

MAPPING THE HOTELS IN NEW YORK CITY

COURSERA FINAL PROJECT - IBM DATA SCIENCE

OBJECTIVES

Have an overview of the existing hotels in New York City

- How many hotels exists in the city of New York?
- Where are located these hotels?
- What is the repartition through the different boroughs (Manhattan, The Bronx, Queens, Brooklyn and Staten Island)?

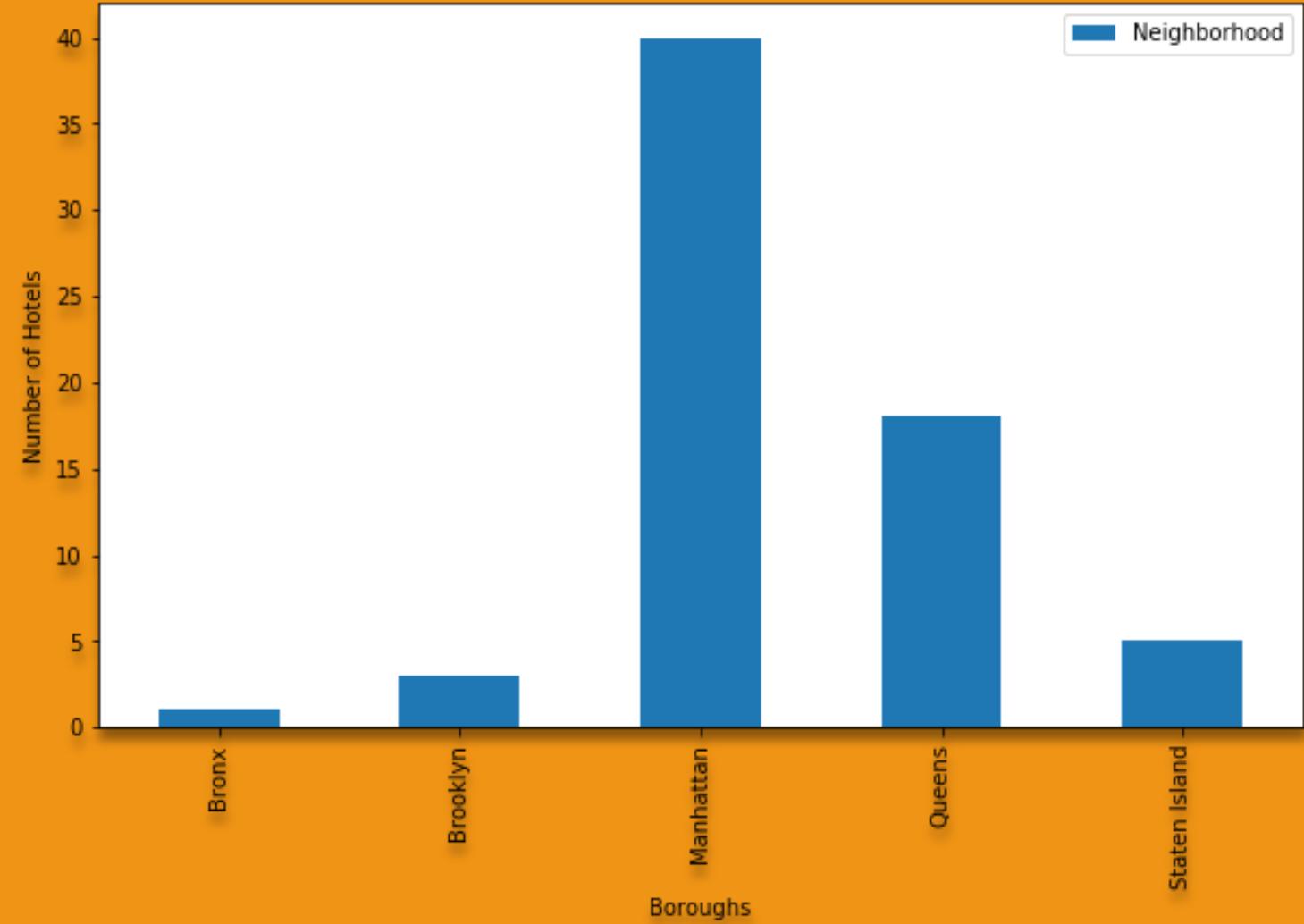
DATA

- SOURCE PROVIDER OF THE BOROUGHS AND COORDINATES
 - COURSERA: https://cocl.us/new_york_dataset (JSON FILE)
- SOURCE PROVIDER OF THE VENUES AND COORDINATES
 - FOURSQUARE API: <https://foursquare.com/>

