Capstone Project – Airbnb Booking

Team – Dream

Team Members
Indugopal Maity
Md. Tousif Ali

Let`s analyse "Accommodation" data

1. What is Airbnb.

2. How does Airbnb work.

3. Where can we find Airbnb.

4. Relation between hosts and areas.

5. Learning from different attributes
   Example: Location, Price, Review

6. Finding busiest host with reasons.

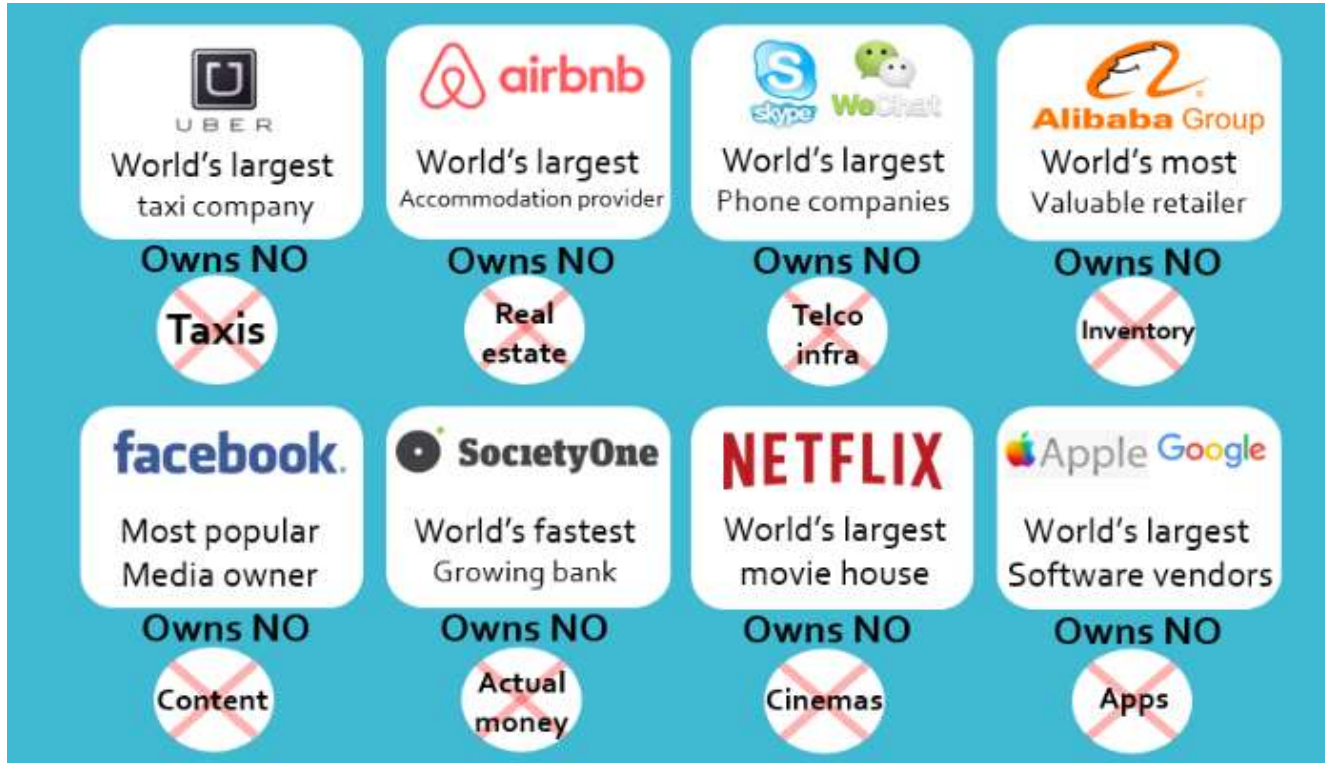7. Any difference of traffic between places with reason.

What is Airbnb??

Full form of Airbnb is "Air Bed and Breakfast"

It is a new form of Accommodation.

