The Battle of Neighborhoods

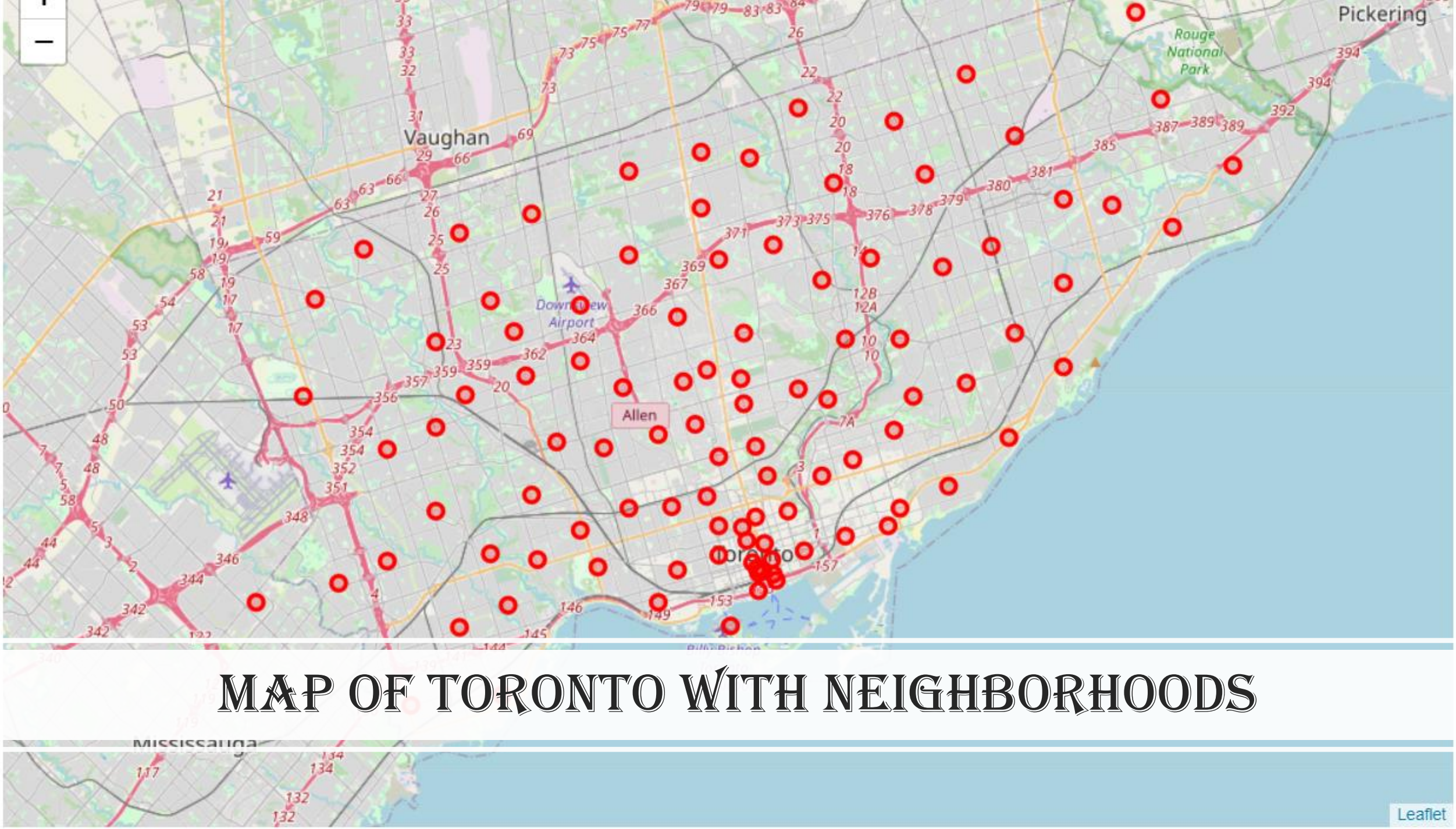
TORONTO AND NEW YORK CITY

TORONTO VS NEW YORK CITY

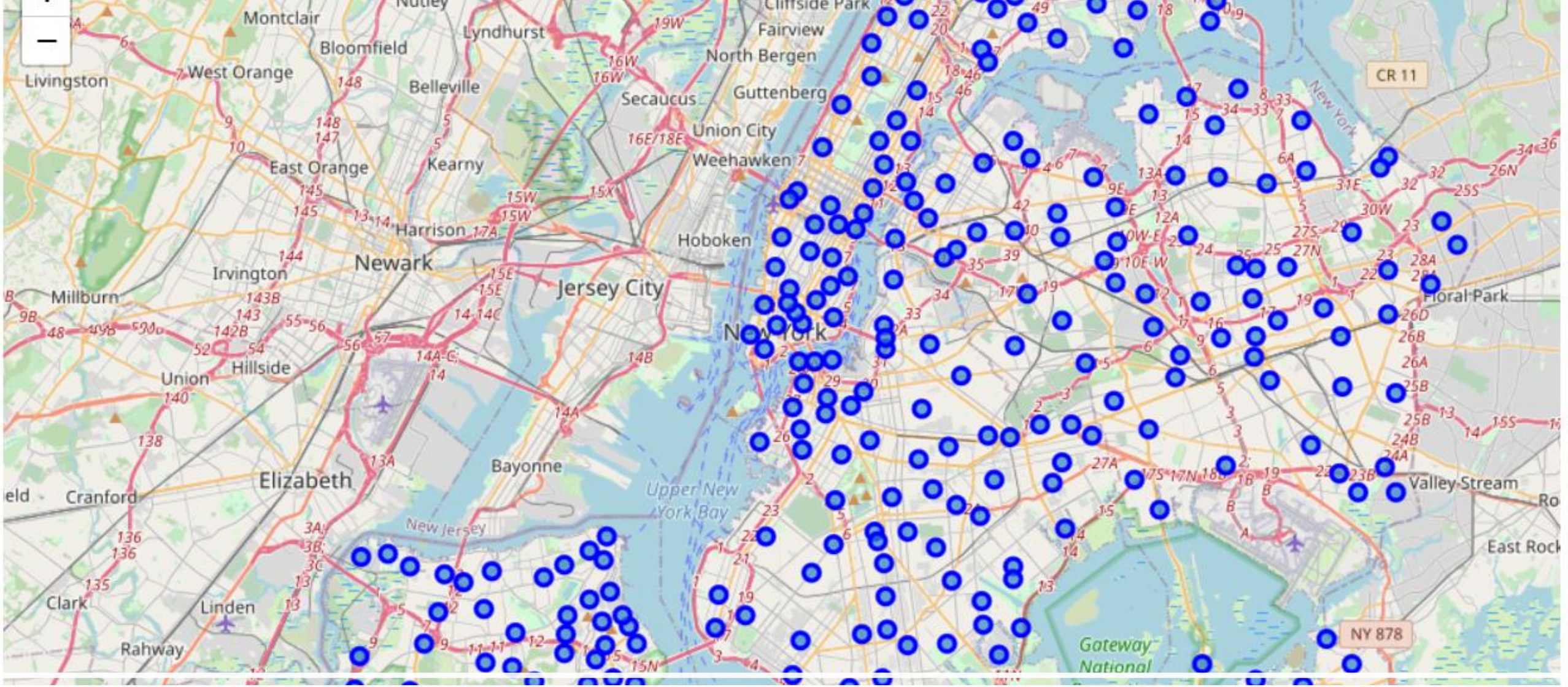
- Toronto is the capital city of the Canadian province of Ontario, the most populous city in Canada.
- New York City is the most populous city and the most densely populated major city in the United States.
- Both are the popular vacation and migration destinations for people all around the world.
- They are diverse and multicultural and offer a wide variety of experiences.
- Group the neighborhoods of Toronto and New York City respectively to draw insights to what they look like now.

