

# Data Methodology for PPT 01

## Step 1: Storyboarding

- Examined the data to become acquainted with it and made a note of any significant fields.
- Made a mental map of the presentation's different slides.
- Enumerated all the characteristics for which graphs and charts must be plotted.

## Step 2: Data Wrangling

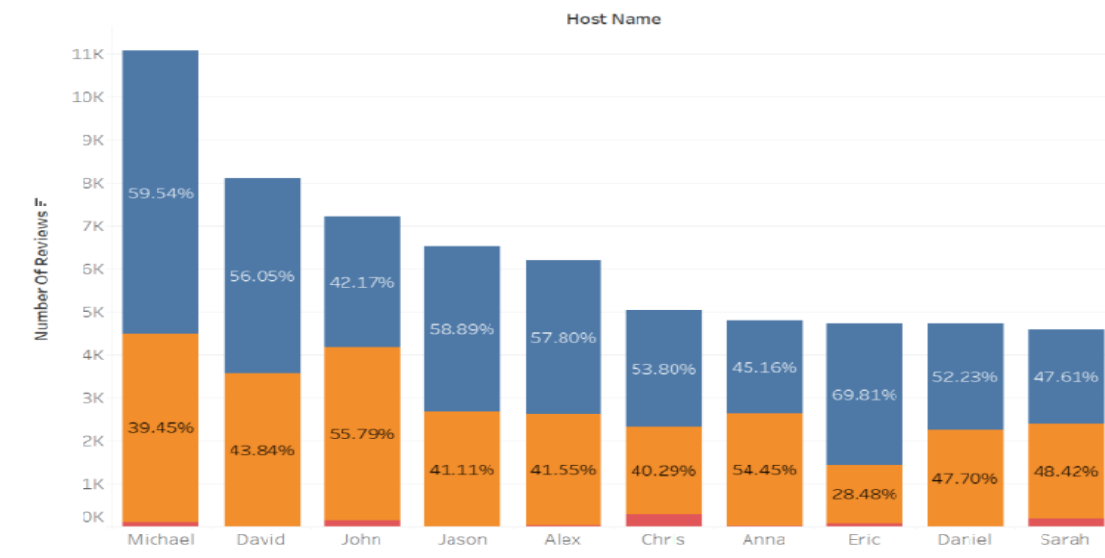
- Imported the dataset in Python Notebook and go through the all the columns.
- Also checked the missing values in all the columns.

```
id          0
name        16
host_id     0
host_name   21
neighbourhood_group  0
neighbourhood  0
latitude    0
longitude   0
room_type   0
price       0
minimum_nights  0
number_of_reviews  0
last_review 10052
reviews_per_month 10052
calculated_host_listings_count  0
availability_365  0
dtype: int64
```

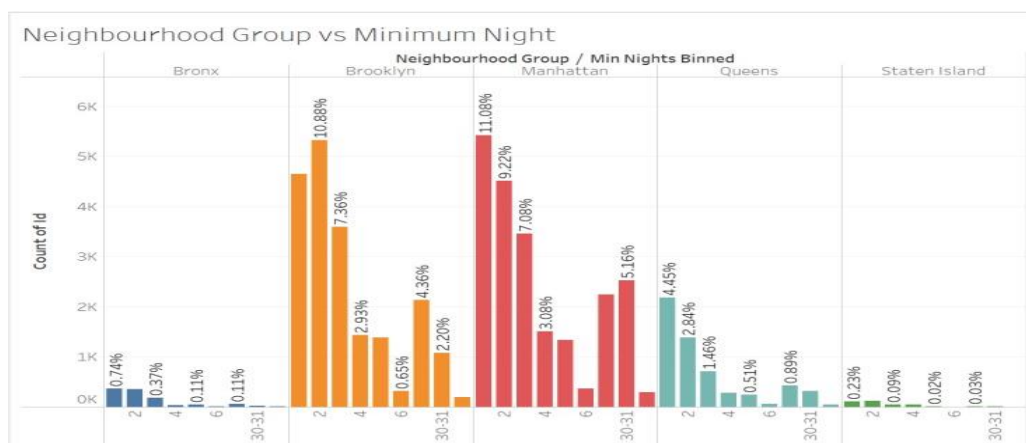
- Treated Missing values by using Python & attached the Python Notebook in zip file.
- Used Tableau to further visualize the modifications that were exported to a CSV file.
- Created some grouped field & calculated field.

### Step 3: Data Analysis

- Over half of the hosts prefer to rent out the full home or apartment.
- Private rooms and the complete home or apartment appear to be popular (more than 90% evaluations).
- Shared rooms have the fewest reviews out of all the listed properties.



- Because Manhattan and Brooklyn are pricey locations, 20% of reservations are made there.
- Most guests choose to stay for less than three nights.
- Only 10% of individuals choose renting in the Bronx, the poorest borough, whereas Staten Island is continuously developing.



- Also attaching the Tableau workbook in zip file.

## **Step 4: Presentation**

- Made the presentation using the pyramid approach and best practices.
- The people watching this are the **Data Analysis Managers & Lead Data Analyst**
- Added recommendations for the respective departments.