Capstone Project

EDA on Airbnb booking

By-

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DATA SUMMARY

- Id- It provides a unique id to each listing in the dataset.
- Name-It describes the property in a concise manner.
- Host_id-It is used to ascertain the ownership of a certain individual
- Host_name-It is the name of the property owner
- Neighbourhood_group-It basically categorizes neighbourhood into five groups Bronx,Brooklyn,
- Manhattan,Staten Islands and Queens
- Neighbourhood-It designates the location of a property.
- Lattitude-It Specifies the Lattitude of the property.
- Longitude-It denotes the Longitude of the property.
- Room_type-It classifies the type of property into Private_Room,Shared_Room and Entire_Apartment.

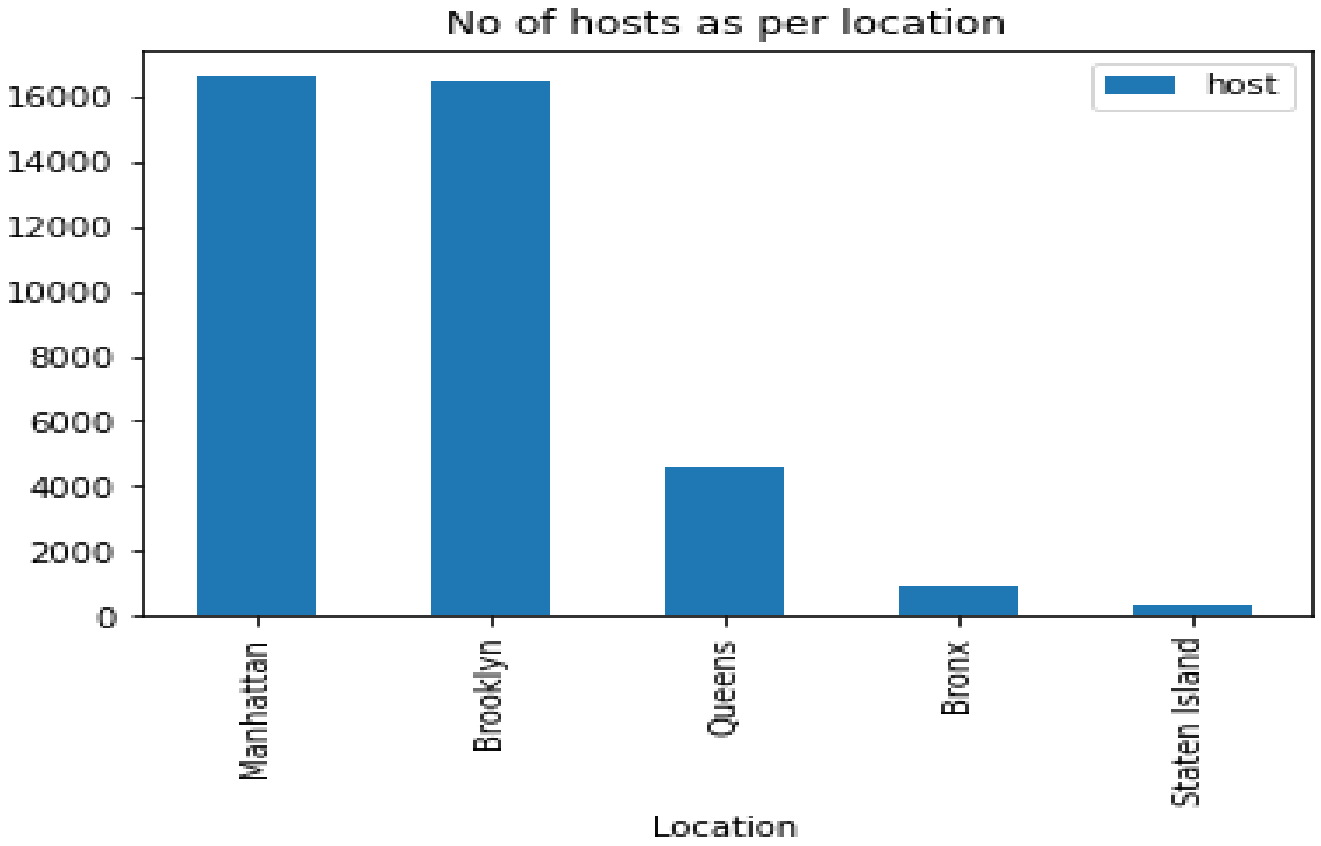
DATA SUMMARY

- Price- It provides the price of each listed property.
- Minimum_Nights-It gives the minimum night one needs to pay for in the property.
- Number_of_reviews-It is used to ascertain the number of reviews received by a property.
- Reviews_per_month-It denotes the number of reviews per month.
- Calcuated_host_listings_count-It corresponds to the number of properties hosted by the unique host_id
- Availability_365-The number of days the property is available in a year.