DATA DESCRIPTION

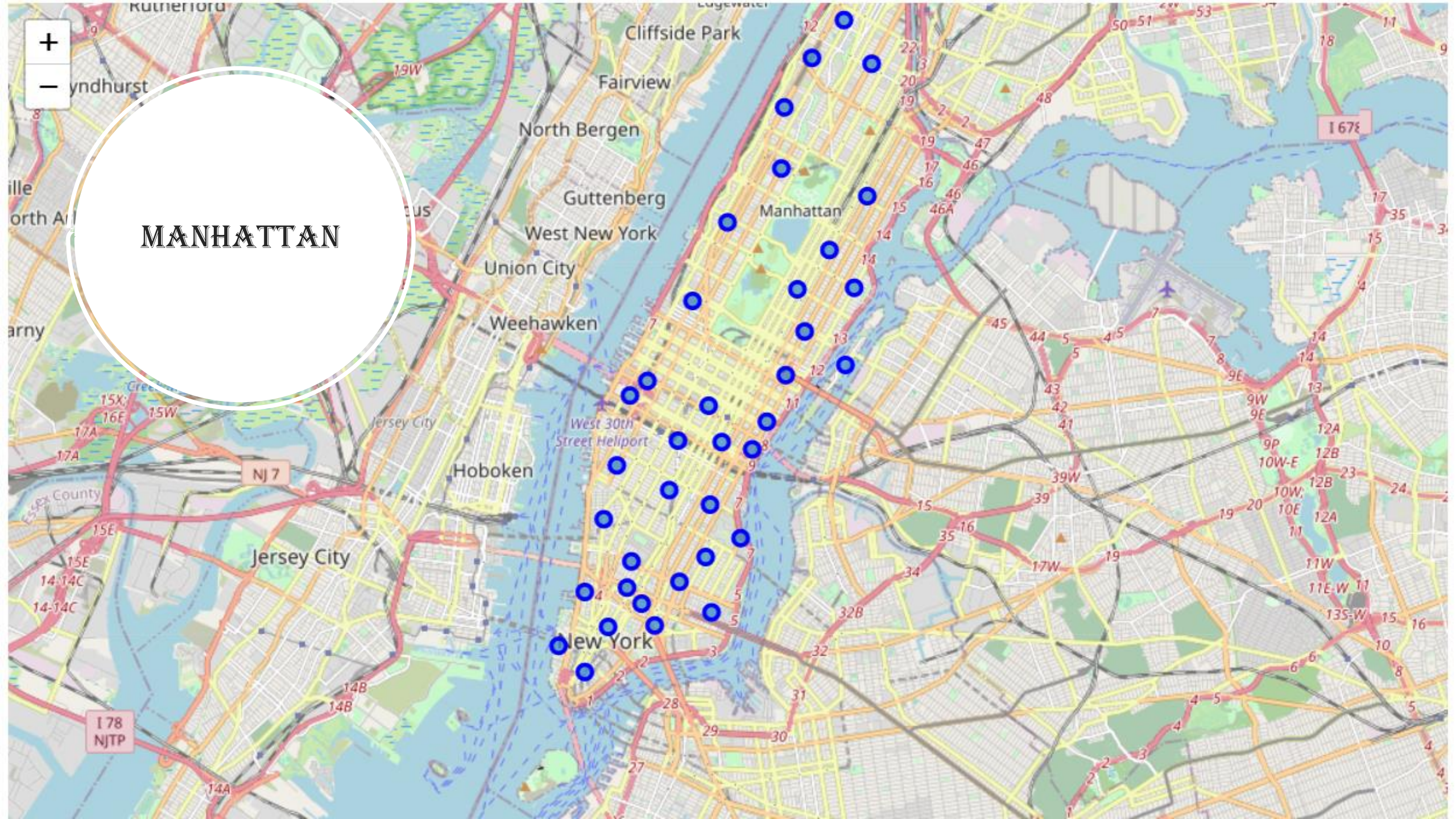
- Require geolocation of Toronto and New York City (Postal Code)
- Toronto: scrape data from Wikipedia
- New York City: leverage JSON data
- Foursquare API Data to gain information about different venues in different neighborhoods of that specific borough



