**Capstone Project Submission**

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| **Team Member’s Name, Email and Contribution:** |
| **1. Sangamesh Chandankera**  Email: -sangameshchandan@gmail.com  Mob: - 8904920134  **Contribution: -**  1. Data Wrangling.  2. Exploring and Visualizing the data.  3. Airbnb Rentals by Room Type.  4. Airbnb Rentals by Neighbourhood\_group.  5. Price Distributions.  6. Top twenty hosts with most listings.  7. Top ten most popular neighborhoods for rent.  **2. Sagar Malik**  Email: -sagarmalik2582@gmail.com  Mob: - 9560203146  **Contribution: -**  1. Data Wrangling.  2. Exploring and Visualizing the data.  3. Airbnb Rentals by Room Type.  4. Airbnb Rentals by Neighbourhood\_group.  5. Prize distribution across neighbourhood\_group with and without outliers.  6. Checking the prize distribution using latitude and longitude information to find the price of rent. |
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| GitHub Link :- https://github.com/sagar2582/CapstoneProject-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)**  A bed and breakfast(bnb) are a small lodging establishment that offers overnight accommodation and breakfast. Bed and breakfast is also used to describe the level of catering included in a hotel’s room prices, as opposed to room only, half-board or full-board.  New York city is a heavy user of the air\_bnb facility with some locations. The resources available for staying at a bed and breakfast facility in New York city, where in the city they are located, how the accommodations provide for individuals or families.  we analyzed a dataset of 48895 airbnb rental properties throughout the New York city area. What kind of factors will affect the price listing of a property?  Is it more important to be in certain neighborhoods?  we chose to exclude the following variables from our models: name, host name, last review These were left out because either they were unique to individual listings or they were linked to specific users and thus wouldn’t accommodate well to new renters.  For reviews per month, missing values most likely do not mean that the data points were not recorded but that they don't exist, a contrast I've learned to appreciate when dealing with missing values. these instances were filled in with 0.  In this project, we explored the availability, pricing and location of various B & B’s in dataset of NYC. We found that there were more affordable prices. We were also able to map the locations of various B & B types throughout Manhattan. |