AGENDA

- Number of hosts listed in Airbnb for each locations.
- Comparing of room pricing for each locations.
- Finding out the popular hosts based on review and availability.
- Finding out popular room type among the customers
- Which location is most popular among people?(Place where rooms are booked for most of the time)
- Pricing of each type of room in New York city.
- Popular location among people for Night Stay.

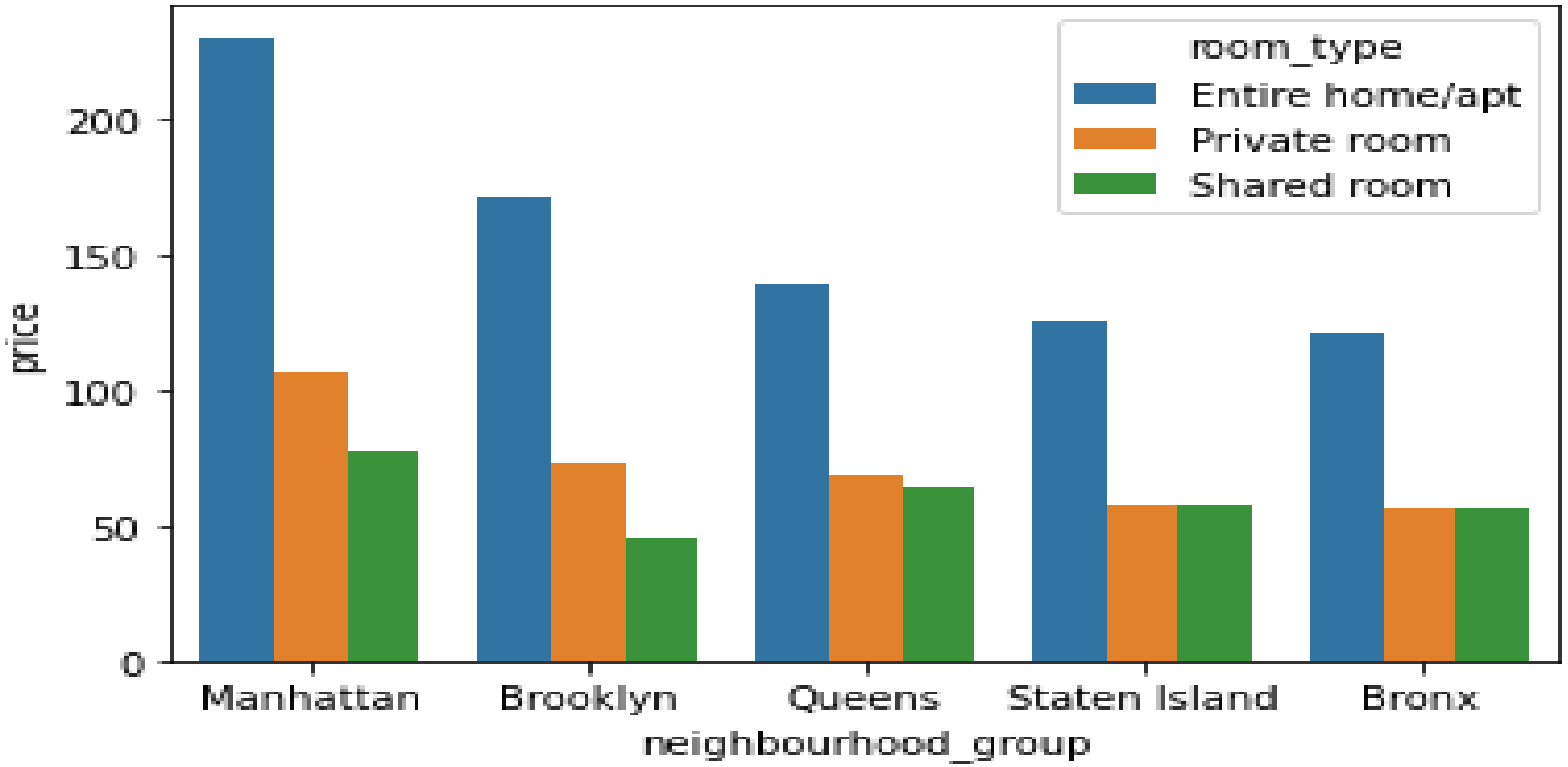
Number of hosts listed in Airbnb for each locations



