**EDA on Airbnb bookings**

**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. Upasana Kumari:   [toupasana@gmail.com](mailto:toupasana@gmail.com)   1. Analyzing the problem statement 2. Dataset Observation 3. Collecting information about New York city (NYC) 4. Exploring new python packages 5. Data Preparation/Wrangling on Airbnb dataset 6. Visualizing the data using python libraries and giving insights (story) on the data. 7. Visualizing the data using Excel and Tableau and Find out our required conclusions 8. ArunTeja Lonka:   [arunteja.lonka@gmail.com](mailto:arunteja.lonka@gmail.com)   1. Analyzing the problem statement 2. Observing the Dataset 3. Collecting information about Airbnb 4. Exploring new python packages 5. Data Wrangling on Airbnb dataset 6. Create an imaginary story to explain the data more effective manner 7. Focusing on some question like Which hosts are the busiest and why? 8. Visualizing the data using python libraries 9. Visualizing the data using Excel and Tableau and Find out the our required conclusions 10. Abriti Nanda   [abriti.srivastava12@gmail.com](mailto:abriti.srivastava12@gmail.com)  1. Analyzing the problem statement  2. Collecting information about geography New York city  3. Exploring new python packages  4. Data Wrangling on Airbnb dataset  5. Visualizing the data using python libraries  6. Visualizing the data using Excel and Tableau and Find out our required conclusions |
| **Please paste the GitHub Repo link.**  **https://github.com/toupasana/Exploratory-Data-Analysis** |
| **Google Drive link:**  https://drive.google.com/drive/folders/1lJ69OxFITIMflzuNcsfooTRVX89biZjA |
| **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 dataset-2019 appeared to be a very rich dataset with 16 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; after that we found that our top host has 327  listings. Then we proceeded with analyzing boroughs and neighborhood  listing densities and what areas were more popular than another.  The people who prefer to stay in Entire home or Apartment they are going to stay  a bit longer in that particular Neighborhood only.  The people who prefer to stay in Private room won't stay longer as compared to  Home or Apartment.  Most people prefer to pay less price.  If there are a more number of Reviews for a particular Neighborhood group  that means that place is a tourist place.  If people are not staying more than one night it means they are travelers or visitors.  We proceeded with analyzing boroughs and neighborhood listing densities and  what areas were more popular than another?  From the entire analysis on Dataset, 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. |