About Airbnb

- Airbnb, Inc. is San Francisco, California based company which act as a broker and provides an online marketplace for short-term homestays.

- The company charges a commission from each bookings.

- Aibnb providing it premium service and experience to customers since 2008. Today Airbnb has millions of listings. These listings generates lost of data.

- Analyzing this data become crucial factor for the company. This data can be use for business decisions, marketing, implementations of initiatives, additional services and much more.

- Since 2008, guests and hosts have used Airbnb to expand on traveling possibilities and present more unique, personalized way of experiencing the world.

About Dataset

- This dataset has round 48895 listings and 16 Columns.

- Given dataset contains null values as well which we have to consider while doing analysis. Last_review and reviews_per_month has more null values.

- There are 5 neighbourhood group in which all listings located.

- Nearly 80-85% of listings located in Manhattan and Brooklyn.

- In Manhattan booking price is bit higher as compared to other neighbourhood groups.

- There are 3 kind of room type (i.e Shared Room, Private Room, Entire home/Apt).

- Out of which Shared room are least preferred by the customer even after having less price for booking.

Analysis questions

* Count of reviews per month

* Show total room types

* Find the total number of shared rooms, private rooms, entire home/apt

* Create a slicer for dates to show last reviewed information

* The prices for each neighborhood group

* Create a table for host to check the count of properties been listed for each neighborhood group.

Questions

- 1.In which Neighborhood group there is maximum number of properties listed ?

- 2.Which host has maximum number of properties listed ?

- 3.Which host has maximum properties listed in neighborhood groups having maximum properties listed ?

- 4.What is the average price in different properties listed ?

- 5.What may be the reason of having high price in that neighborhood groups ?

- 6.What is the most preferred room type in the every neighborhood groups ?

- 7.Total availability of properties having different room type?

- 8.Which one is the busiest host ?

- 9.Which property has maximum number of reviews ?

AirBnB Data Analysis

Average of price

$142.4

Max No Of Properties Listed

Manhattan

Max No Of Properties Listed

Michael

host_name	Count of calculated_host_listings_count
Michael	335
David	308
John	250
Alex	229
Sonder (NYC)	207
Sarah	179
Maria	173
Daniel	170
Jessica	170
Anna	160
Chris	157
Mike	157

28-03-2011 📅   **08-07-2019** 📅

Count of Reviews Per Month

38.7K

Bussiest Host

Michael

Most Reviewed Property

Room near JFK Queen Bed

neighbourhood_group	Count of calculated_host_listings_count
Manhattan	16579
Brooklyn	16405
Queens	4540
Bronx	865
Staten Island	311

room_type	Count of reviews_per_month
Entire home/apt	20276
Private room	17581
Shared room	843

Entire home/apt is the most preferred Room type.

room_type	Count of availability_365
Entire home/apt	20276
Private room	17581
Shared room	843
Total	38700

Total availability of room =48726

Analysis

28-03-2011 🗓   08-07-2019 🗓

Room Types

Entire home/apt

Private room

Shared room

room_type	Count of room_type
Entire home/apt	20276
Private room	17581
Shared room	843

Count Of Properties by Neighborhood group

host_name	Bronx	Brooklyn	Manhattan	Queens	Staten Island	Total
Michael	5	127	176	24	3	335
David	3	115	148	38	4	308
John	3	89	127	28	3	250
Alex	4	99	110	13	3	229
Sonder (NYC)			207			207

neighbourhood_group	Sum of price
Bronx	$68,977
Brooklyn	$19,92,755
Manhattan	$29,86,757
Queens	$4,34,994
Staten Island	$28,122

Count of number_of_reviews by Month

January 120, February 80, March 86, April 120, May 182, June 351, July 310, August 72, September 79, October 78, November 76, December 102
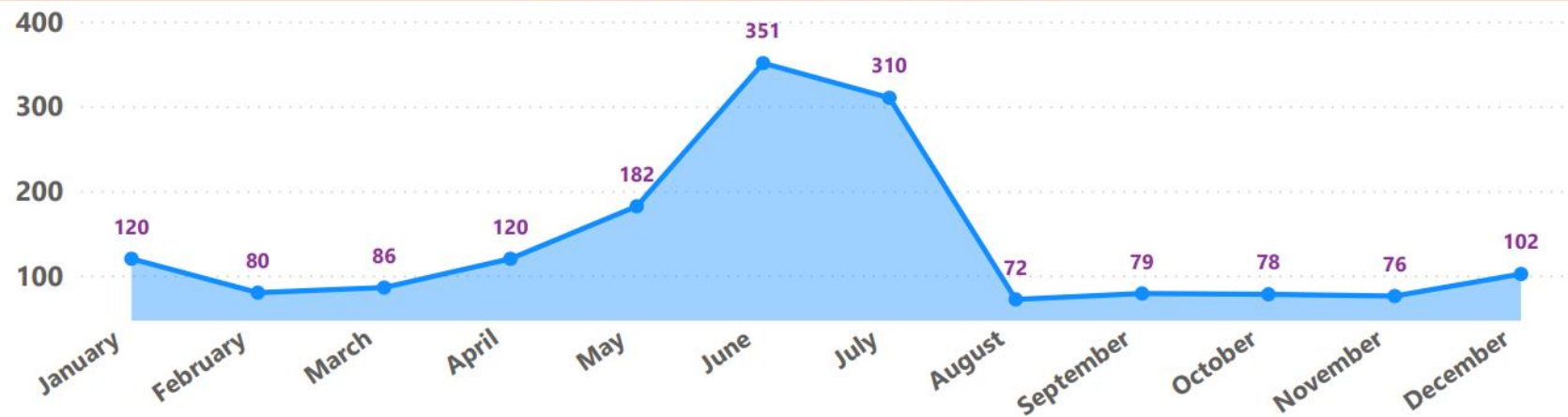
Business Benefits of the analysis

- By analyzing the given data set customer can make several decision about their journey and the location.

- Customer could take idea about expenses for the accommodation and which room to prefer in the particular area during journey.

- Finding the perfect location for night stay and the most preferred airbnb property according to previous customer reviews will be easy.

- This report can attract the customer who wanted to plan a trip but not visited that place before by checking about the location and number of option available for the home stays.

- This report may increase reputation and company revenue growth along with the other businesses by increasing tourism.