Manhattan has the highest number of the followed by Brooklyn.
Rest locations have less host as this locations are more sub-urban area.

Comparing of room pricing for each locations.

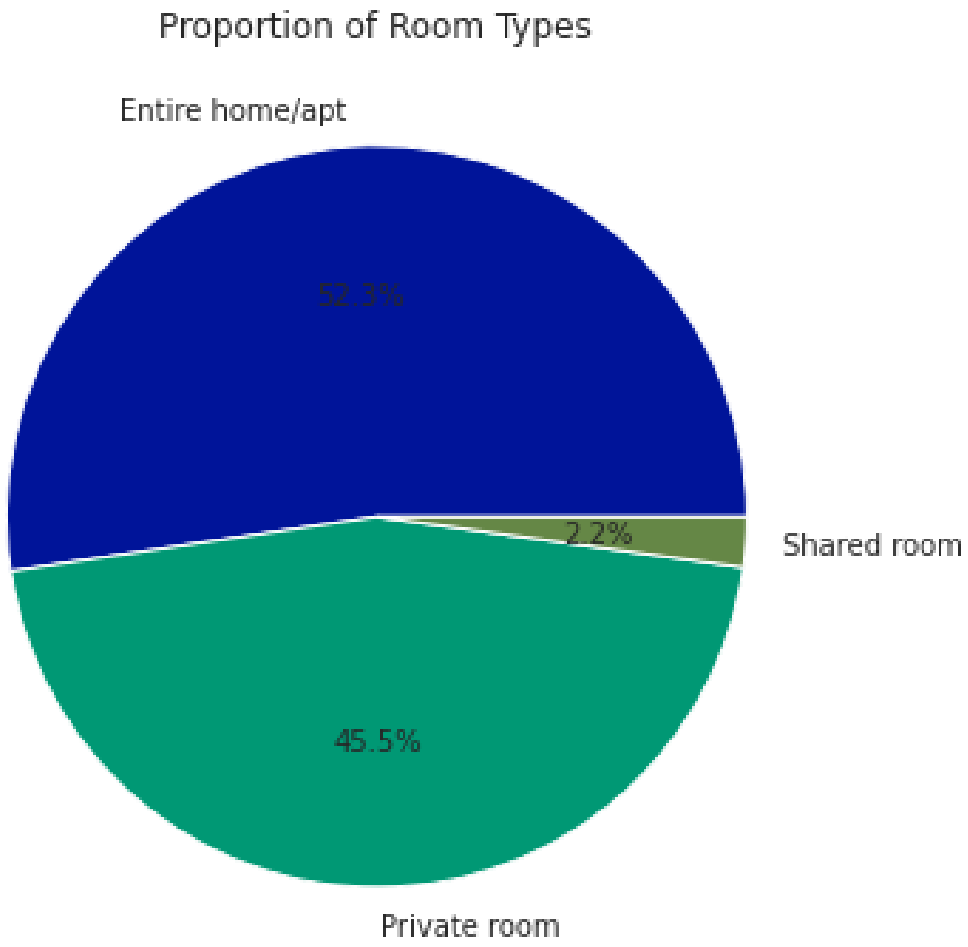
SHOWS THAT MANHATTAN HAS THE COSTLIEST ROOMS FOLLOWED BY BROOKLYN ORTHER LOCATIONS RELATIVELY CHEAPER AS THEY ARE MORE SUB-URBAN AREA



