

The Battle of Neighborhoods

Search for the Reality in picking up the right hotel.....



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NEW YORK CITY

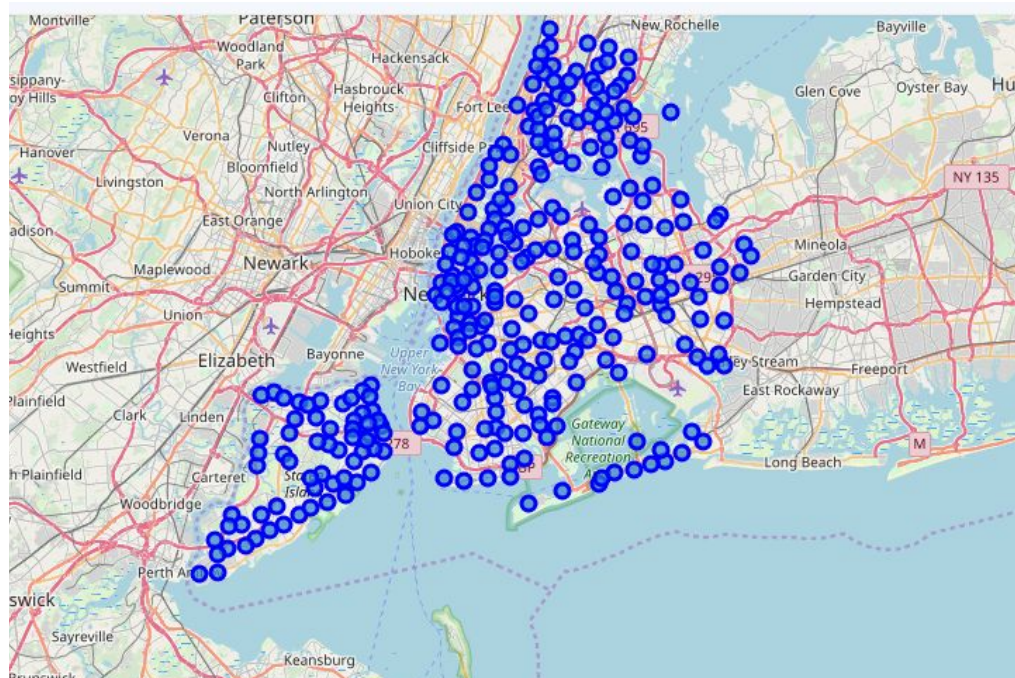
New York City - there's no place quite like it. Even if you think you know New York City well-the world-class museums, amazing food and unforgettable views-there's always something new and exciting to discover. Thrilling shows, fabulous shopping, and first-rate sports draw visitors from around the globe to the world's entertainment capital. With awesome architecture and parks, New York was rated No. 1 of America's most beautiful cities by Budget Travel. Take in its grandeur from observation decks at icons like the Empire State Building and Top of the Rock, or on a stroll across the Brooklyn Bridge or Brooklyn Heights Promenade.

PROBLEM

To Pick the best hotel to stay in New York city and to find the surrounding venus so that the user can pick the best one based upon his choice.