It is a online community market place which Connects Tenant/Customer with House/Hotel Owner.

It is available in 191 countries, use mostly in USA.

Transportation and Accommodation have been most affected by this new economy with Uber and Airbnb being the main player.
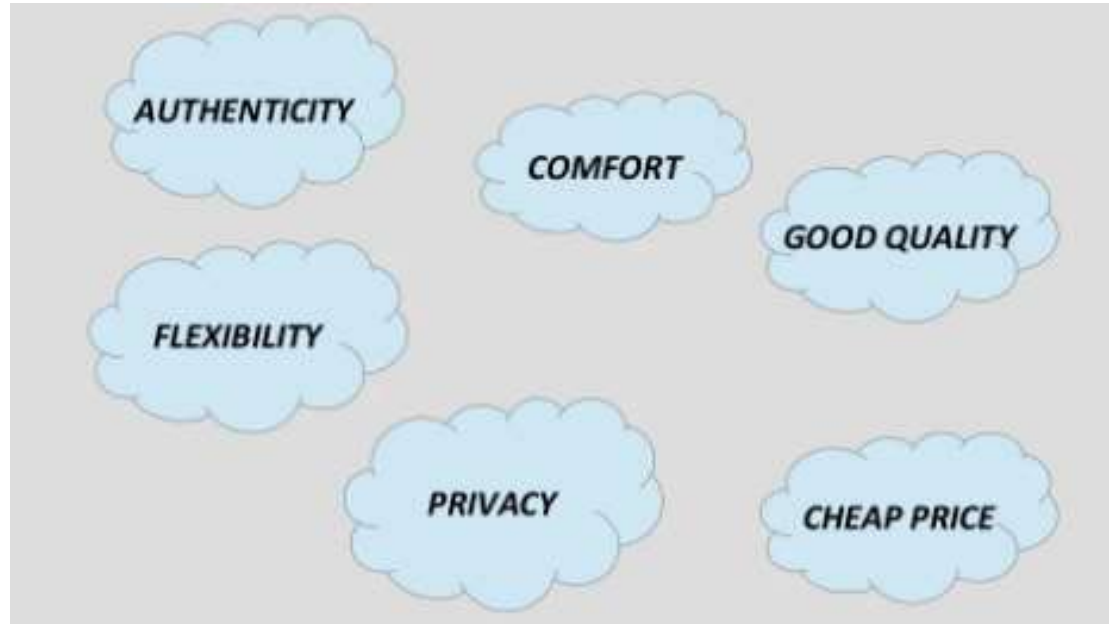
How does Airbnb work??

Airbnb is a service that let property Owners rent out their spaces to travellers looking for a place to stay

