

Airbnb Bookings Analysis

Airbnb Booking Analysis is a booking rental booking report for event with 16 columns and 48895 rows. In this EDA project available datasets are id, name, host id, host name, neighborhood group, neighborhood, latitude, longitude, room type, price, minimum nights, number of reviews, last reviews, reviews per month, calculated host listings count, availability 365.

As the first step, perform date wrangling over the raw data and select those columns which are important for analysis. Further, I decided to complete this project into four part i.e. learn different host and areas, analyze location, price and reviews, busiest host and traffic areas.

In the learn different host and areas, mainly focused on calculated host listings count grouping with host name, neighborhood group and display top most listings count, Finally, plot a bar chat to make a visualization for easy to understand.

In the analyze location, price and reviews, make a comparison with name, neighborhood group, room type, price, minimum nights, number of reviews and take max values of price and number of reviews then create bar char for better understanding.

In the busiest host, create a data frame on top busiest host names with neighborhood group, minimum nights and plot a visualization chart.

At the last stage of traffic areas, find traffic neighborhood group, room type compare with minimum nights and make bar chart visualization.

This analysis report helps to understand top most business areas, client's preferable room type and price, high demanding host names and it will create a remarkable contribution to grow this business.

The Conclusion drawn from the analysis that some of the Neighbourhood groups are

Densely listed while others are less dense hence the listings can be increased in those areas. Also the price is a greater factor for booking, people prefer more to less priced property, mostly private rooms/apartments are booked. Thus it could be a suggestion instead of listing full apartment if sharing option can be provided then the booking number can be increased.

Contributor Roles:

1. Sourav Chowdhury -

1. Data Wrangling:
 - Airbnb Booking Dataset.
 - Booking, Reviews, minimum night's numbers.
 - Top most cities.
2. Top most host areas.
3. High chargeable hotel names with respect to area and minimum stay nights.
4. Max review achieved hotel name with respect to area and room type.
5. Busiest host name and traffic areas.
6. Presenting analytical visualization through bar chart.

2. Anshu Gangwar –

1. Collecting Information Regarding Airbnb ,Business Model, Revenue, and founders.
2. Data Cleaning:
 - Removing null values.
 - Removing unnecessary columns.
3. Doing Basic EDA.
4. Calculating count of listings from different groups.
5. Price Vs Number of reviews ,Plotting graphs.
6. Busiest Host and reason.
7. Writing Conclusion
8. Uploading on github.

GitHub link: <https://github.com/anshu57/Airbnb-booking-analysis>

Drive Link:

https://drive.google.com/drive/folders/1bpd6_5T0tTce3CAP_iRTnI91bgvkPq28?usp=sharing