Introduction

Data Science (DS) is a data science company specializing in data analytics and data science. We provide breakthrough and effective solutions and help clients to achieve their own goals through the utilization of data to improving performance, building forecasting models for better decisions making and solutions.

Problem Statement

Market: is a small company expand its business in real estate at New York and San Francisco City. In this project, DS company will analyze the Airbnb data for each city to find the best locations. Hence, recommending the best location for the new branches so that market company, can achieve their goals to expands in to real estate. The value for the company is to improve the quality of service provided, which leads to client satisfaction.

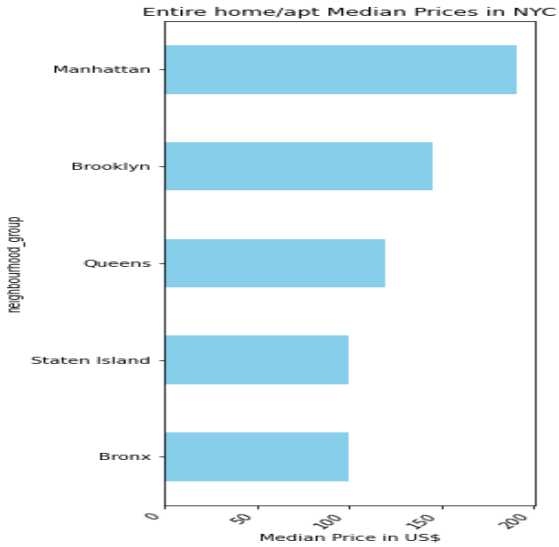
Data Description

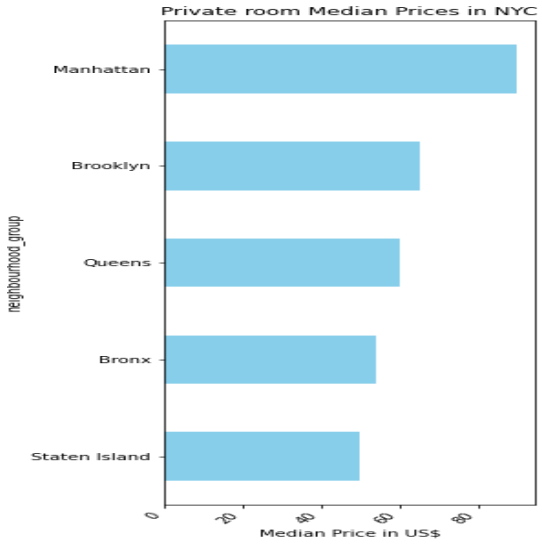
I will be using the "Analysis of NYC and SF Airbnb Data" Dataset from Kegler: New York City Airbnb Data here: the dataset has 48895 numbers of rows and 16 numbers of feature/columns. San Francisco City Airbnb Data here: the dataset has 8111 numbers of rows and 106 numbers of feature/columns.

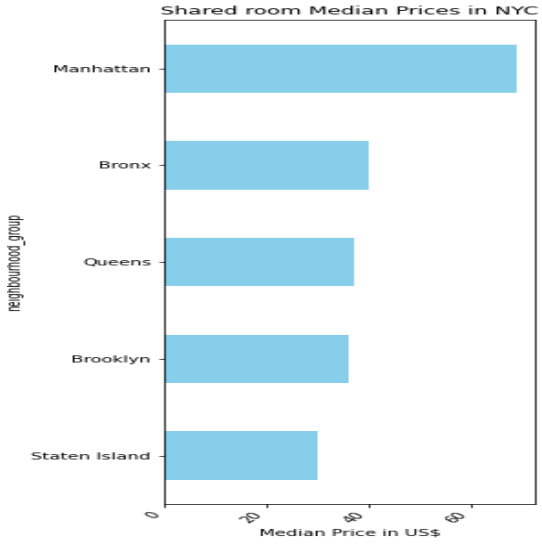
What is the room types and price for each state?

According to the chart showing the average price by location for each state. It is obvious that the highly rated locations would also tend to be costly this is because in the case of constant supply, the higher the demand, and the higher the price is. Also, and based on the type of rooms in each state, entire home type in Manhattan of the New York State, occupies the highest price by $ 200, and Presidio Heights of the San Francisco occupies the highest price by $ 300. and private room type in Manhattan of the New York State, occupies the highest price by $ 130, and in Chinatown of the San Francisco occupies the highest price by $ 250. and shared room type in Manhattan of the New York State, occupies the highest price by $ 80, and in Lakeshore of the San Francisco occupies the highest price by $ 1000.

New York







San Francisco