



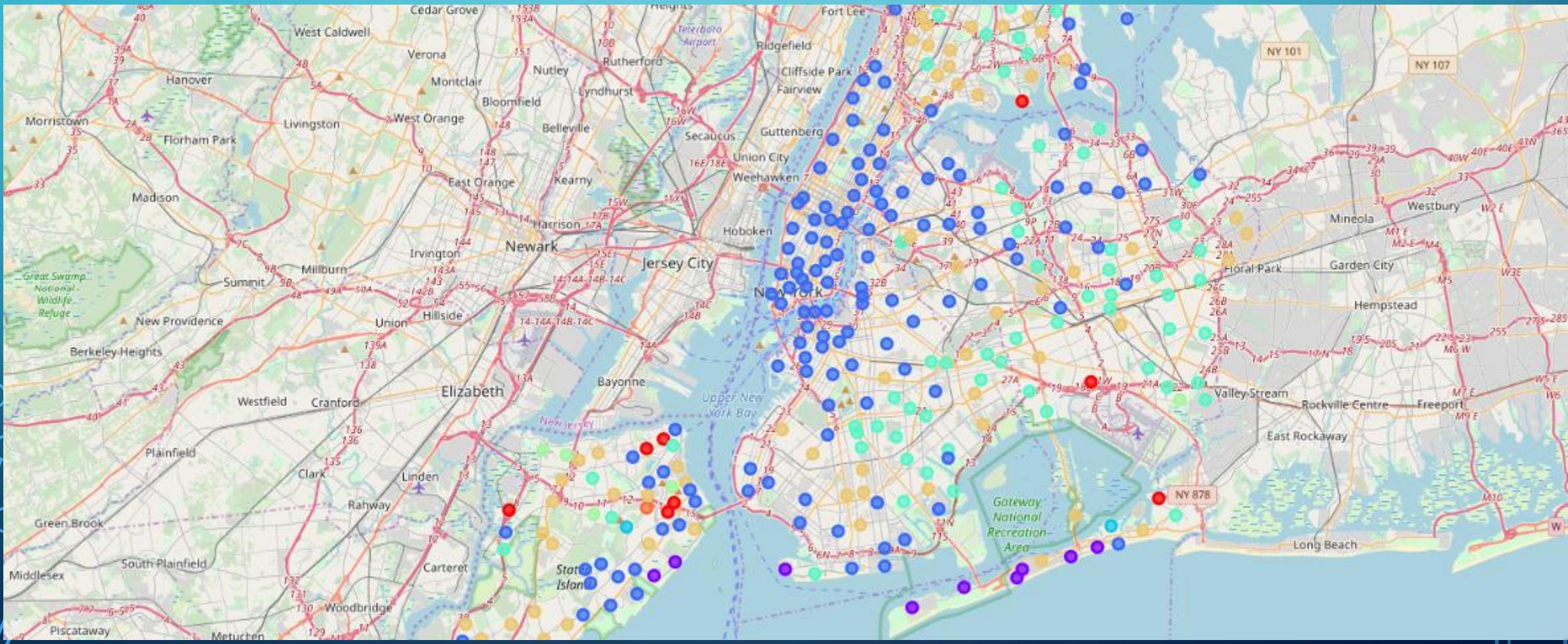
# BATTLE OF NEIGHBORHOODS

NEW YORK VS TORONTO

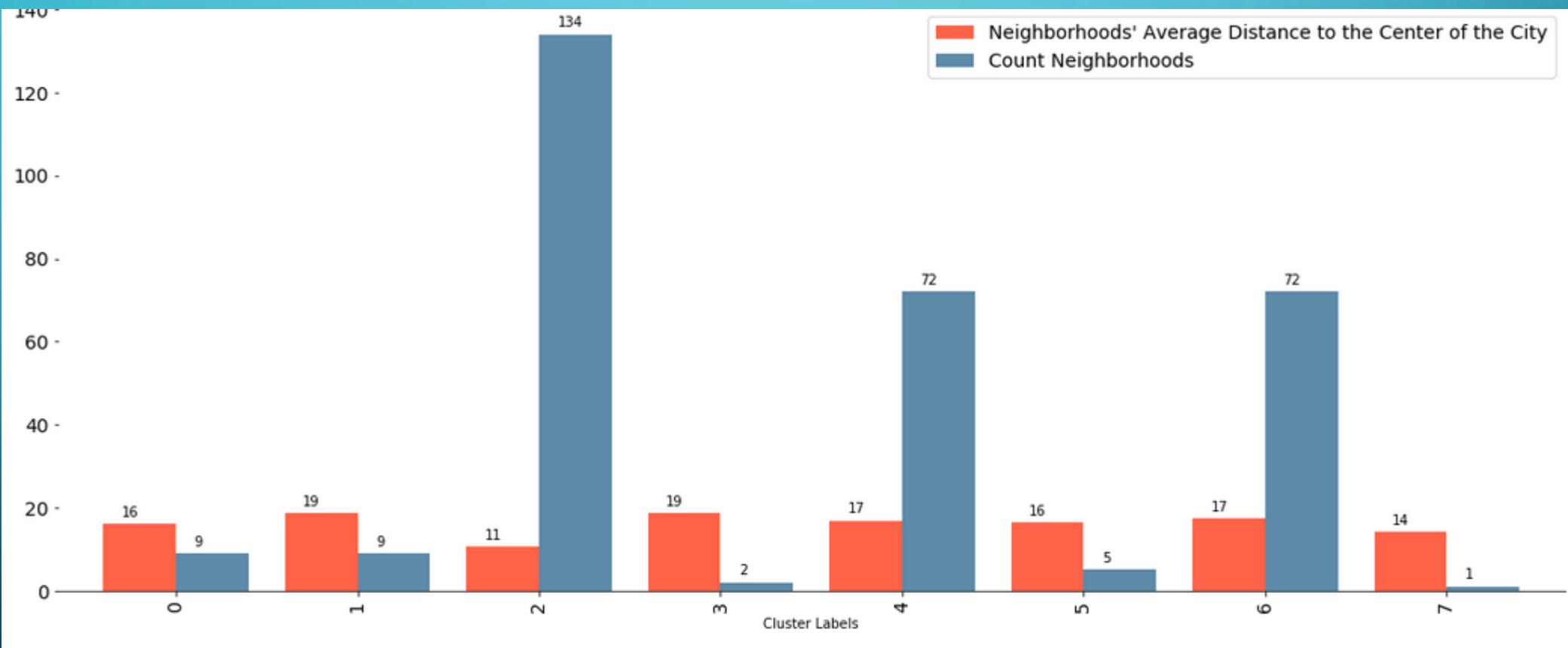
# DATAFRAMES

Dataframe's columns	Data Types
Borough	object
Neighborhood	object
Latitude	float64
Longitude	float64
Cluster Labels	float64
1st Most Common Venue	object
2nd Most Common Venue	object
3rd Most Common Venue	object
4th Most Common Venue	object
5th Most Common Venue	object
6th Most Common Venue	object
7th Most Common Venue	object
8th Most Common Venue	object
9th Most Common Venue	object
10th Most Common Venue	object

