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# Manhattan vs. Paris

# Relationship between Paris and Manhattan

- Generally, the main attraction of a city are their venues and point of interests.
- People will visit a place, open a restaurant, study, the more attractive the city is.
- Manhattan and Paris are places which are similar in a lot more ways than their culture is.
- The differences between the two are about:
  - Quality of life
  - The way the people view their relationship to both others and the world.

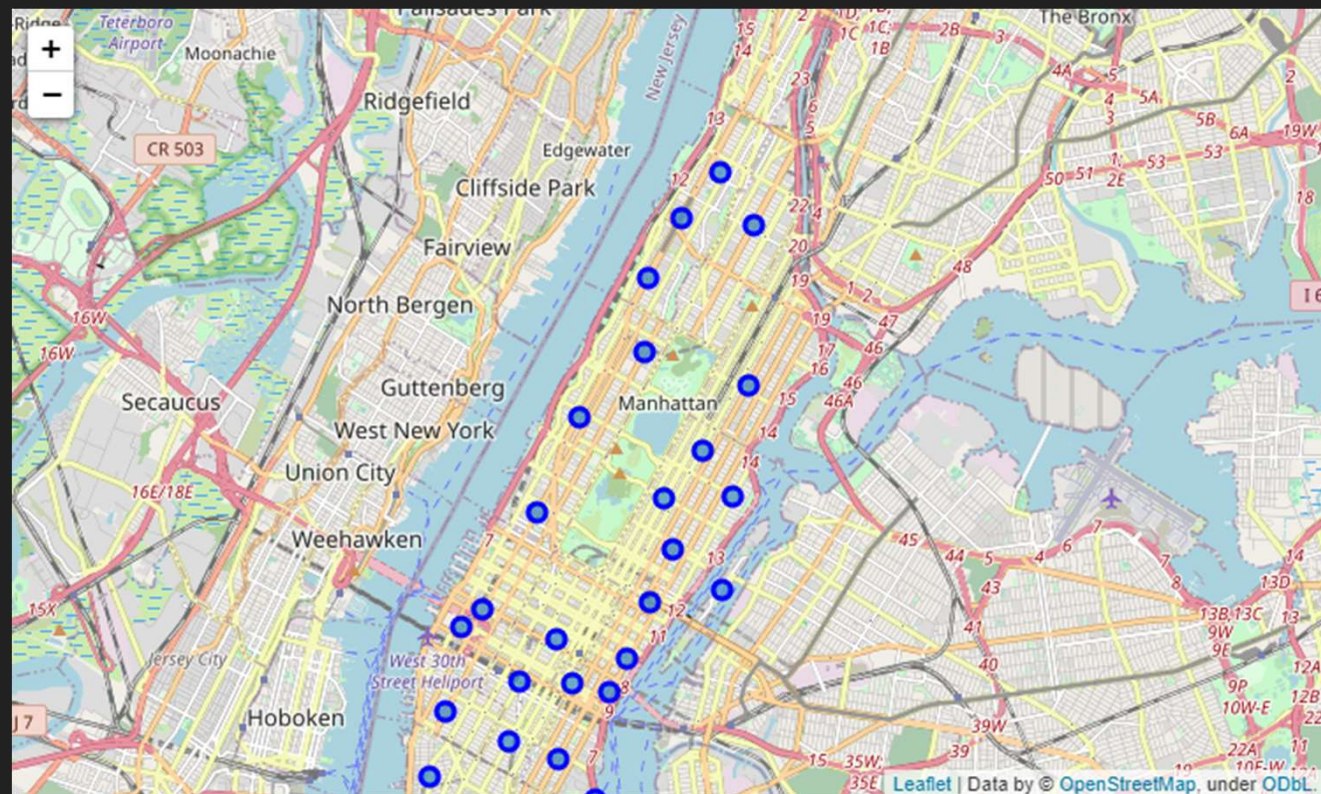
# Data acquisition and cleaning

- New York data set obtained from Coursera's json file
- Paris data set scrapped from Wikipedia's [Arrondissements of Paris](#)
- Venues for both Paris and Manhattan obtained from Foursquare's API explore endpoint
- Geographical location was obtained form the Geopy Library
- Irrelevant features as well as erroneous geographical information was dropped
- Accurate information was added to get accurate insights