MAP OF TORONTO WITH NEIGHBORHOODS



MAP OF NEW YORK CITY WITH NEIGHBORHOODS


MANHATTAN
Cliffside Park
Fairview
North Bergen
Guttenberg
West New York
Union City
Weehawken
Manhattan
Hoboken
Jersey City
New York
West 30th Street Heliport
NJ 7
I 78 NJTP
I 678

Toronto: Top 10 Venues for some Neighborhoods

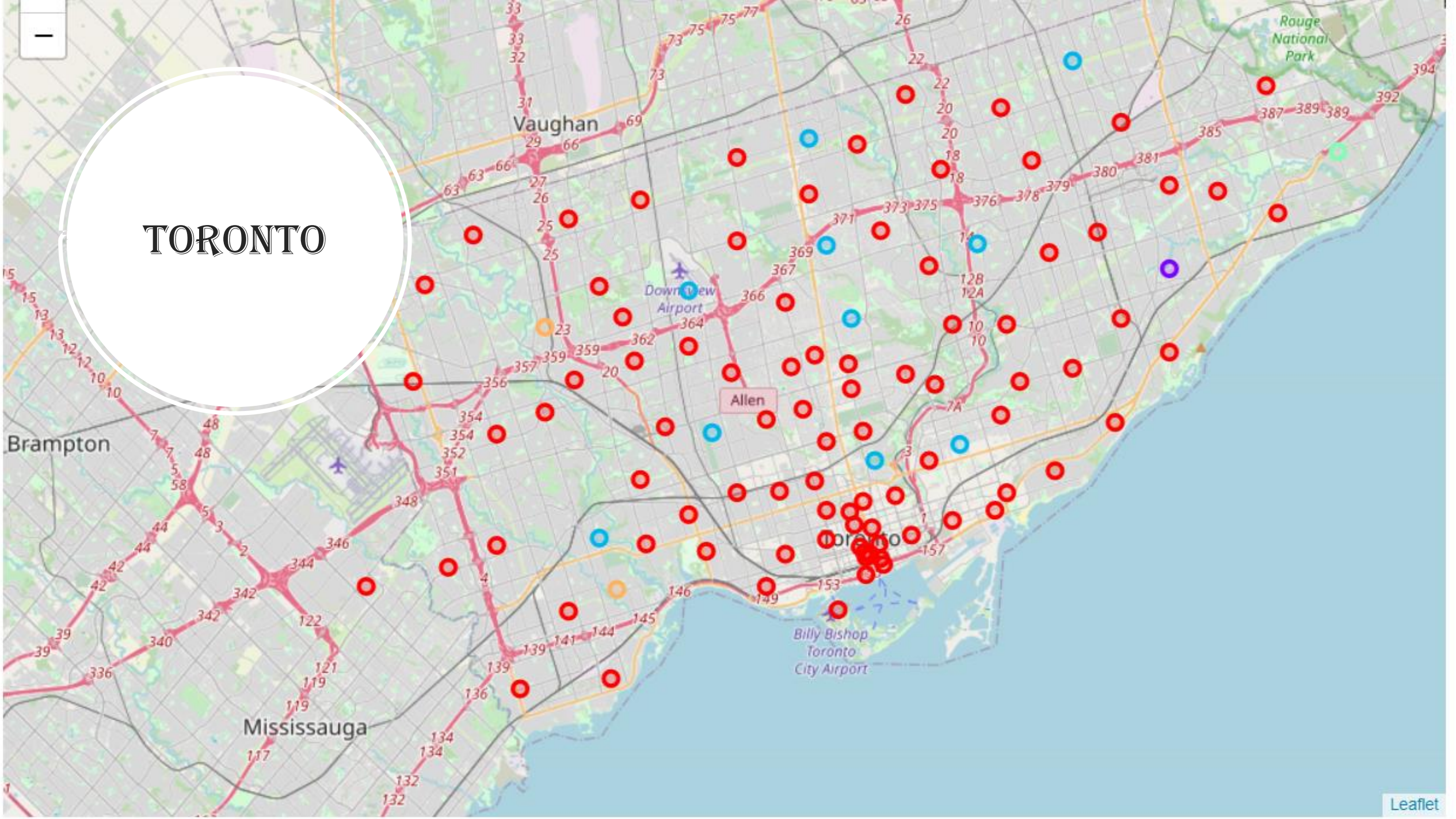
Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
Agincourt	Breakfast Spot	Lounge	Skating Rink	Clothing Store	Latin American Restaurant	Middle Eastern Restaurant	Molecular Gastronomy Restaurant	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop
Alderwood, Long Branch	Pizza Place	Pub	Sandwich Place	Playground	Dance Studio	Coffee Shop	Skating Rink	Molecular Gastronomy Restaurant	Modern European Restaurant	Mobile Phone Shop
Bathurst Manor, Wilson Heights, Downsview North	Bank	Coffee Shop	Shopping Mall	Sushi Restaurant	Diner	Gas Station	Sandwich Place	Frozen Yogurt Shop	Ice Cream Shop	Bridal Shop
Bayview Village	Japanese Restaurant	Café	Bank	Chinese Restaurant	Museum	Motel	Moroccan Restaurant	Monument / Landmark	Molecular Gastronomy Restaurant	Modern European Restaurant
Bedford Park, Lawrence Manor East	Restaurant	Italian Restaurant	Coffee Shop	Sandwich Place	Indian Restaurant	Sushi Restaurant	Café	Liquor Store	Butcher	Thai Restaurant

