

# Capstone Project Submission

## Instructions:

- i) Please fill in all the required information.
- ii) Avoid grammatical errors.

**Team Member's Name, Email and Contribution:**

## Contributor's Role:

### **1. Parth Sharma**

**Email:** [parthsharma01197@gmail.com](mailto:parthsharma01197@gmail.com).

#### **Contribution:**

- Understanding the basics of the Airbnb Dataset.
- Data Wrangling on the Airbnb Dataset.
  - Discovering.
  - Structuring.
  - Cleaning.
  - Validating.
- Data Visualization on the Airbnb Dataset.
- Conclusion drawn from the dataset.

**Please paste the GitHub Repo link.**

Github Link:- <https://github.com/ParthSharma1197/EDA-CAPSTONE-AIRBNB>

**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 as in “Air Bed and Breakfast,” is a service that lets property owners rent out their spaces to travellers looking for a place to stay. Travellers can rent a space for multiple people to share, a shared space with private rooms, or the entire property for themselves.

The dataset provided for the analysis possesses the data for the Airbnb across the NYC. It has different hosts with their unique host ID which neighbourhood do they belong to and what neighbourhood group it falls in with the number of reviews a particular host got with the availability throughout the year. Throughout this EDA project we will be exploring the data set and get the insights from that.

The most important and initial step of any analysis is to dig deep beneath into the data i.e. Data Wrangling. Through, data wrangling I tried to learn the most from the data through some structured steps like discovering the data, structuring, cleaning.

With this data set I tried to find which neighbourhood group has the maximum number of Airbnb, where the availability if the Airbnb is maximum throughout the year, the most expensive neighbourhood, the preferred room type, the number of reviews.

These conclusions can help the business to take certain decisions like, what room type to promote in a particular neighbourhood and how lack of availability rooms is affecting the business and other decisions from various conclusions.