# Manhattan Neighborhoods

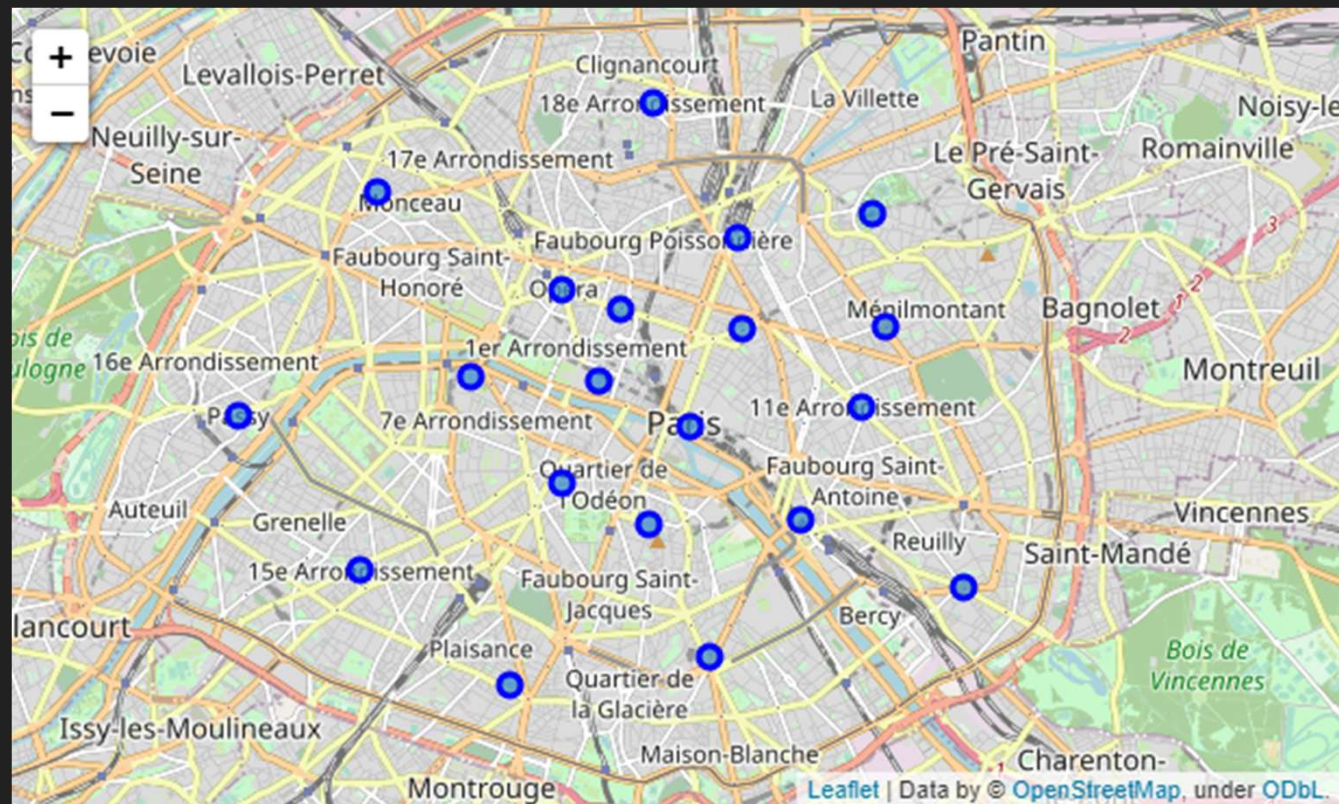
- Manhattan has 40 neighborhoods.
- Each neighborhood has different type of venue depending the location





# Paris Arrondissements

- Paris is divided into 20 arrondissements.
- Each arrondissement has a variety of venues depending on the location