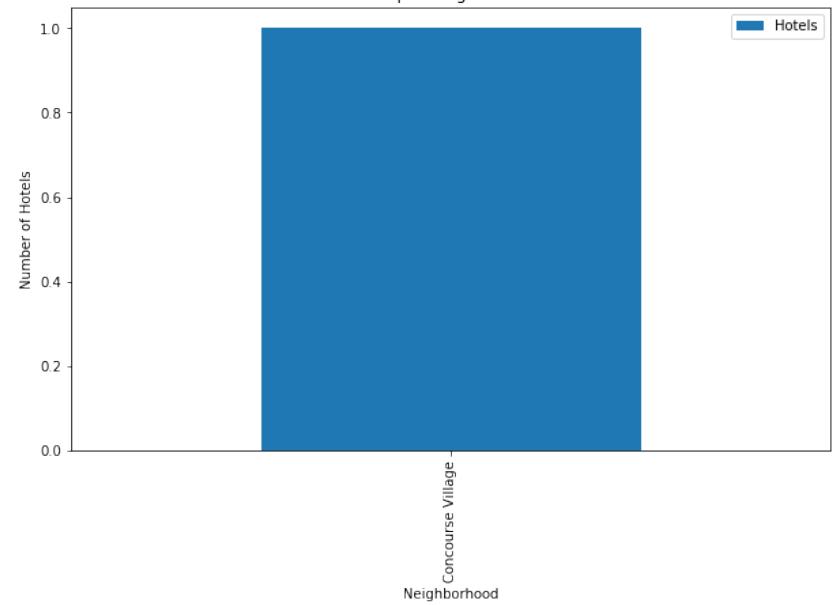
HOTELS PER BOROUGH

BOROUGHS	HOTELS
The Bronx	1
Manhattan	40
Brooklyn	3
Queens	18
Staten Island	5

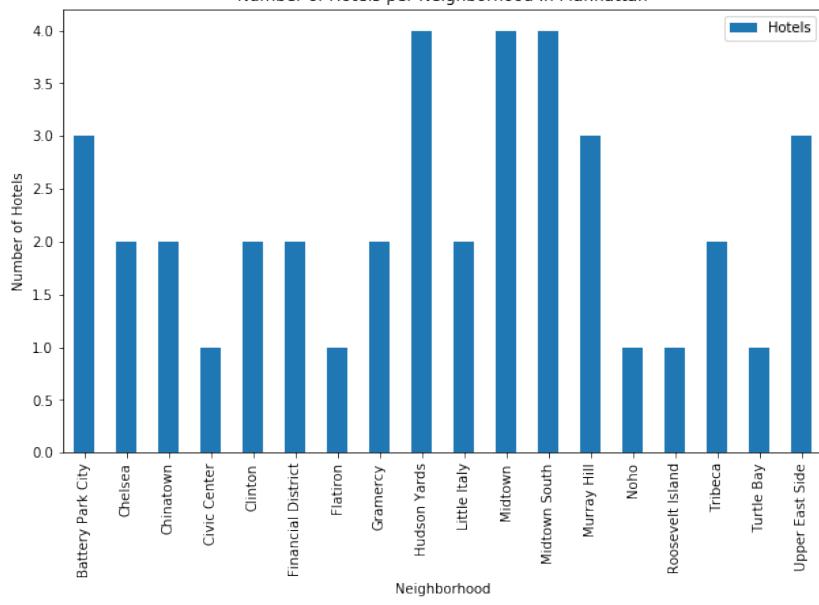
HOTELS PER BOROUGH



