

# Guest Satisfaction prediction

## Objective:

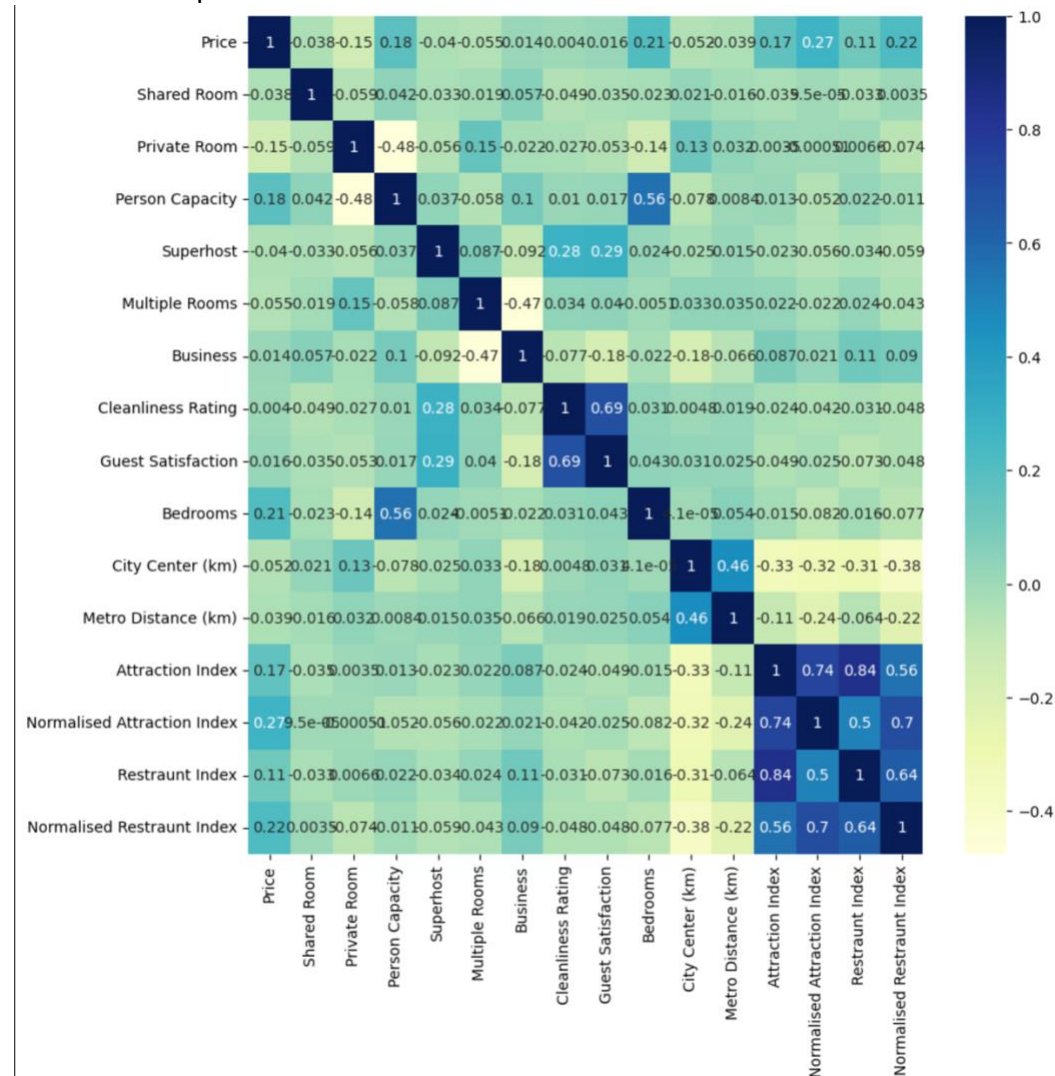
The objective of this project is to develop a machine learning model that accurately predicts the Guest Satisfaction score based on various features such as cleanliness, Superhost, and other relevant features