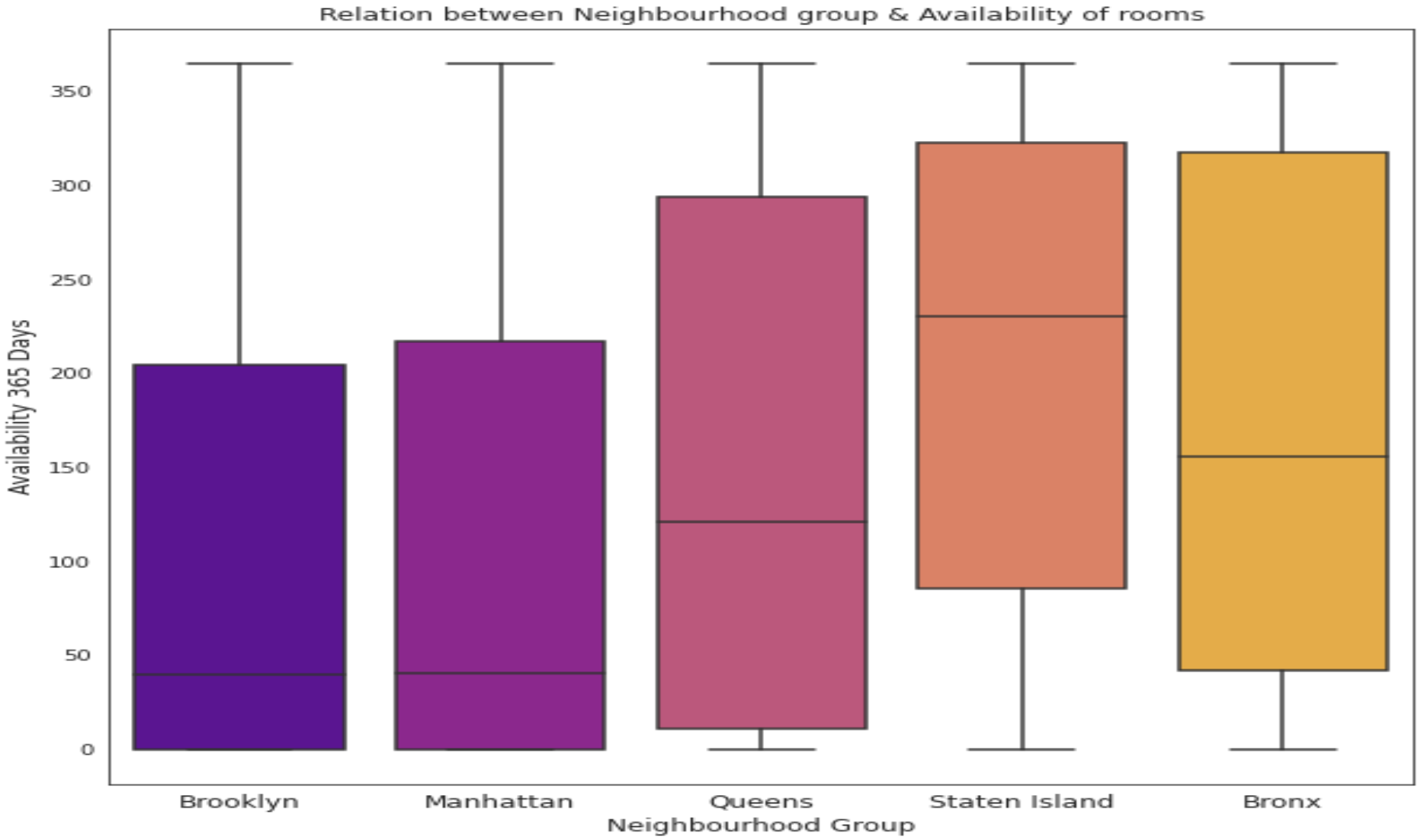
Finding out the popular hosts based on review and availability

	host_id	Hostname	location	Number of reviews	Availability in a year
1	22959695	Gurpreet Singh	Queens	1157	0.0
2	99392252	Michael	Brooklyn	732	0.0
3	121391142	Deloris	Queens	693	0.0
4	792159	Wanda	Brooklyn	480	0.0
5	37818581	Sofia	Manhattan	479	0.0