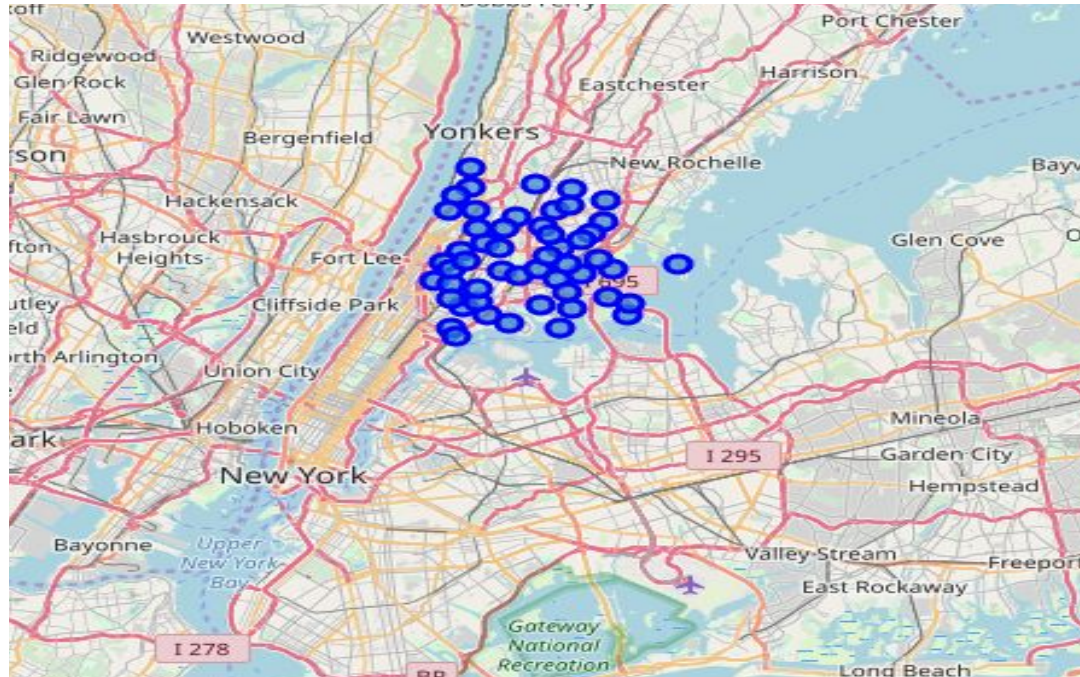
STAGE-I

Finding the geographical coordinates of the NewYork city and marking all the neighborhoods on the map as shown.



STAGE-II

Considering Bronx as a required country in New York City and finding the geographical area and then finding the surroundings plotting on the map as shown



STAGE-III

Now Considering the Wakefield as the required city and then finding the latitude and longitude of that area and then fetching popular stores available in that area.

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Wakefield	40.894705	-73.847201	Lollipops Gelato	40.894123	-73.845892	Dessert Shop
1	Wakefield	40.894705	-73.847201	Rite Aid	40.896649	-73.844846	Pharmacy
2	Wakefield	40.894705	-73.847201	Carvel Ice Cream	40.890487	-73.848568	Ice Cream Shop
3	Wakefield	40.894705	-73.847201	Dunkin'	40.890459	-73.849089	Donut Shop
4	Wakefield	40.894705	-73.847201	Shell	40.894187	-73.845862	Gas Station

STAGE-IV

Getting all the hotels along with the top 5 venues listed below to the hotels.

----Allerton----

	venue	freq
0	Pizza Place	0.12
1	Chinese Restaurant	0.09
2	Deli / Bodega	0.09
3	Supermarket	0.06
4	Cosmetics Shop	0.06

----Baychester----

	venue	freq
0	Donut Shop	0.10
1	Men's Store	0.05
2	Bank	0.05
3	Gym / Fitness Center	0.05
4	Food & Drink Shop	0.05

----Bedford Park----

	venue	freq
0	Chinese Restaurant	0.14
1	Diner	0.11
2	Sandwich Place	0.05
3	Mexican Restaurant	0.05
4	Bus Station	0.05