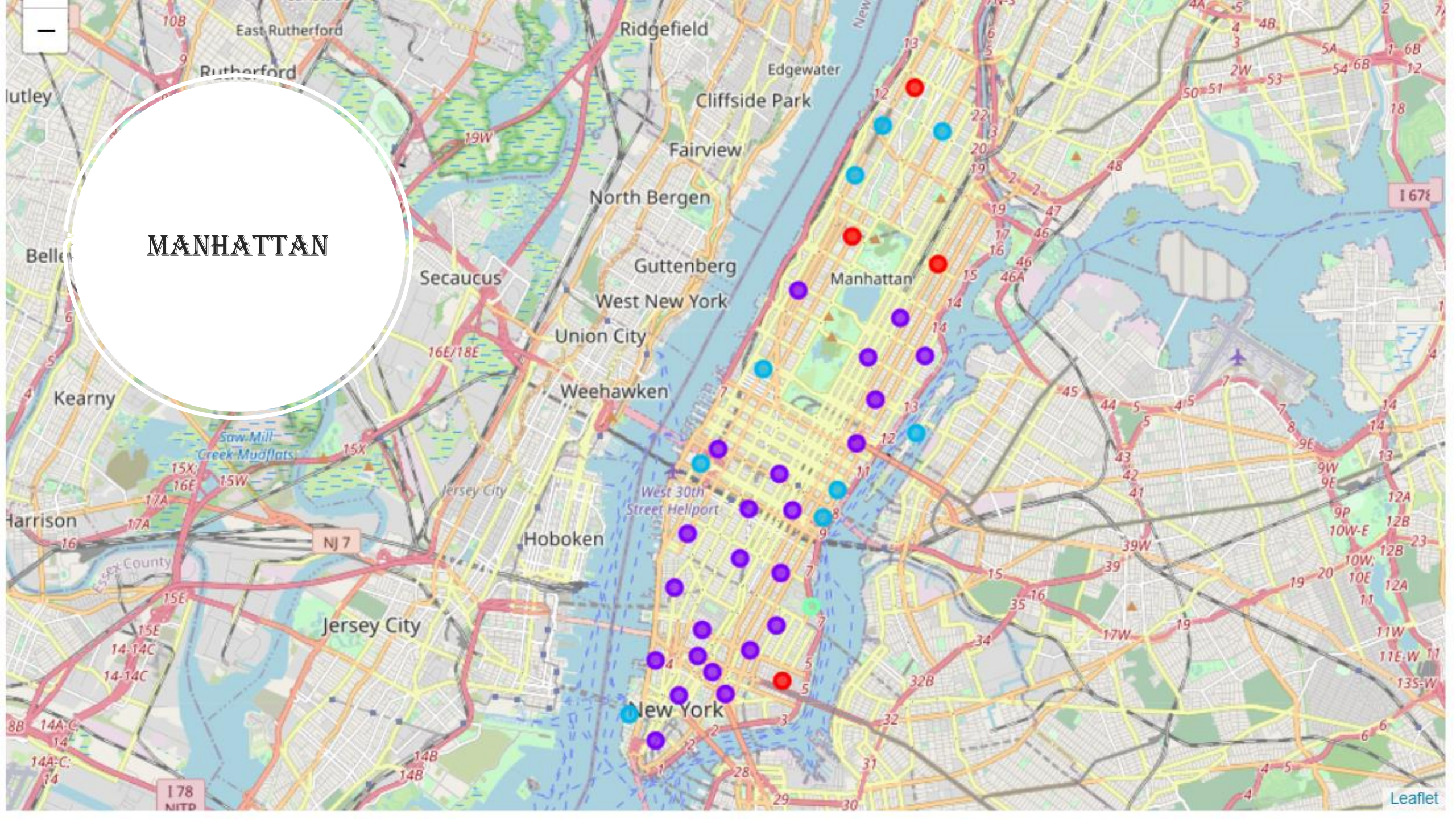
New York City: Top 10 Venues for some Neighborhoods

Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
Battery Park City	Park	Hotel	Coffee Shop	Gym	Memorial Site	Pizza Place	Food Court	Shopping Mall	Sandwich Place	Chinese Restaurant
Carnegie Hill	Coffee Shop	Pizza Place	Wine Shop	Gym	Café	Cosmetics Shop	Japanese Restaurant	Bookstore	Sushi Restaurant	Bakery
Central Harlem	African Restaurant	Fried Chicken Joint	American Restaurant	Sandwich Place	Seafood Restaurant	Gym / Fitness Center	French Restaurant	Bar	Southern / Soul Food Restaurant	Tapas Restaurant
Chelsea	Art Gallery	Coffee Shop	Bakery	French Restaurant	Wine Shop	Ice Cream Shop	American Restaurant	Italian Restaurant	Cycle Studio	Steakhouse
Chinatown	Bakery	Chinese Restaurant	Cocktail Bar	American Restaurant	Ice Cream Shop	Salon / Barbershop	Optical Shop	Spa	Dessert Shop	Coffee Shop

CLUSTERING BY K-MEANS

TORONTO


Vaughan
Brampton
Mississauga
Toronto
Allen
Downsview Airport
Billy Bishop Toronto City Airport
Rouge National Park
Leaflet


MANHATTAN
East Rutherford
Rutherford
Ridgefield
Edgewater
Cliffside Park
Fairview
North Bergen
Guttenberg
Secaucus
West New York
Union City
Weehawken
Manhattan
Kearny
Harrison
Hoboken
Jersey City
New York
West 30th Street Heliport
Saw Mill Creek Mudflats
NJ 7
I 78
Leaflet

RESULT AND DISCUSSION

- Both Toronto and New York City have a wide variety of cuisines including Moroccan, French, Italian, Japanese, Chinese etc.
- There are a lots of leisure and sight-seeing places such as park, skating rink, yoga studio, memorial site, Art gallery etc.
- They offers multicultural, diverse and an entertaining experience.

CONCLUSION

- Both uniquely provide a wide variety of experiences.
- Both offer a vacation stay or a romantic gateway with many places to explore and beautiful landscapes.
- It depends on individual's preference and liking to choose which they prefer.