**Capstone Project Submission**

**Instructions:**

**i) Please fill in all the required information.**

**ii) Avoid grammatical errors.**

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| **Team Member’s Name, Email and Contribution:**  **1.Lavanya jillella (lavanyajillella56@gmail.com)**  **1. Data Processing**  **2. Data Wrangling**  **3. Data Cleaning**  **4. Removing total null values in the data set.**  **5. Heatmap for null values.**  **6. EDA - data wise analysis**  **7. Bar graph to check which host is with the most listings in NYC**  **8.Pie chart to show the percentage of reviews in neighborhood groups.**    **2.Lokesh kumawat (kumawatcool1@gmail.com)**  **1.Data wrangling**  **2.Checking missing values**  **3.Data analysis**  **4.Scattor plot to check price vs number of reviews**  **5.Bar graph to check which hosts are busiest and why**  **6.Finding the traffic areas**  **7.conclusion**  **Please paste the GitHub Repo link.**  **Github link: http://github.com/llllava/airbnb-booking-analysis.git**  **Please write a short summary of your Capstone project and its components. Describe the problem**  **statement, your approaches and your conclusions. (200-400 words)**  **The data set contains airbnb booking. We analyzed the data and checked the null values. Later we removed all null values . Then we try to find the answers to these questions.**  What can we learn about different hosts and areas? What can we learn from predictions? (ex: locations, prices, reviews, etc),Which hosts are the busiest and why?Is there any noticeable difference of traffic among different areas and what could be the reason for it?  After analysis the data we found answers to these questions.  1. Manhattan has the most number of listings, followed by Brooklyn and Queens. Staten Island has the least number of listings.  2. Manhattan and Brooklyn make up for 87% of listings available in NYC.  3. Brooklyn and Manhattan are the most liked neighborhood groups by people.  4. Queens has significantly less host listings than Manhattan. So, we should take enough steps to encourage host listings in Queens.  5. The maximum demand is for private rooms and the entire home/apartment. People are more interested in cheaper rentals. |
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