**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

|  |
| --- |
| **Team Member’s Name, Email and Contribution:** |
| **Name** : Kabeer Pande  **Email** : [kabeerpande7075@gmail.com](mailto:kabeerpande7075@gmail.com)  **Contribution:**  Colab notebook  Project summary  Technical documentation  Project presentation  Presentation video |
| **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)** |
| **Airbnb, Inc. is an American company that operates an online marketplace for lodging, primarily homestays for vacation rentals, and tourism activities. We have been assigned a single dataset ‘df’ of the New York City Airbnbs containing 48895 rows and 16 columns.**  **After importing the libraries and the dataset I did data wrangling over raw dataset. I got an insight into the data and figured out how many null values and outliers are in my dataset. I replaced them with mean value of their respected columns.**  **Once I cleaned the dataset, I moved forward with plotting the data using matplotlib and seaborn into various graphs considering different factors. It got me a much better insight into the dataset. Now I know which neighbourhood is the busiest or the most expensive, I know about the hosts and their popularity and many more facts which I have shared in the presentation.**  **For the use case, in the first step I filtered the dataset in according to our client’s constraints. My focus was to look for an Airbnb with good reviews in a quiet neighbourhood within our clients’ budget.**  **Queens turned out to be the ideal destination for our client because a lot of top reviewed Airbnbs fitting our client’s requirement were from Queens.** |