

2R | DS

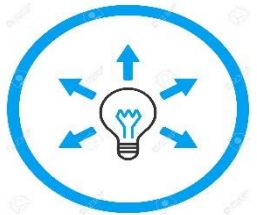
Exploratory Data Analysis on NYC and SF Airbnb

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01

Introduction

2R|DS Company specializing in data analytics



Effective solutions



Help clients



Achieve their own goals

02

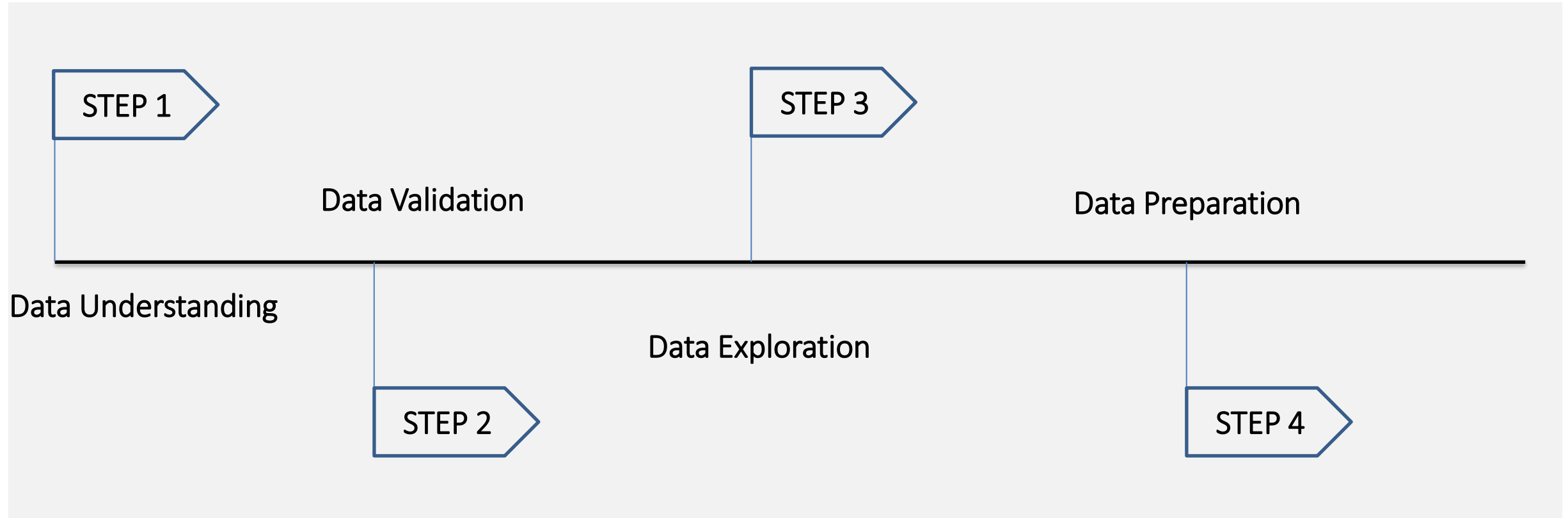
Problem Statement

Market company expand its business in real .
In this project, we need to analyze the Airbnb data for some states to find the best location for the new branches .

The analysis is intended to answer for questions:

- What is the room types and price for each states?
- What is the most requested of room types and low price for each states?
- What is the price and minimum nights for each states?







Data Description:

We will be using the "Analysis of NYC and SF Airbnb Data" Dataset from Keggles:

- New York City Airbnb Data: the dataset has 48895 rows and 16 columns.
- San Francisco City Airbnb Data : the dataset has 8111 rows and 106 columns.

Data Validation:

- No duplications were found in the dataset
- A lot of missing values were found we decided to remove all missing values because the data for the missing value not important to analysis

