

CAPSTONE PROJECT-1

SUMMARY

ON

AIRBNB BOOKING ANALYSIS

Team Member's Name, Email and Contribution:

1.Shadab Husain

Email:shadabhusain4224@gmail.com

Project Contribution:

- 1.Handled Null values, dropping unwanted columns(last review, reviews per month, name)
- 2.check the rows whose price is zero, replace the zero price to mean price.
- 3.Analysis on location prefer by guest
- 4.Analysis on number of hotels
- 5.Analysis against neighbourhood group
- 6.Analysis on Average price of room and Average of minimum night stayed
- 7.Analysis on Availability of room according to different neighbourhood group
- 8.Analyzing the revenue in neighbourhood group
- 9.Plot the graph

2.Istekhar Ansari

Email:istekhar072@gmail.com

Project Contribution:

- 1.Handled Null values, dropping unwanted columns(last review, reviews per month , name)
- 2.Check Description and basic info of the data
- 3.Analysis on location prefer by guest
- 4.Analysis on most popular neighbourhood
- 5.Analysis against neighbourhood group
- 6.Analysis on Average price of room and Average of minimum night stayed
- 7.Analysis on Availability of room according to different neighbourhood group
- 8.Adding comments

Please paste the GitHub Repo link.

Github Link:- <https://shaad4224.github.io/Airbnb-Booking-Analysis/>

Project Summary:

Airbnb is an American company since 2008. It is an online marketplace that connect peoples who want to rent out their homes with people who are looking for accomodations at specific location . On the other hand, this plateform enable host to list their available space and earn extra income in the form of rent and it also ensemble travelers to book unique homestays from local host and saving the money and give them to interact with the locals. we would like to perform an analysis in depth against the neighbourhood group ,number of hotels, and location prefer by guest .Our dataset feature containing host name, id, neighbourhood group, availability, prices, room type. From these features we have tried to extract information like average price and count of neighbourhood group, most popular neighbourhood and minimum night stayed, which location prefer by guest etc.

We have handled null values, replace the null price to mean price and drop some column like last review , host etc. which is not too much use and it has high null values. Also we have plotted some bar chart and pie chart for visualizing the top most neighbourhood and count of neighbourhood group and with the help of chart we visualize the availability of room and average of minimum night stayed.