Abstract

The goal of the project is to help New-York-City-Airbnb, to know the advantages offered by hotels in influencing reservations and prices Open data was handled at https://www.kaggle.com/dgomonov/new-york-city-airbnb-open-data,To study these features and their impact on evaluation and prices, many tools were used to clarify the goal

Design

Since 2008, guests and hosts have used Airbnb to expand on traveling possibilities and present more unique, personalized way of experiencing the world. This dataset describes the listing activity and metrics in NYC, NY for 2019.

Data

The dataset includes 16 columns and more than 40,000 rows, The most important of them are price, neighborhood, and evaluation.

It differs between numeric and category, This information helped an adequate understanding of the database.

Algorithms

The data was cleaned ،The outlier was found and solved

The relationship between prices and neighborhoods was studied, as well as knowing which type of rooms visitors prefer and knowing if the evaluation is affected by the neighborhood or the price.
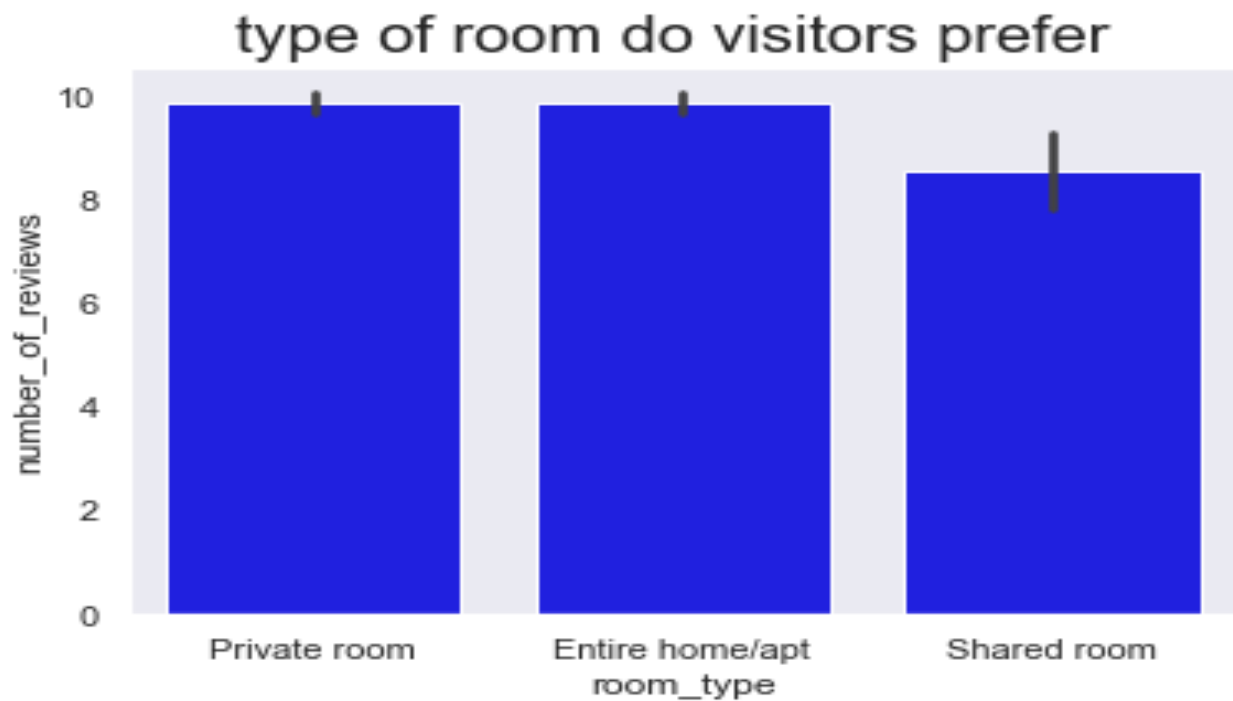
Tools

Puthon , NumPy, Pandas,Matplotlib,seaborn

Communication

- ■ the relationship between the increase and decrees of prices by neighborhood.

Price for each neighbourhood group

■ What types of rooms do visitors prefer.

type of room do visitors prefer

■ Do the price and the neighborhood in which the hotel is located affect the evaluation

number_of_reviews