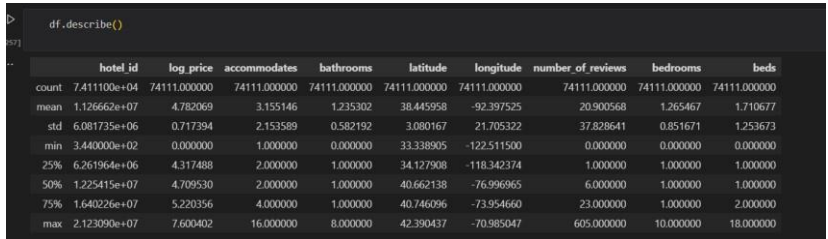


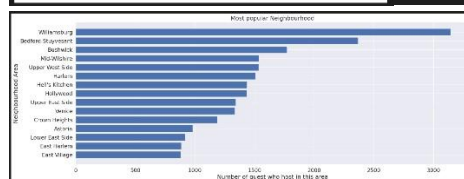
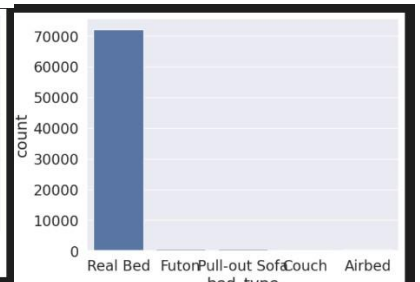
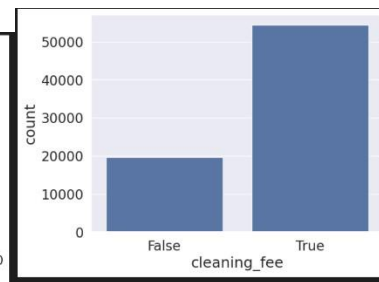
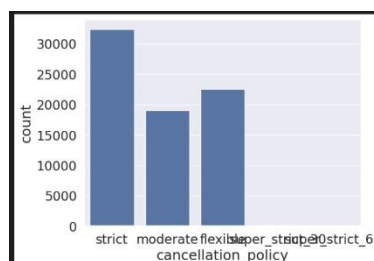
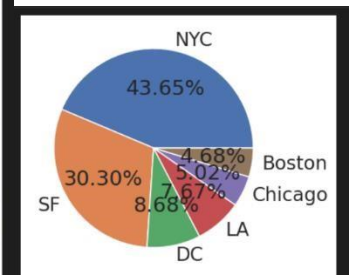
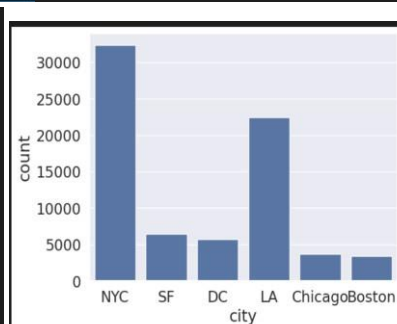
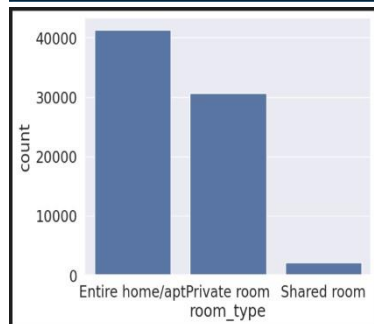
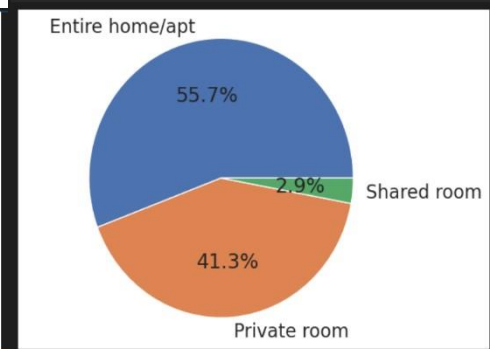
Data Collection and Preprocessing Phase