Benefits: Travellers can rent a space
1. To Share an apartment
2. Share space with Private room
3. Entire property for themselves
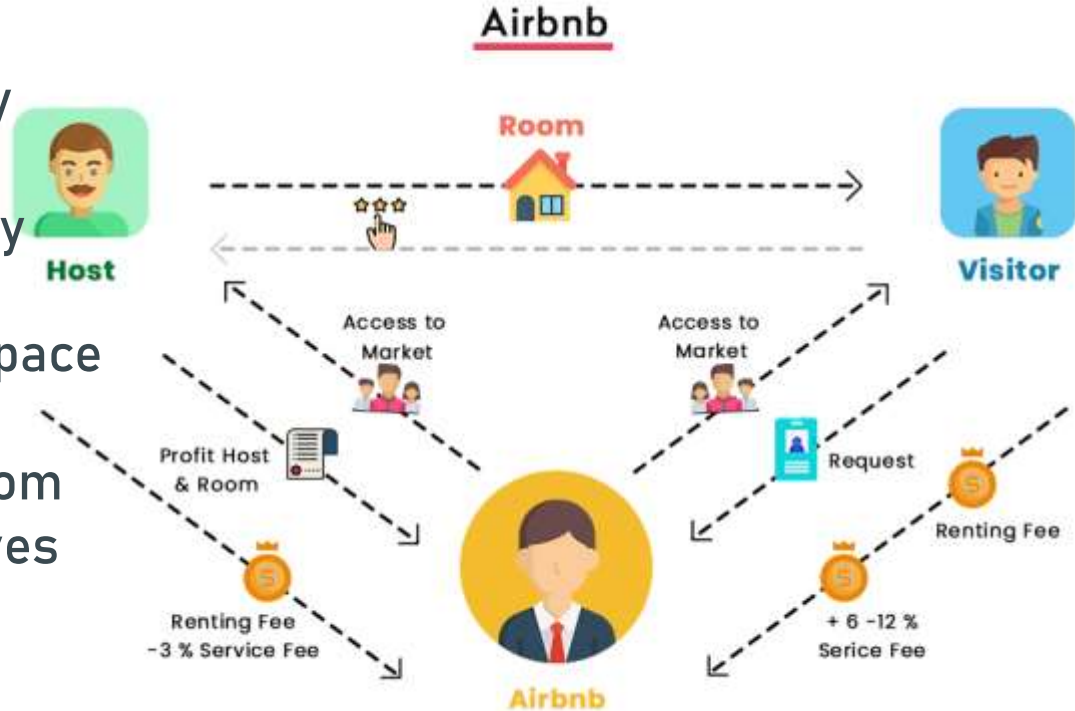
# What we are getting??

Where can we find "Airbnb"??

Can be found in "Application" and in "Website"

Relationship between Hosts and Areas

| host_name	neighbourhood_group	calculated_host_listings_count
Sonder (NYC)	Manhattan	327
Blueground	Manhattan	232
Blueground	Brooklyn	232
Kara	Manhattan	121
Kazuya	Queens	103
Kazuya	Manhattan	103
Kazuya	Brooklyn	103
Sonder	Manhattan	96
Jeremy & Laura	Manhattan	96
Corporate Housing	Manhattan	91

can see from the data set most number of listings are from "Manhattan", "Brookly
d "Queens" created by "Sonder(NYC)", "Blueground", "Kara", "Kazuya" and "Sonder

Group vs Counts
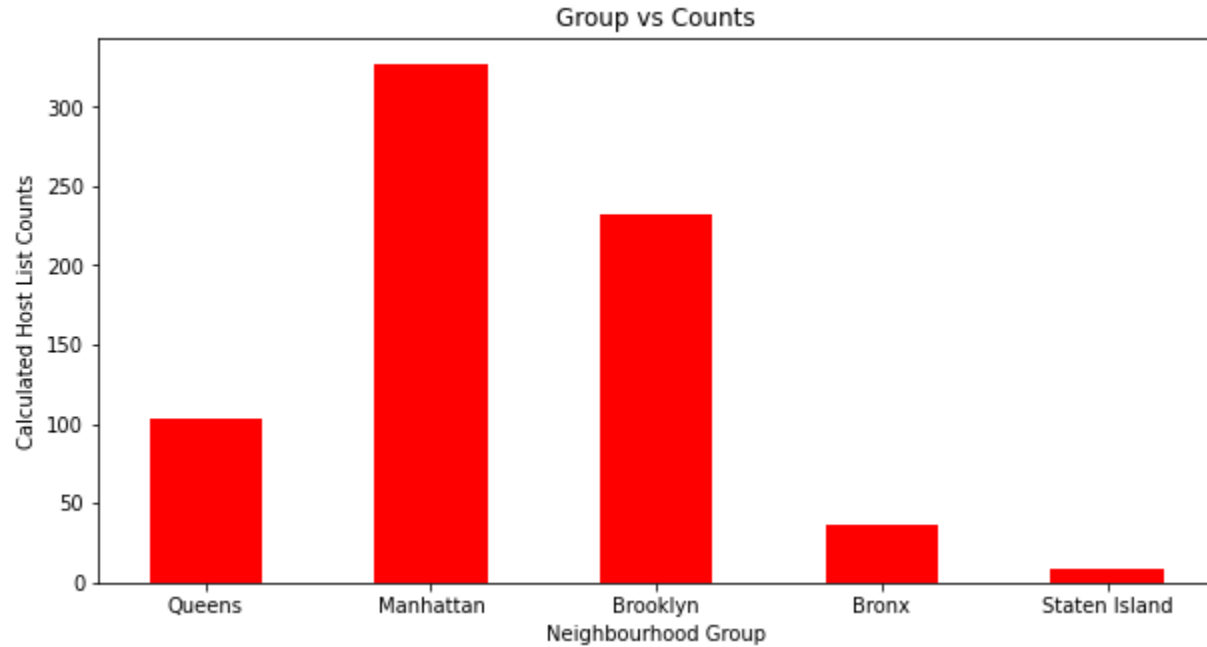
Top three of listings are from "Manhattan", "Brooklyn" and "Queens" followed by "Bronx" and "Staten Island" at 4th and 5th positions respectively.

