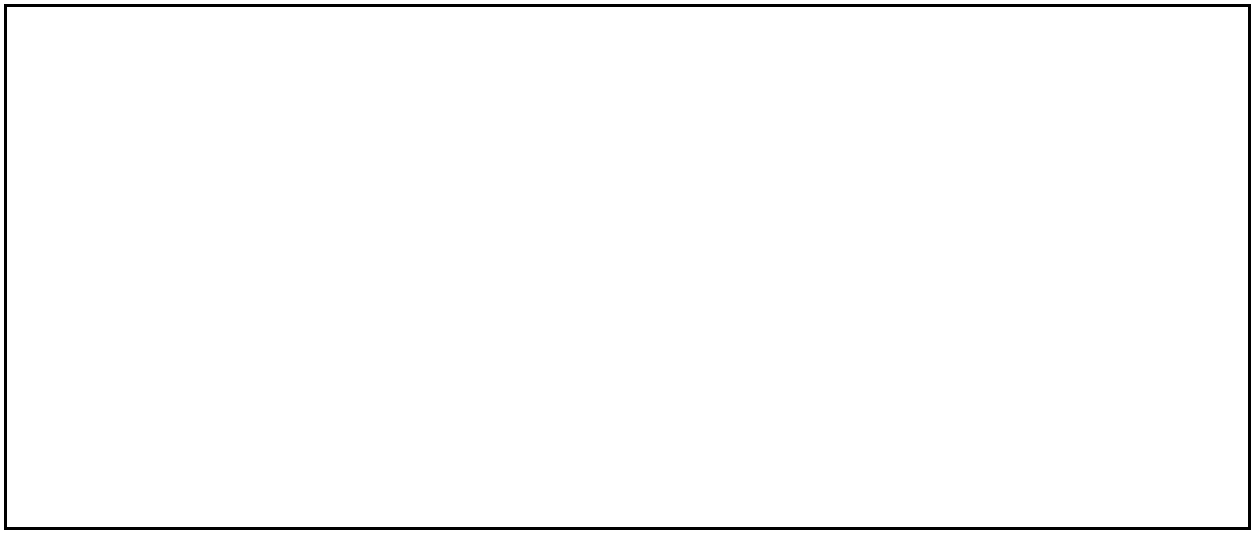
Capstone Project Submission

Instructions:

i) Please fill in all the required information.

ii) Avoid grammatical errors.

Team Member's Name, Email and Contribution:
Beesa Sri Sai Meghana Goud sriganesh908@gmail.com Neha Pasi nehapasi05@gmail.com
Please paste the GitHub Repo link.
Github Link:- https://github.com/haynapasi050505/EDA-team-capstone-project-1
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 is an online marketplace connecting travelers with local hosts. On one side, of the platform enables people to list their available space and earn extra income in the form of rent. On the other, Airbnb enable travelers to book unique home stays from local hosts, saving them money For this project I have the Airbnb dataset with approximately 49000 rows and 16 columns. Firstly, I performed data wrangling over the raw data for further analysis. Then I analyzed the numerical and categorical columns of the dataset. Further I analyzed the price, count of room types, availability, number of night stays and top hosts. For room types, I find the average price of every room type in different neighborhood groups. Through this I made conclusions over the price and expensive neighborhood group. For availability, I find the availability of listings in different neighborhood group. This helped in identifying the busiest neighborhood group. For number of night stays, I find the average number of night stays in a particular room type in different neighborhood group, which help to identify which room type is preferred in a particular neighborhood group. For top hosts, I find the top 10 hosts according to their count of listings in NYC which help to identify the variation of listing counts between top hosts and to identify maximum listing by a particular host. Through the word cloud, I identified the most use words by hosts in the name of their listings, which can help the new host for naming their new listings.