Project Summary

# Capstone Project 1

## EDA of AirBnb Bookings Analysis

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* Made the Google Colab notebook with the help of Google Drive data connectivity, data cleaning, data manipulation, and EDA Visualization.
* Development of the business objective and problem statement along with the relevant questionnaire for the business objective.
* Solved all the questions and also created visualization in the Google Colab.
* Created the design and contents of Technical Documentation and ensured that everything is covered in the documentation.
* Created the project summary to ensure all the points were covered.

| Github Link: <https://github.com/Chetan1207/EDA-Project-on-AirBNB.git> |
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| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches, and your conclusions. (200-400 words):** Airbnb, Inc. is an American company that operates an online marketplace for lodging, primarily homestays for vacation rentals, and tourism activities. Based in San Francisco, California, the platform is accessible via website and mobile app.Since 2008, guests and hosts have used Airbnb to expand on traveling possibilities and present a more unique, personalized way of experiencing the world. Today, Airbnb became one of a kind service that is used and recognized by the whole world. Data analysis on millions of listings provided through Airbnb is a crucial factor for the company. These millions of listings generate a lot of data - data that can be analyzed and used for security, business decisions, understanding of customers' and providers' (hosts) behavior and performance on the platform, guiding marketing initiatives, implementation of innovative additional services and much more. In this project, I dig deep into the datasets by doing an Exploratory Data Analysis to see certain patterns that can be helpful for businesses in their profits and causes that lead some hosts to become less profitable.  I began by in-depth cleaning the datasets and then merged them to create one dataset. After that, I did a generalized analysis to get numerous insights. I particularly focussed on client behavior and what components affect the client to choose a particular location and with a particular host. In this dataset, we see several data like hostname, host id, latitude, longitude, reviews, list count, minimum nights, room type, neighborhood or neighborhood group, price, and availability 365 days. After analyzing all the insights we find some correlation between several things and causes and also solutions for that which will help in business problems. |
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