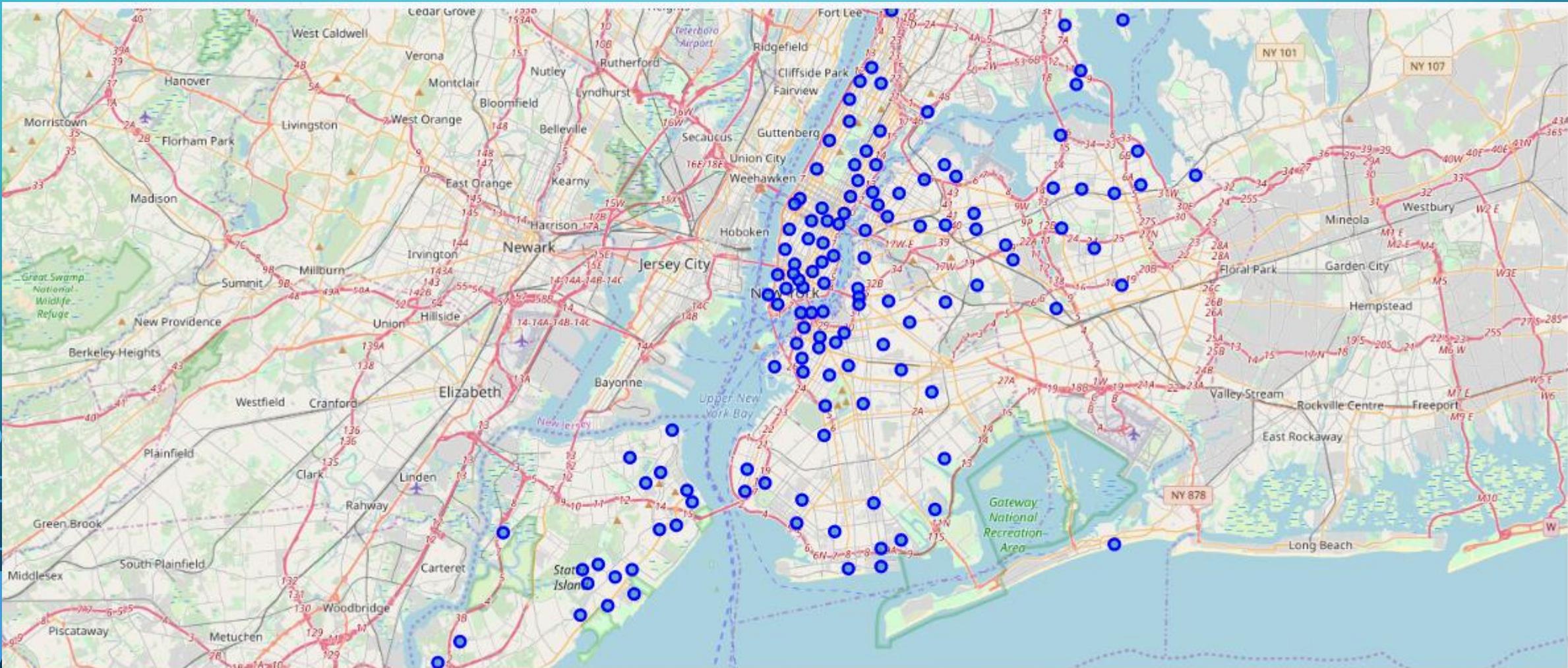
# CLUSTERS OF NEW YORK – MAP



# CLUSTERS OF NEW YORK & DISTANCES TO THE CENTER OF THE CITY



# FIRST CLUSTER OF NY - 134 NEIGHBORHOODS



# THE 1ST MOST COMMON VENUE CATEGORY OF THE FIRST CLUSTER IN NY

Venue category	1st Most Common Venue
Italian Restaurant	23
Bar	15
Coffee Shop	11
Chinese Restaurant	6
Café	5
Grocery Store	5
Clothing Store	4
Pizza Place	3
Park	3
Burger Joint	3

# SECOND CLUSTER OF NY - 72 NEIGHBORHOODS



# THE 1ST MOST COMMON VENUE CATEGORY OF THE SECOND CLUSTER IN NY

Venue category	1st Most Common Venue
Pizza Place	26
Pharmacy	8
Grocery Store	5
Bank	4
Italian Restaurant	3
Bus Station	3
Chinese Restaurant	2
Donut Shop	2
Buffet	1
Deli / Bodega	1