Date	18 JULY 2024
Team ID	739829
Project Title	Unveiling Airbnb Price Patterns: Machine Learning For Forecasting
Maximum Marks	6 Marks

Data Exploration and Preprocessing Report

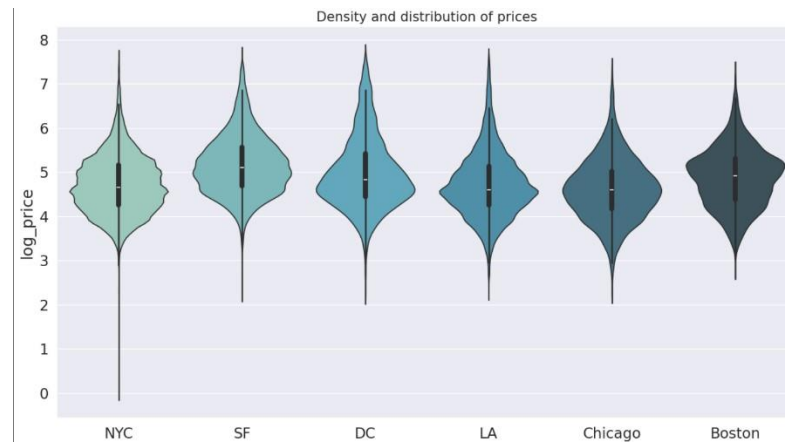
Dataset variables will be statistically analyzed to identify patterns and outliers, with Python employed for preprocessing tasks like normalization and feature engineering. Data cleaning will address missing values and outliers, ensuring quality for subsequent analysis and modeling, and forming a strong foundation for insights and predictions.

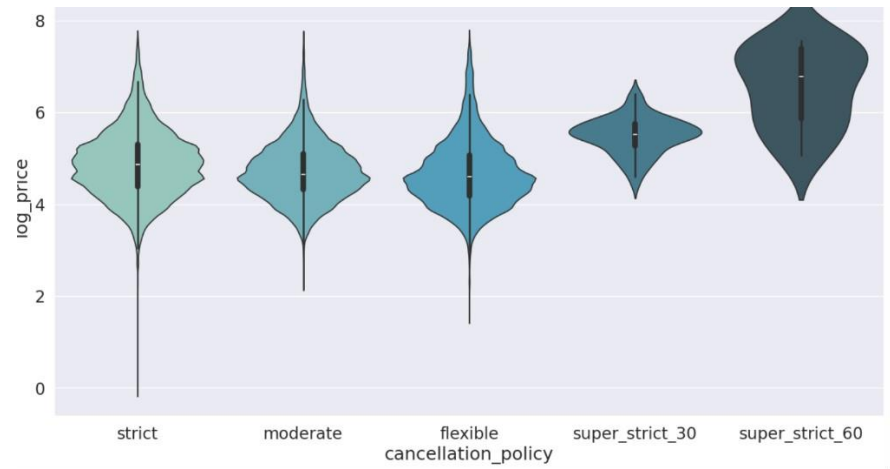
Section	Description
Data Overview	<p><u>Dimension:</u> 614 rows \times 13 columns</p> <p><u>Descriptive statistics:</u></p> 