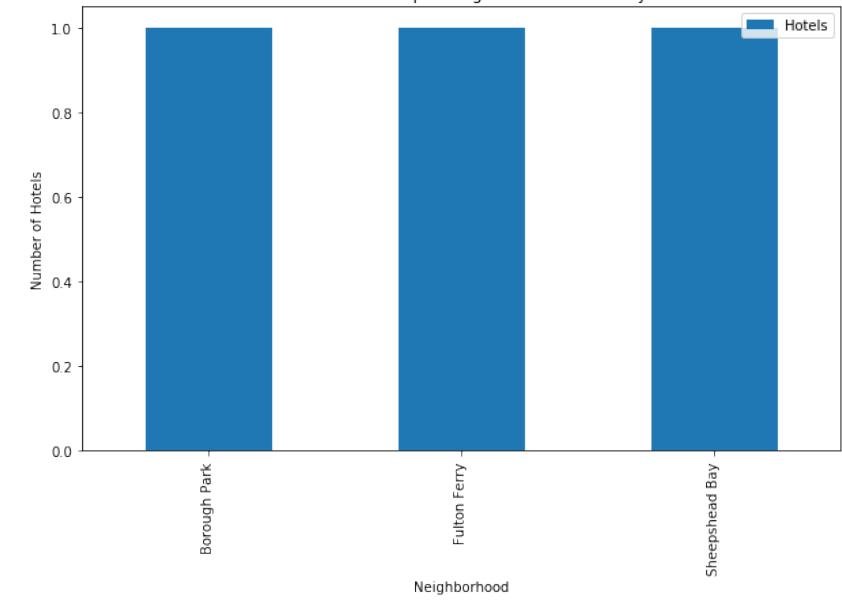
Number of Hotels per Neighborhood in The Bronx



Number of Hotels per Neighborhood in Manhattan



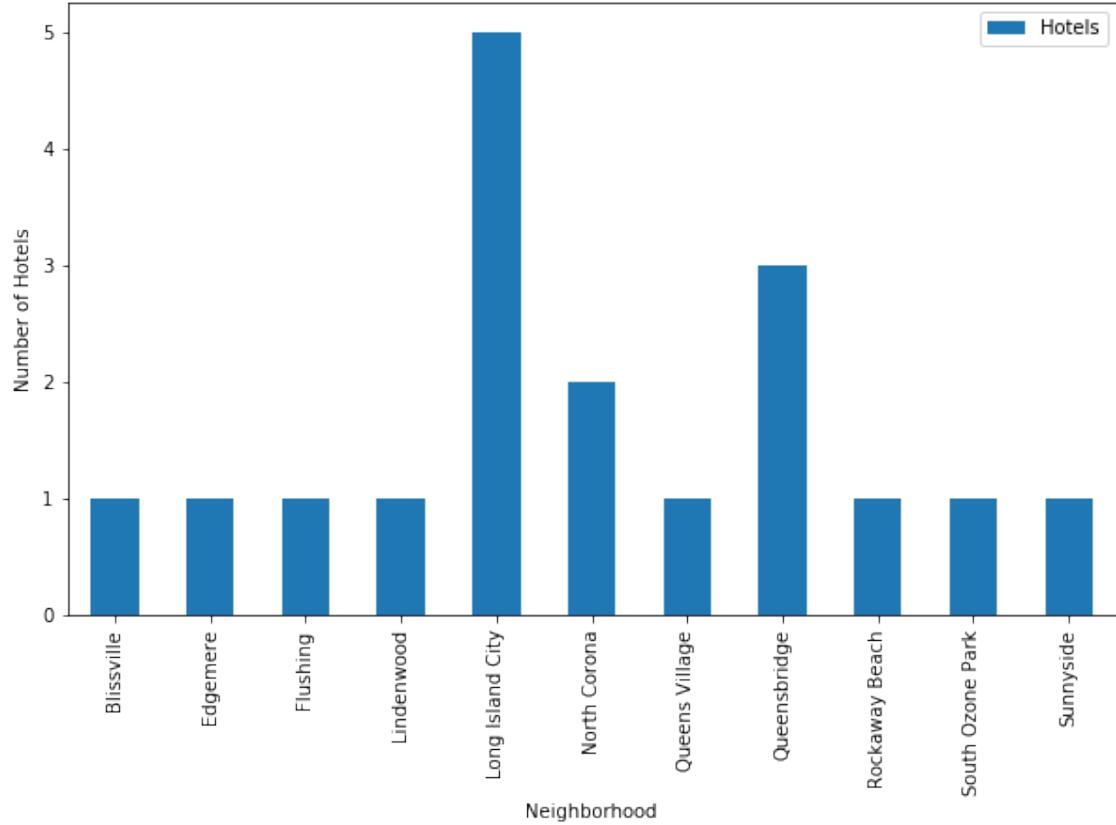
Number of Hotels per Neighborhood in Brooklyn