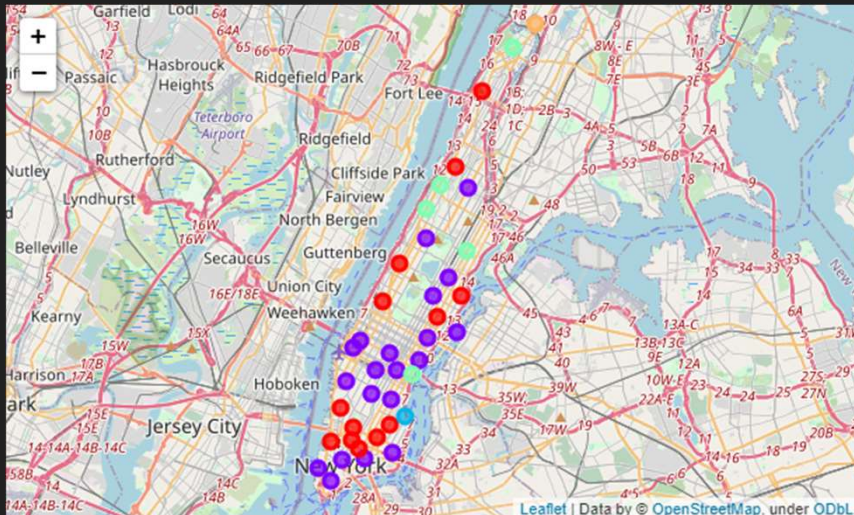




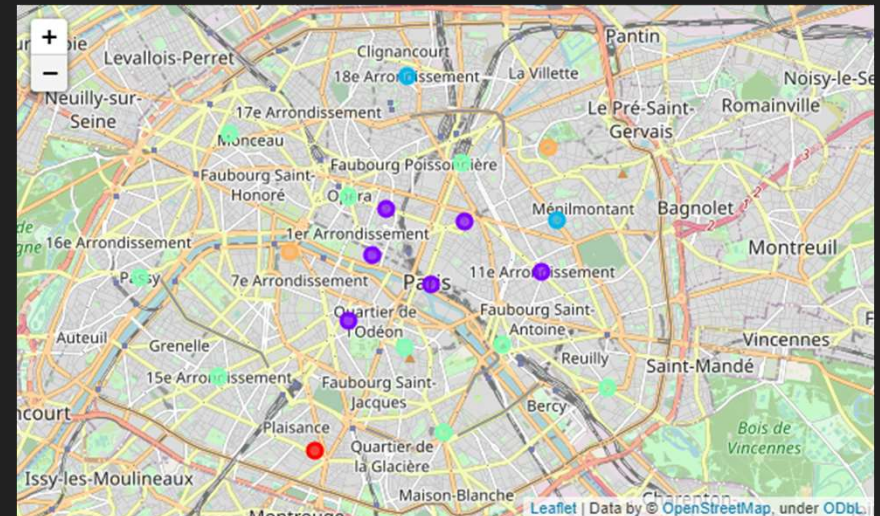
# Clustering

- I used 5 clusters for both maps in order to better visualize the different types of venues for each city.

**Manhattan**



**Paris**



# Insights for Manhattan

## ○ Purple Cluster

	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue
Chinatown	Chinese Restaurant	Bakery	Cocktail Bar	American Restaurant	Noodle House
Civic Center	Coffee Shop	Spa	Gym / Fitness Center	Yoga Studio	French Restaurant
Midtown South	Korean Restaurant	Hotel	Japanese Restaurant	Cosmetics Shop	Burger Joint
Flatiron	Italian Restaurant	Japanese Restaurant	New American Restaurant	Mediterranean Restaurant	Cycle Studio
Hudson Yards	Gym / Fitness Center	Hotel	Italian Restaurant	American Restaurant	Coffee Shop

## ○ Popular places include:

- Central Park
- Chinatown
- Hudson Yards

- This cluster include restaurants as well as bars.
- The purple clusters are venues that hold the majority of the population of the borough.
- You will find that work life as well as vacationers will be at that neighborhood their majority of their visit



# Insights for Paris

## ○ Purple Cluster

	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue
Louvre	French Restaurant	Plaza	Coffee Shop	Hotel	Italian Restaurant
Bourse	French Restaurant	Wine Bar	Cocktail Bar	Bistro	Hotel
Temple	French Restaurant	Hotel	Wine Bar	Restaurant	Art Gallery
Hôtel-de-Ville	French Restaurant	Ice Cream Shop	Plaza	Art Gallery	Theater
Luxembourg	French Restaurant	Plaza	Italian Restaurant	Café	Chocolate Shop

- This cluster include restaurants as well as small shops
- It is common in Paris to have shops of different categories as popular spaces
- Main work life and population will reside in this area

## ○ Popular places include:

- Louvre
- Near Eiffel Tower



# Final Insight

- Both handle venues pretty similar, popular spaces are situated at the middle of the borough/city while the least attractive or less popular spaces wrapped around the purple cluster.
- If you are looking to visit these places, you should make sure to have a visit at the purple clusters.
- If you are looking to open a restaurant, you may want to stay close to a purple cluster
- If you are planning to move, a green cluster might work better for you since green clusters appear to be more quiet