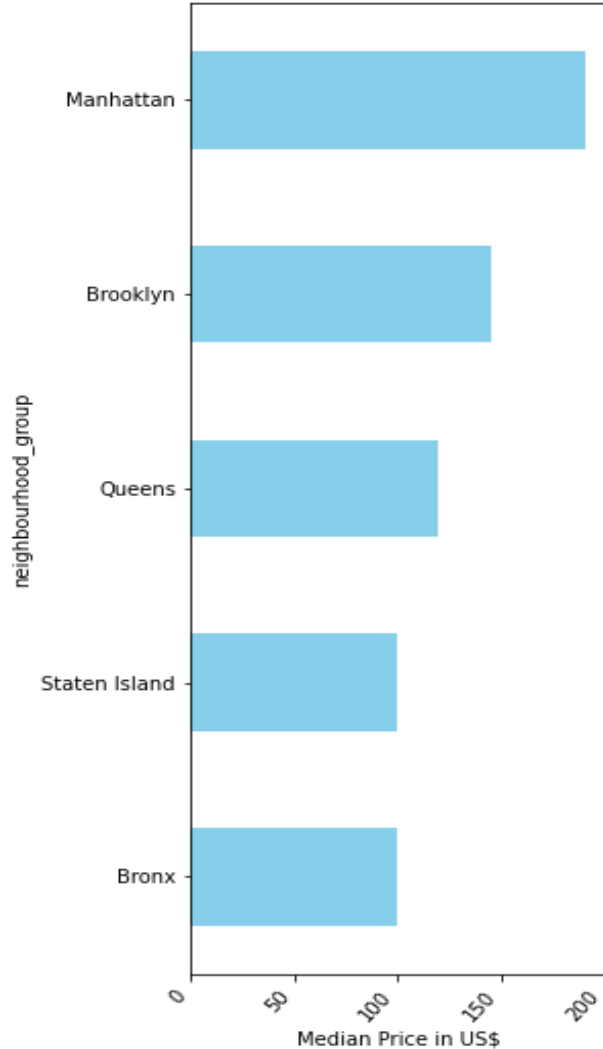


04 Visualization

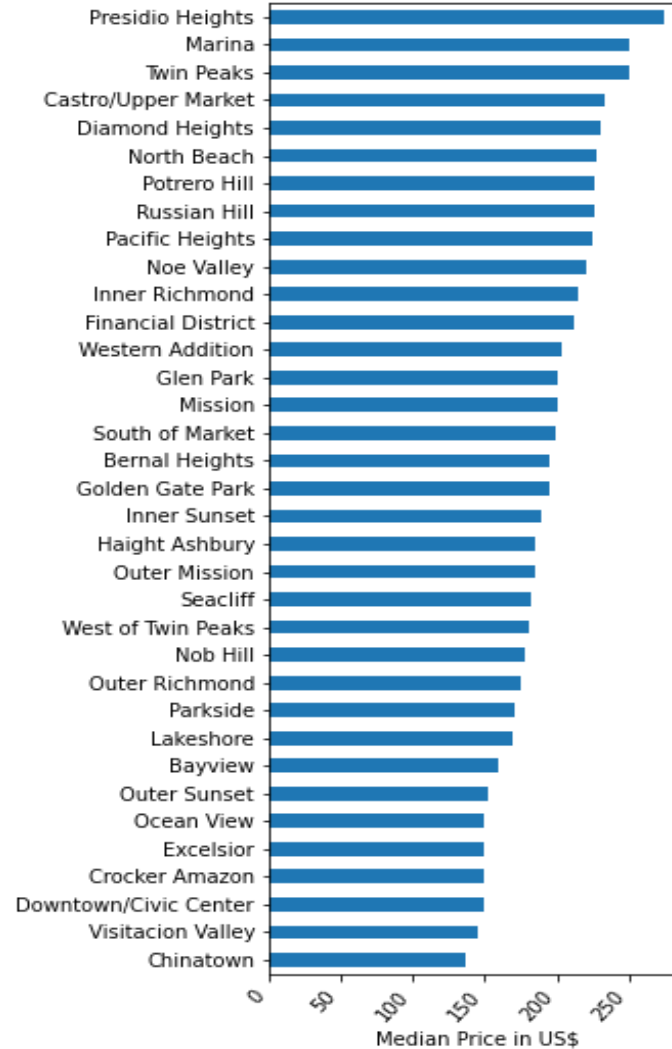
New York Vs San Francisco



Entire home/apt Median Prices in NYC



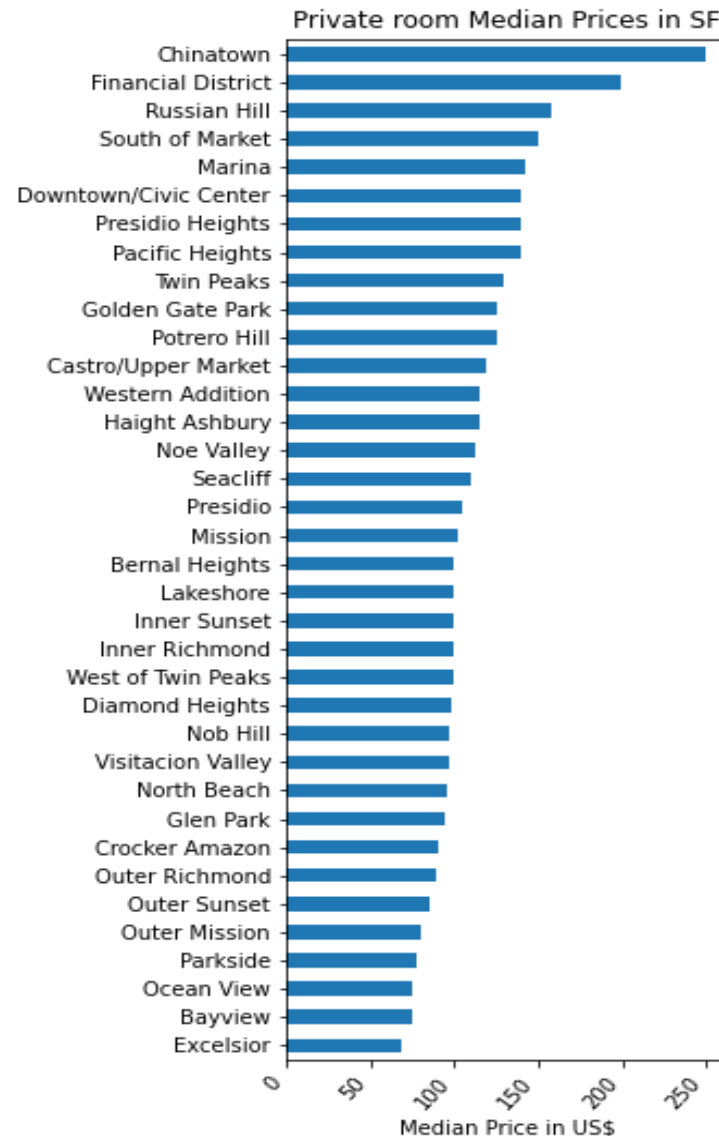