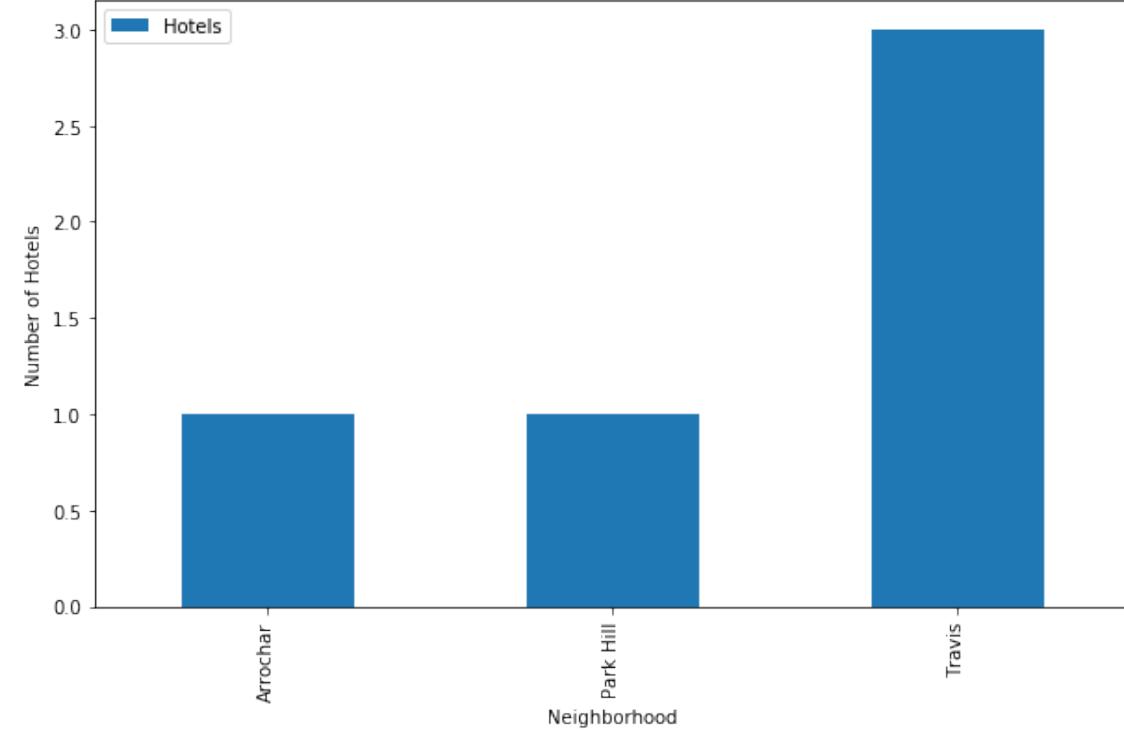
HOTELS PER NEIGHBORHOOD

(The Bronx, Manhattan and Brooklyn)