Univariate Analysis

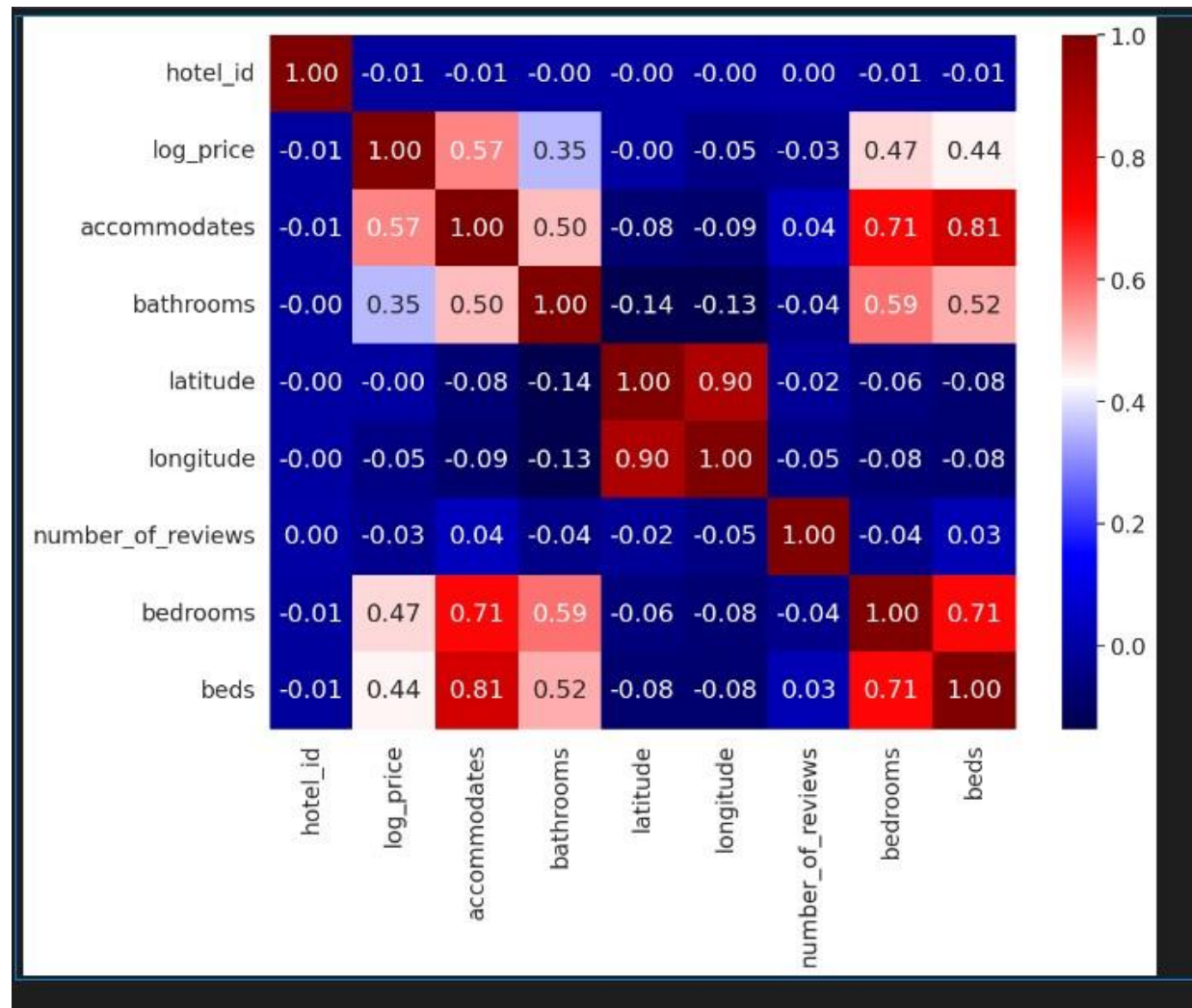
Bivariate Analysis



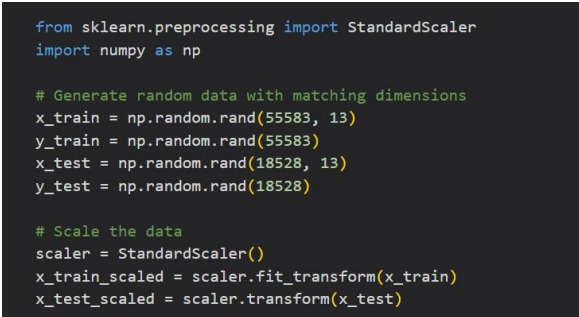




Multivariate Analysis



Outliers and Anomalies	-
Data Preprocessing Code Screenshots	

Loading Data	
Handling Missing Data	
Data Transformation	
Feature Engineering	Attached the codes in final submission.
Save Processed Data	-