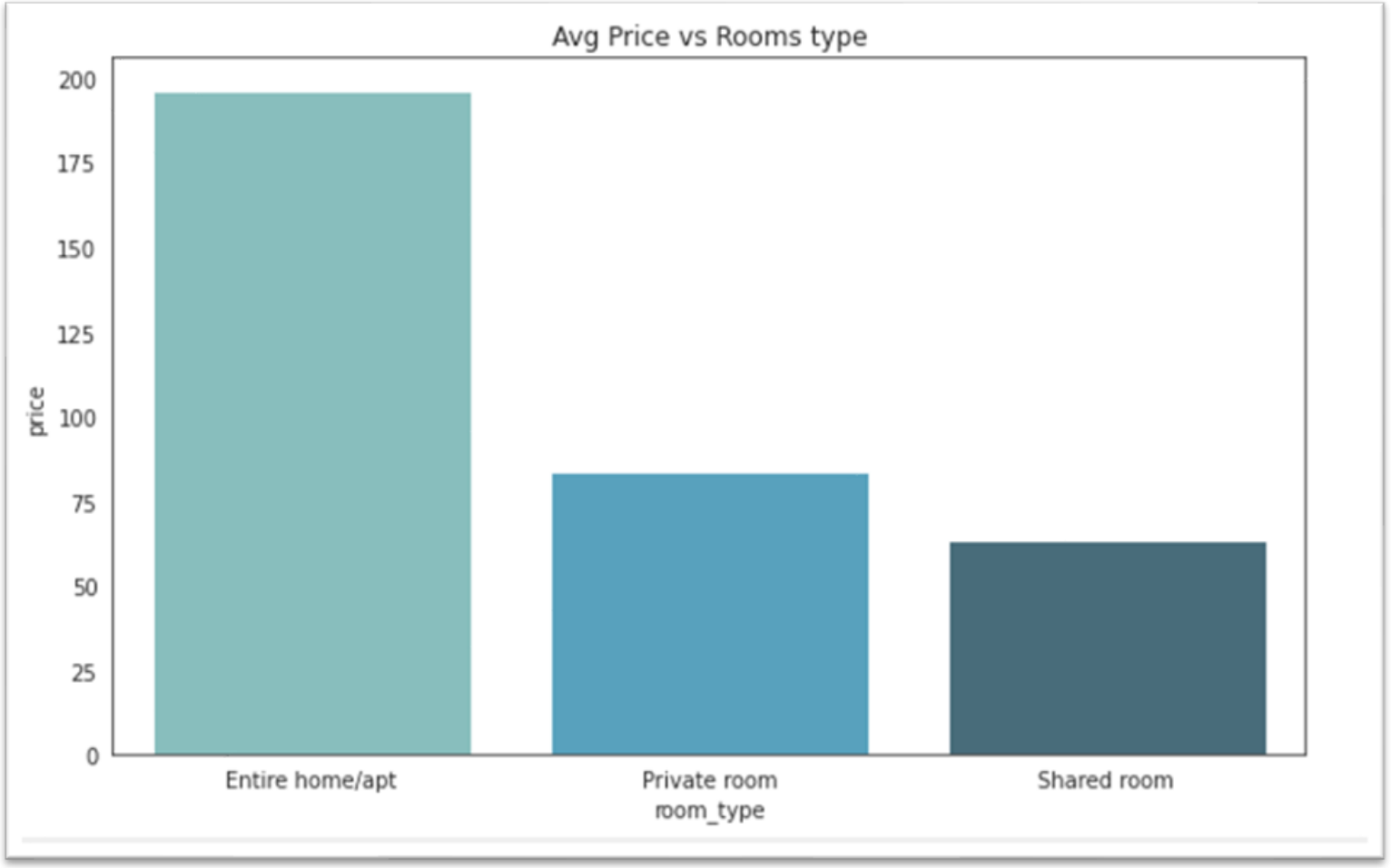
Finding out popular room type among the customers



