**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

|  |
| --- |
| **Team Member’s Name, Email and Contribution:** |
| **Name :** PRETESH AGARWAL  **Email:** [agarwalpretesh@gmail.com](mailto:agarwalpretesh@gmail.com)  **Contribution :**  I made this capstone project individually.   1. So, first I gathered some knowledge about Airbnb company. After, that I worked on data preparation part in which we dropout some columns specifically which were not required for a particular task.   Then, I started with EDA part and successfully completed all the 4 tasks.   1. Created a power point presentation (ppt), which consists of all the data information, and results we got from the analysis, etc. |
| **Please paste the GitHub Repo link.** |
| Github Link:- <https://github.com/Link/to/Repo> |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)**  **Problem Statement:**  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.  This data set has around 49,000 observations in it with 16  columns and it is a mix between categorical and numeric values. |
| **Approaches:**  Airbnb dataset-2019 appeared to be a very rich data set with a variety of columns that allowed us to do deep data exploration on each significant column presented.   * First, we have found hosts that take good advantage of the Airbnb platform and provide the most listings; we found that our top host has 327 listings. After that, we proceeded with analyzing boroughs and neighbourhood listing densities and what areas were more popular than another. * From the entire analysis on Airbnb bookings analysis, our assumptions before analysis went totally different after getting results from the analysis. The whole EDA process gave very fascinating results and insights that will be helpful for business development and expansion, budget allocations and focusing on things people prefer.   **Conclusion:**   * The people who prefer to stay in entire home/apartment they are going to say a bit longer in that particular neighbourhood only. * The people who prefer to stay in private room they won’t stay longer as compared to home/apartment. * Most people prefer to pay less price. * If there are more number of reviews for particular neighbourhood group that means that place is a tourist place. * If people are not staying more then one night means they are traveller. |