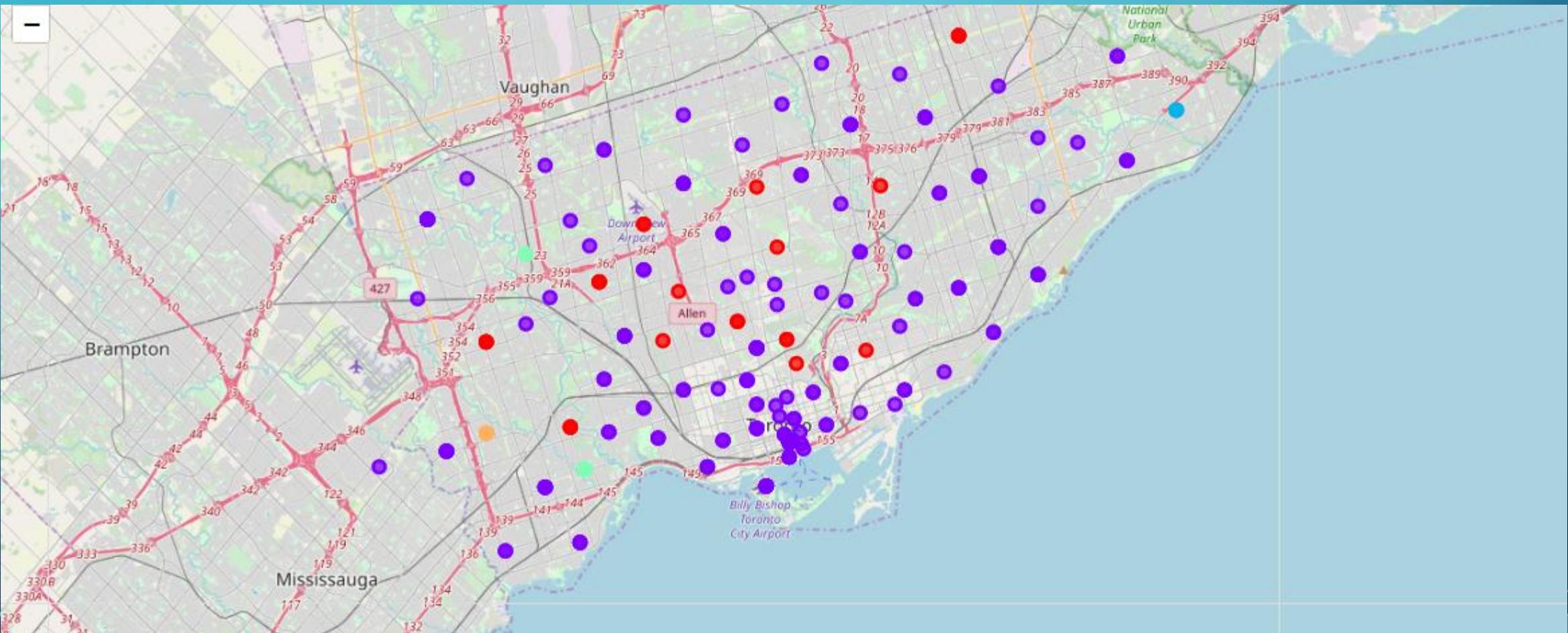
# THIRD CLUSTER OF NY - 72 NEIGHBORHOODS



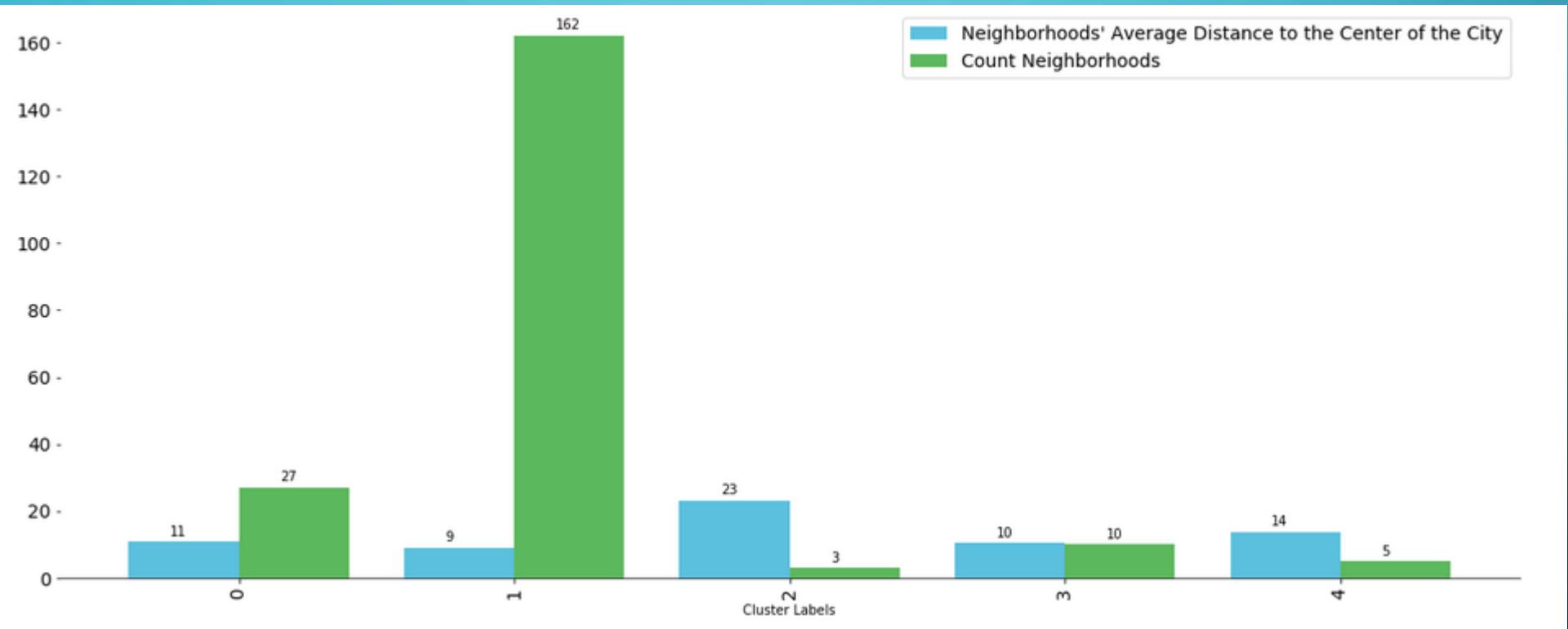
# THE 1ST MOST COMMON VENUE CATEGORY OF THE THIRD CLUSTER IN NY