Relationship between Groups and Review

	neighbourhood_group	number_of_reviews
0	Bronx	321
1	Brooklyn	488
2	Manhattan	607
3	Queens	629
4	Staten Island	333

Location vs Number of reviews
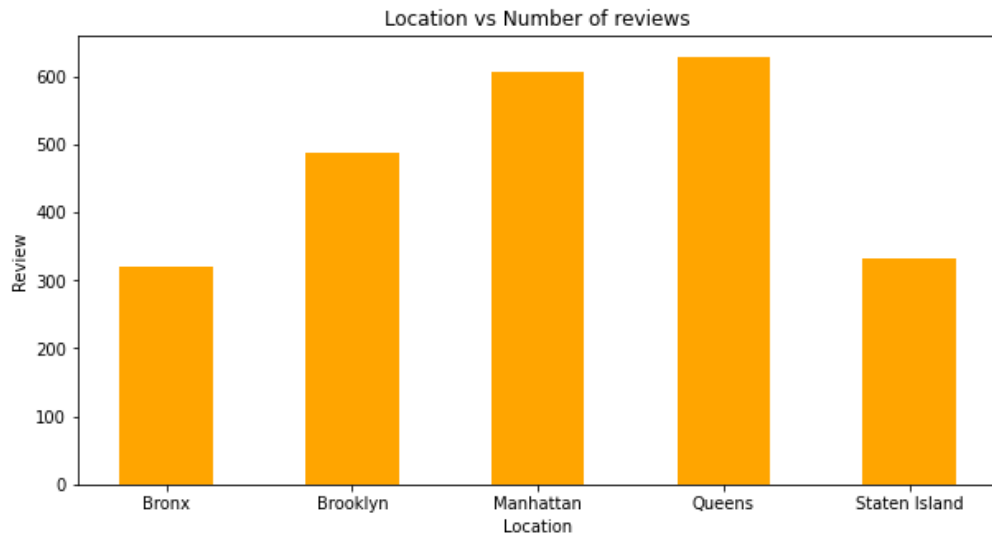
Those who lived in "Queens", "Manhattan" and "Brooklyn" have given most number of reviews respectively.