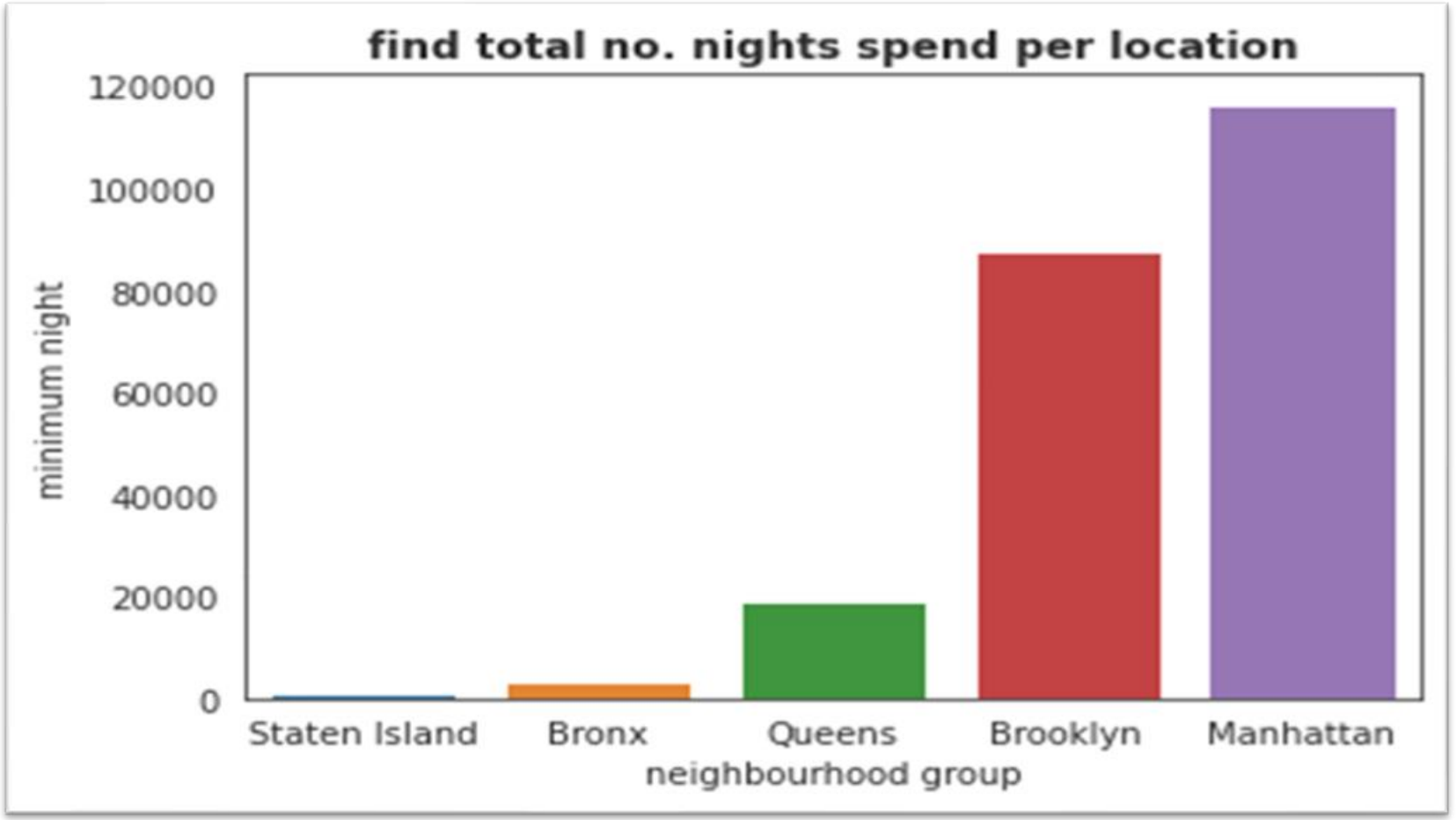
Which location is most popular among people?(Place where rooms are booked for most of the time)



Pricing of each type of room in New York city.



Popular location among people for Night Stay



CONCLUSION

1. Manhattan has highest number of hosts followed by Brooklyn and other three location has less host as they are located at sub urban area.
2. Manhattan have the costlest rooms followed by Brooklyn and other locations have significatly low cost rooms
3. Gurpreet Singh of Queens found out to be best host,rooms are always booked and found to be better reviewed
4. Popular room type in NYC is Enitre appartment/home with 52.3% listed followed by private room and least is shared rooms
5. Enitre appt/home are costliest room types
6. Avalibility of rooms is little less in Brooklyn and Mahatten whereas other location rooms can be found at time of the year.
7. People preffer Manhattan for Night stay as it has better nightlife and safe.

Thank
you