Venue category	1st Most Common Venue
Deli / Bodega	10
Caribbean Restaurant	10
Donut Shop	6
Bank	5
Chinese Restaurant	4
Fried Chicken Joint	3
Pharmacy	3
Mobile Phone Shop	3
Bus Station	2
Supermarket	2

# CLUSTERS OF TORONTO – MAP



# CLUSTERS OF TORONTO & DISTANCES TO THE CENTER OF THE CITY



# FIRST CLUSTER OF TORONTO – 162 NEIGHBORHOODS



# THE 1-ST MOST COMMON VENUE CATEGORY OF THE FIRST CLUSTER IN TORONTO

Venue category	1st Most Common Venue
Coffee Shop	26
Café	14
Skating Rink	11
Grocery Store	11
Pizza Place	10
Airport Lounge	7
Pub	6
Convenience Store	6
Clothing Store	5
Bakery	5

# SECOND CLUSTER OF TORONTO - 27 NEIGHBORHOODS



# THE 1-ST MOST COMMON VENUE CATEGORY OF THE SECOND CLUSTER IN TORONTO

Venue category	1st Most Common Venue
Park	11
Playground	6
Construction & Landscaping	3
River	3
Trail	2
Swim School	1
Pub	1

# CONCLUSION – NEW YORK

- Of the 8 clusters in New York, the most numerous were 3 with the number of neighborhoods 134, 72 and 72, respectively.
- In the first cluster of NY we see a lot of restaurants, several supermarkets, banks. It could be a good place to relax. It is situated near the sea or park zones. Good place for tourists and entertainment of any kind. The average neighborhoods distance to the center of the city is the shortest among all the clusters – 11 kilometers.
- In the second cluster of NY there are a lot of pizza places, several banks, pharmacies, grocery stores. It consumes neighborhoods areas partly situated near the beach zones. This cluster composes usual places for living middle-class people. The average neighborhoods distance to the center of the city is 17 kilometers.
- The third cluster at first glance is something alike to the first one, but instead of parks – two baseball fields and the average neighborhoods distance to the center of the city is 17 kilometers.

# CONCLUSION – TORONTO

- Of the 5 clusters in Toronto, the most numerous were 3 with the number of neighborhoods 162, 27 and 10, respectively.
- The first cluster of Toronto is a place near the airport, there are airport lounges & airport services, respectively, a lot of coffee houses. There are also 11 Skating Rink and a lot of places to have a snack. The average neighborhoods distance to the center of the city is the shortest among all the clusters – 9 kilometers.
- The second cluster in Toronto has 7 parks and not very much places to have a snack. It is some kind of a park's place, a place for relax. The average neighborhoods distance to the center of the city is 11 kilometers.
- The third cluster in Toronto has 10 baseball fields and several shops. The average neighborhoods distance to the center of the city is 10 kilometers.