Relationship between Price and Reviews

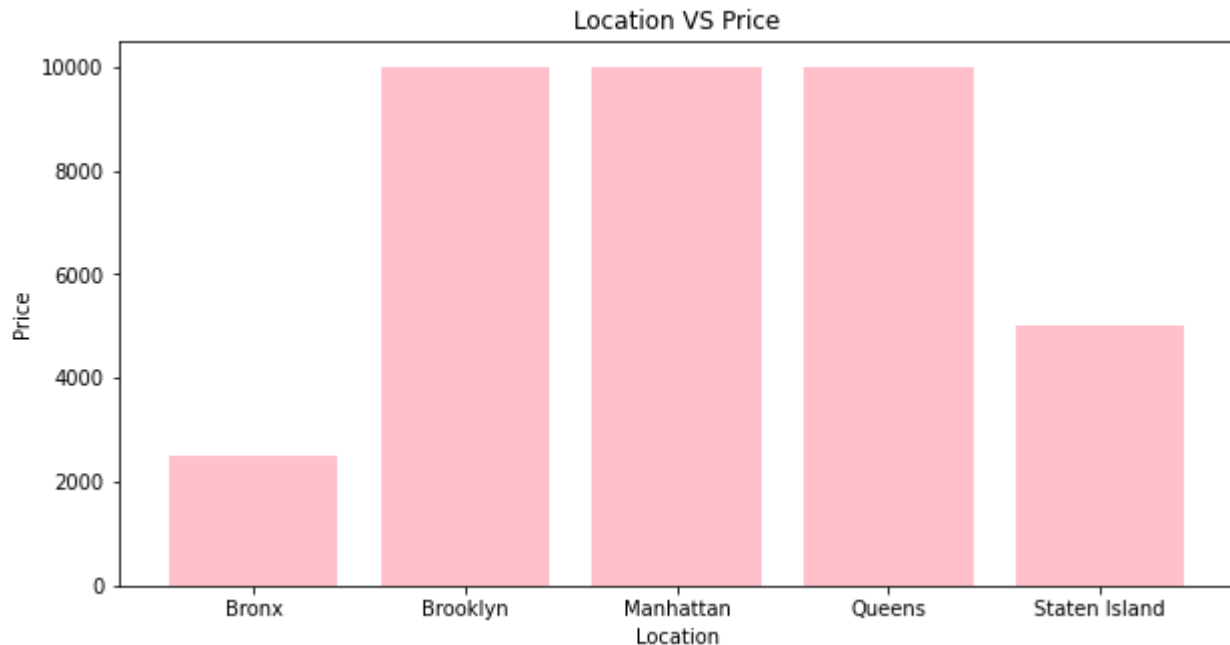|	price	number_of_reviews
0	0	95
1	10	93
2	11	113
3	12	8
4	13	9

Price vs Number of Reviews
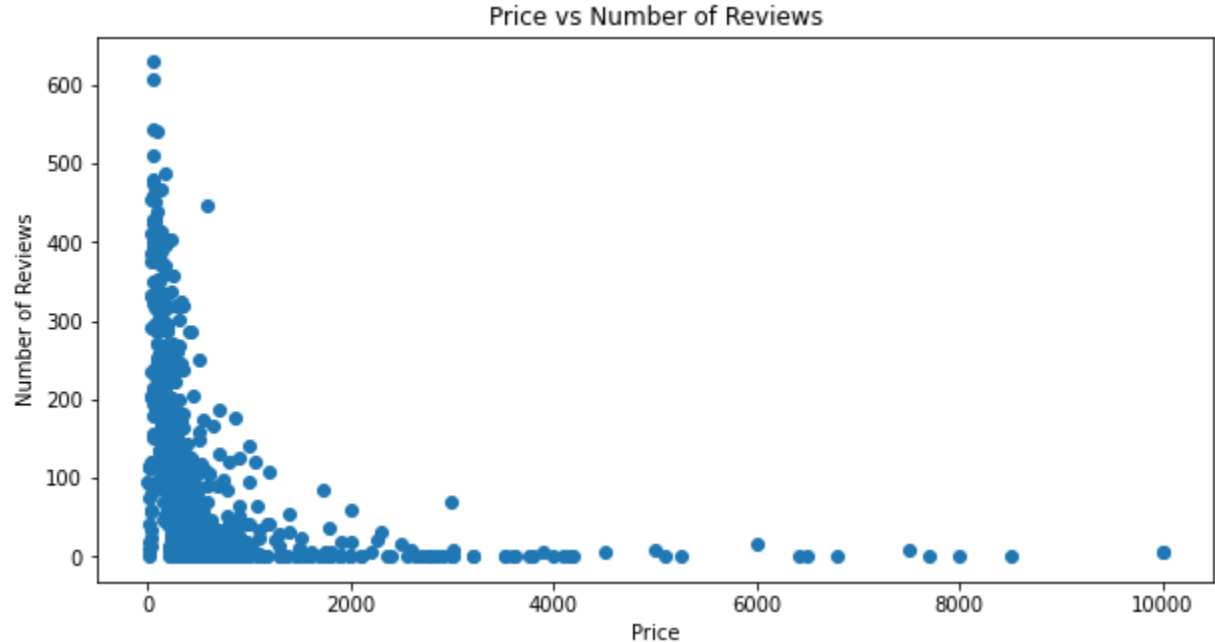
Most number of people **prefer to stay** in place where **price is low**.