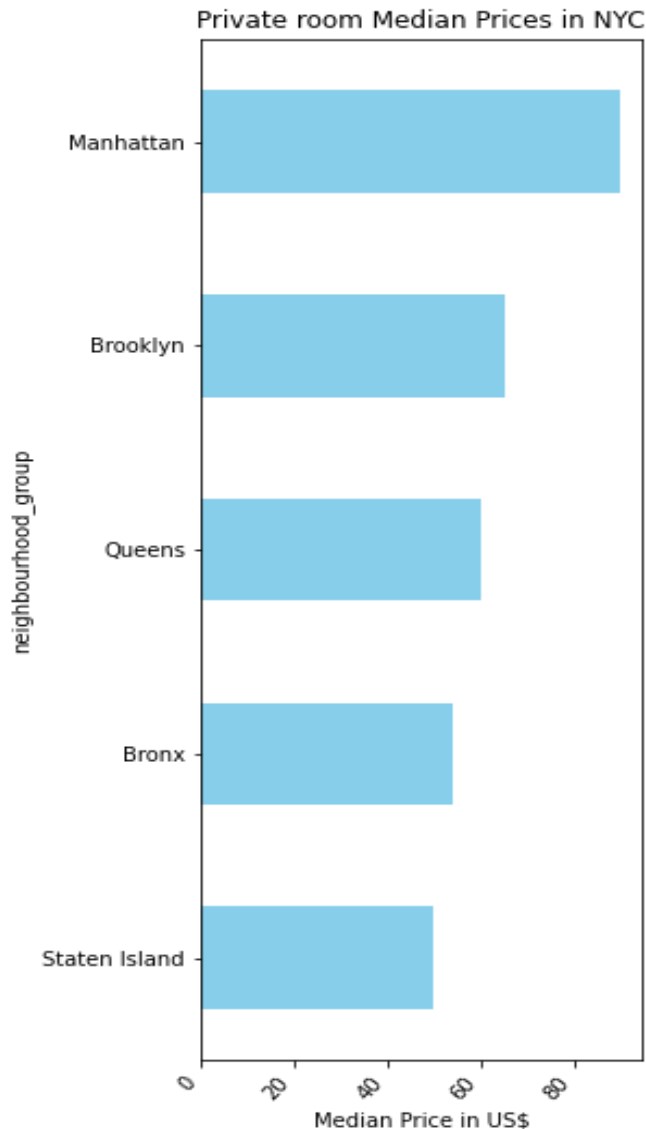
Entire home/apt Median Prices in SF



Observations:

- Comparing between types room and price for each states
- We noticed, the room type for entire home 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.

