boroughs and 306 neighborhoods of New York (https://geo.nyu.edu/catalog/nyu_2451_34572)
2. Name, coordinates, and category of the venues in New York (<https://foursquare.com>)

Result

Top 5 most common restaurant type

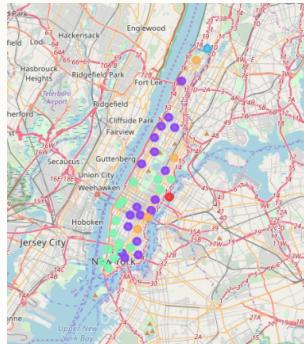


Result

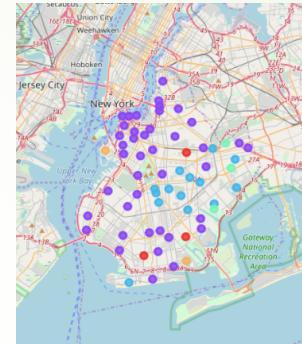
Clusters of neighborhoods



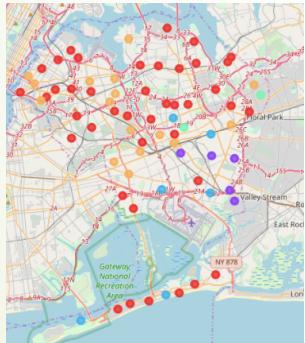
Bronx



Manhattan



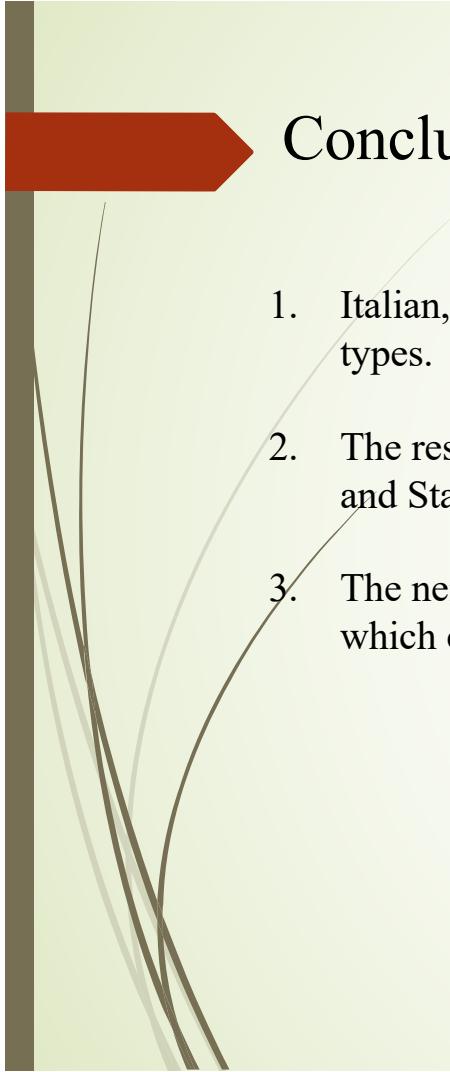
Brooklyn



Queens



Stated Island



Conclusion

1. Italian, Chinese and Mexican restaurants exist in all boroughs as the top 5 most common types.
2. The restaurants in the Manhattan, Brooklyn, and Queens have more diversity than Bronx and Staten Island.
3. The neighborhoods are grouped into 5 clusters based on the most common restaurant types, which can help determining the location of new restaurant.