----Belmont----

	venue	freq
0	Italian Restaurant	0.19
1	Deli / Bodega	0.08
2	Pizza Place	0.08

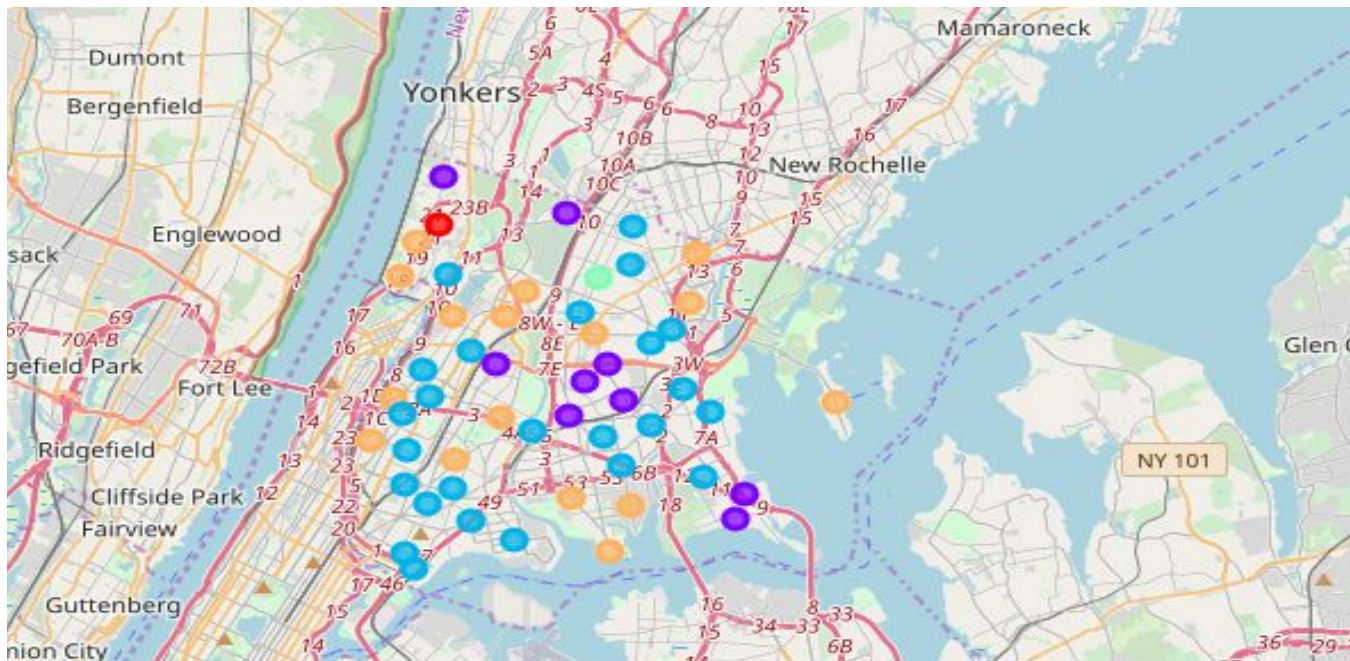
STAGE-V

Finally getting the top picks along with the venues filtered on the priority bases and are tabulated for easy understanding

	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
0	Allerton	Pizza Place	Deli / Bodega	Chinese Restaurant	Cosmetics Shop	Supermarket	Dessert Shop	Bus Station	Spa	Spanish Restaurant	Check Cashing Service
1	Baychester	Donut Shop	Mattress Store	Supermarket	Discount Store	Pizza Place	Convenience Store	Electronics Store	Fast Food Restaurant	Sandwich Place	Bus Station
2	Bedford Park	Chinese Restaurant	Diner	Supermarket	Food Truck	Bus Station	Mexican Restaurant	Sandwich Place	Pizza Place	Deli / Bodega	Pub
3	Belmont	Italian Restaurant	Deli / Bodega	Pizza Place	Bakery	Dessert Shop	Donut Shop	Bank	Coffee Shop	Mexican Restaurant	Eastern European Restaurant
4	Bronxdale	Breakfast Spot	Doctor's Office	Mexican Restaurant	Spanish Restaurant	Supermarket	Garden	Eastern European Restaurant	Chinese Restaurant	Gym	Bank

SATGE-VI

Marking the venue along with the neighborhoods for selected hotel.



CONCLUSION

Finally the users pick the best hotel to his required choice as he can be knowing the neighbour venus and the visiting places.

Thank You !!!