Relationship between Groups and Price

	neighbourhood_group	price
0	Bronx	2500
1	Brooklyn	10000
2	Manhattan	10000
3	Queens	10000
4	Staten Island	5000

Maximum price is same for "Brooklyn", "Manhattan" and "Queens", "10,000"

Findings busiest Hosts with Reason:

	host_name	host_id	room_type	number_of_reviews
10279	Dona	47621202	Private room	629
17708	Jj	4734398	Private room	607
25566	Maya	37312959	Private room	543
6235	Carol	2369681	Private room	540
8947	Danielle	26432133	Private room	510
3950	Asa	12949460	Entire home/apt	488
37748	Wanda	792159	Private room	480
22499	Linda	2680820	Private room	474
8625	Dani	42273	Entire home/apt	467
2942	Angela	23591164	Private room	466

Top five busiest hosts are "Dona", "Ji", "Maya", "Carol" and "Danielle".

Customers love to be in "Private Room" and some love to be in "Entire Home/Apt".

Findings busiest Hosts:
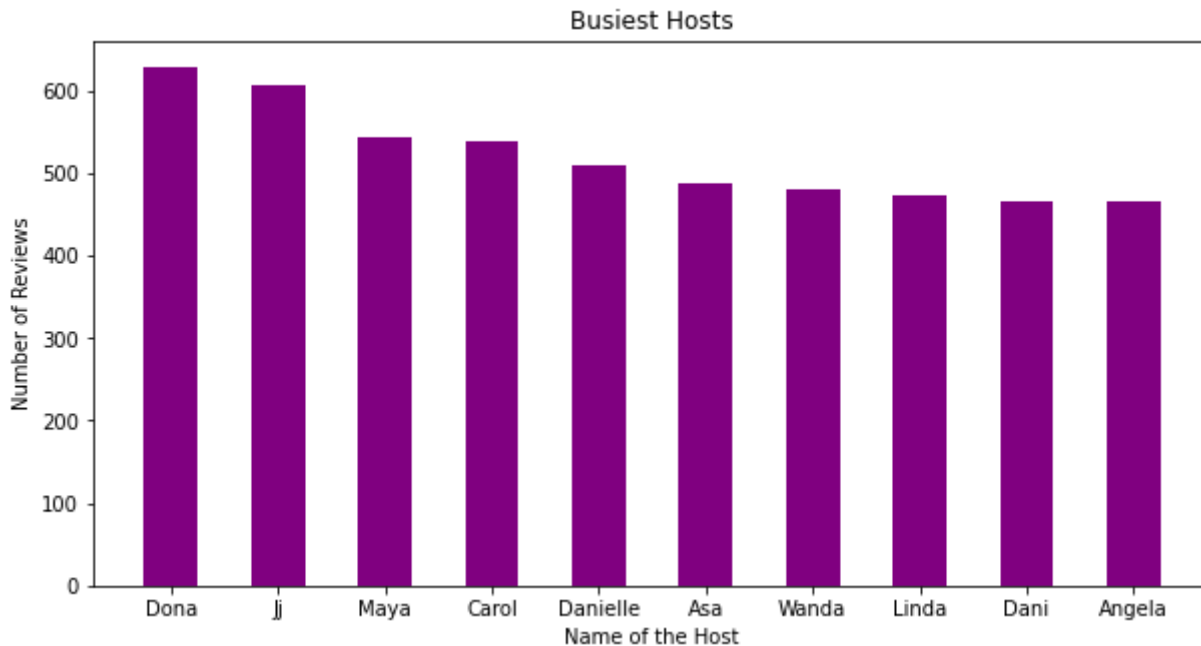

Busiest Hosts

Top **10** busiest hosts have reviews more than **"500"**, only **first two** more than **"600"**