## Preprocessing:

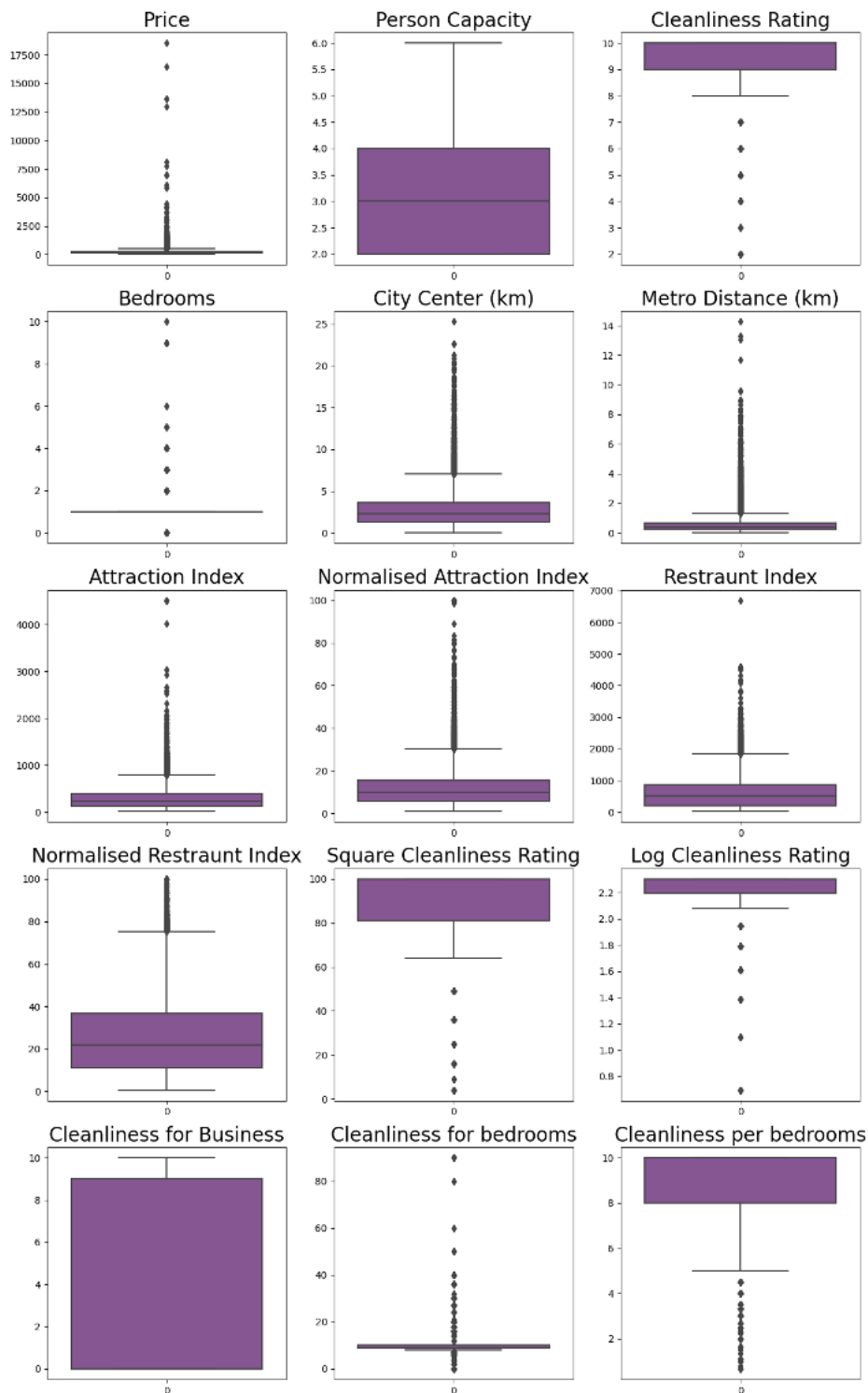
1. Data Cleaning: Remove any duplicates, null values.
2. Feature Selection: Identify and select the most important features that contribute to the prediction of guest satisfaction.

## Findings:

After obtaining the correlations between features and target, we present them in the below heatmap



The heatmap indicates a strong correlation between cleanliness and our target variable, Guest Satisfaction. This suggests that our model may rely on cleanliness as a predictor for predicting Guest Satisfaction.



## Future work

Fine-tune the model: Once the initial MVP is built, the machine learning model can be fine-tuned to further improve its accuracy and performance