Number of Hotels per Neighborhood in Queens



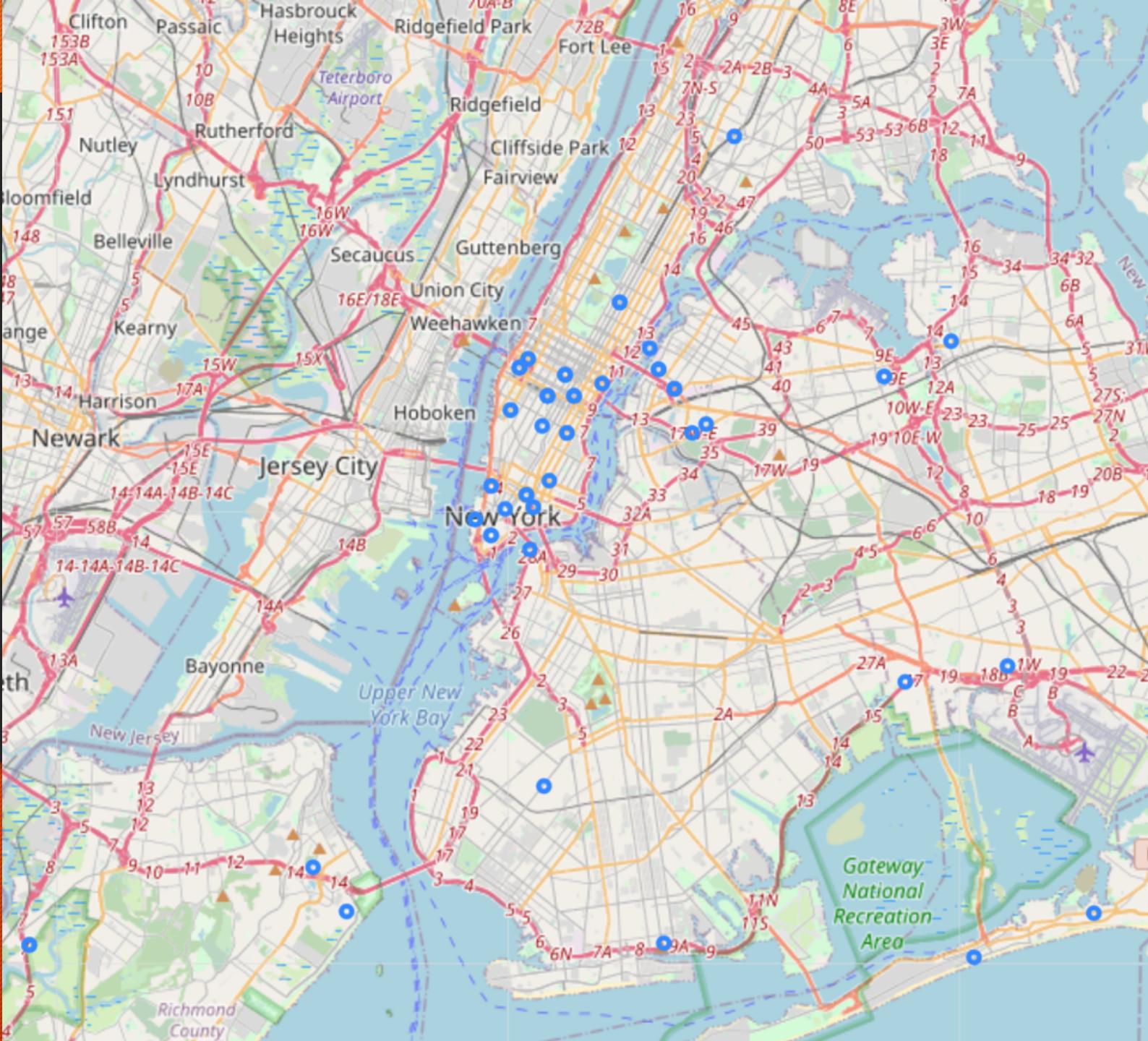
Number of Hotels per Neighborhood in Staten Island



HOTELS PER NEIGHBORHOOD

(Queens and Staten Island)

GEOGRAPHICAL REPARTITION OF THE HOTELS



CONCLUSIONS

- Most of the hotels are located in Manhattan which seems to be the most centric part.
- An investment in boroughs that are not Manhattan or Queens are maybe riskier as they are not hotel areas