Difference of Traffic with reason:

Most of the people like to stay either in "Entire Home/Apt" or in "Private Room" available
in "Manhattan", "Brooklyn" and "Queens"

	neighbourhood_group	room_type	minimum_nights
6	Manhattan	Entire home/apt	13199
4	Brooklyn	Private room	10132
3	Brooklyn	Entire home/apt	9559
7	Manhattan	Private room	7982
10	Queens	Private room	3372
9	Queens	Entire home/apt	2096
1	Bronx	Private room	652
8	Manhattan	Shared room	480
5	Brooklyn	Shared room	413
0	Bronx	Entire home/apt	379
11	Queens	Shared room	198
13	Staten Island	Private room	188
12	Staten Island	Entire home/apt	176
2	Bronx	Shared room	60
14	Staten Island	Shared room	9

Difference of Traffic with reason:
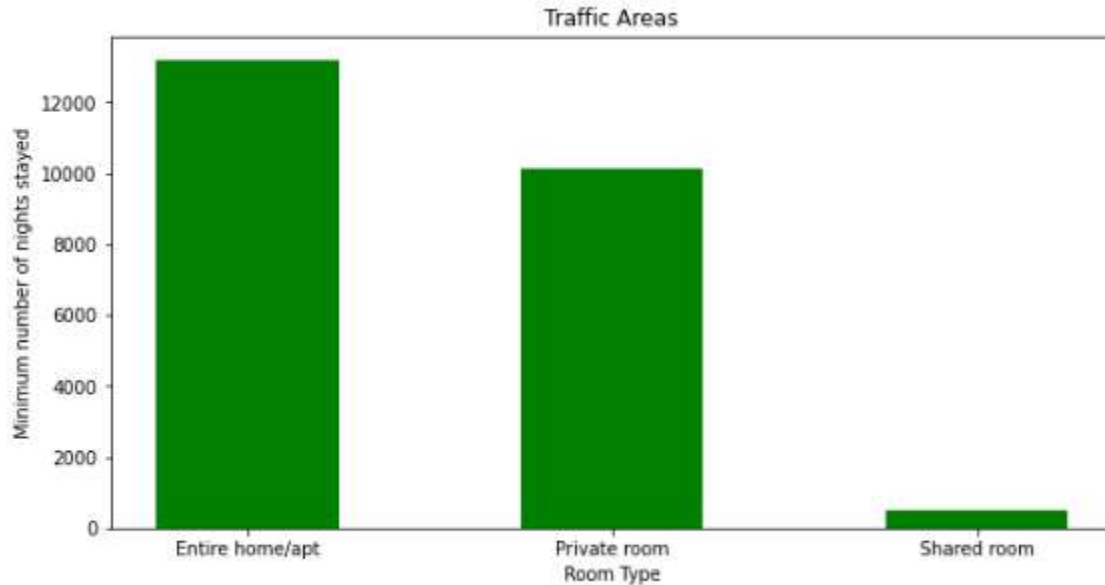
Minimum nights spent in "Entire Home/Apt" is more than "12,000"

Minimum nights spent in "Shared Room" is less than "2,000"

Conclusion:

1. The people who prefer to stay in "Entire Home/ Apartment", they are staying a bit longer in that particular Neighbourhood Only.

2. The people who prefer to stay in "Private Room" they won`t stay longer as compare to Home or Apartment.

3. Most people prefer to pay less price

4. If there are more number of reviews for a particular Neighbourhood Group that means the place is a tourist place.

5. If people are not staying more than one night means they are travellers.

Q & A