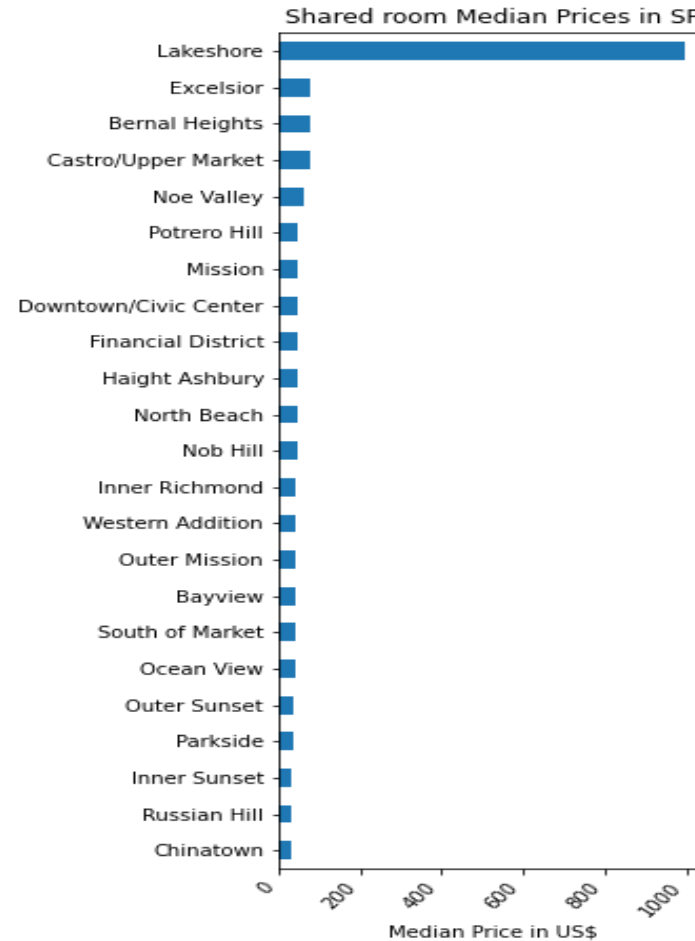
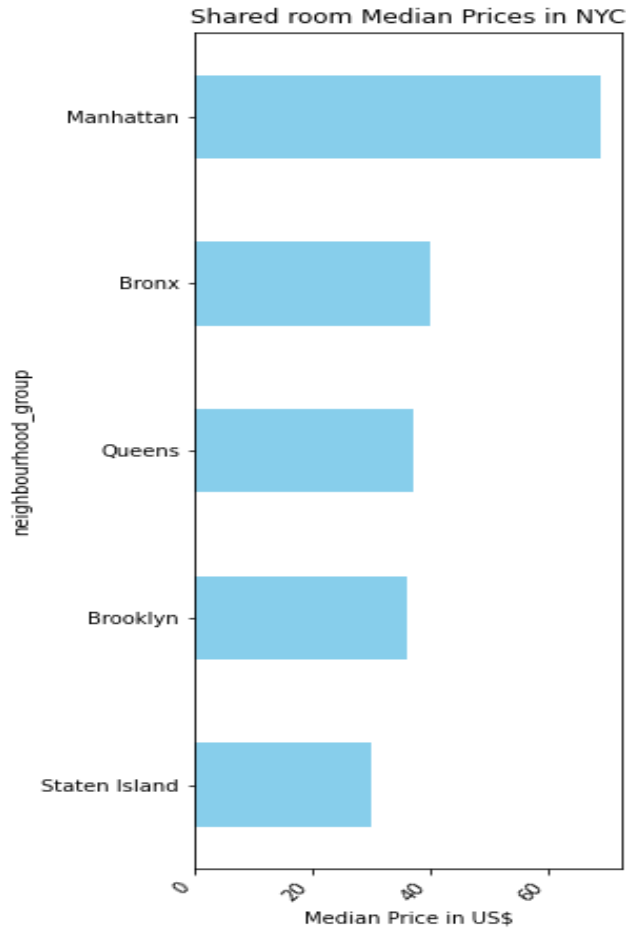
New York Vs San Francisco (Cont'd)



Observations

- We noticed, the room type for private room 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.

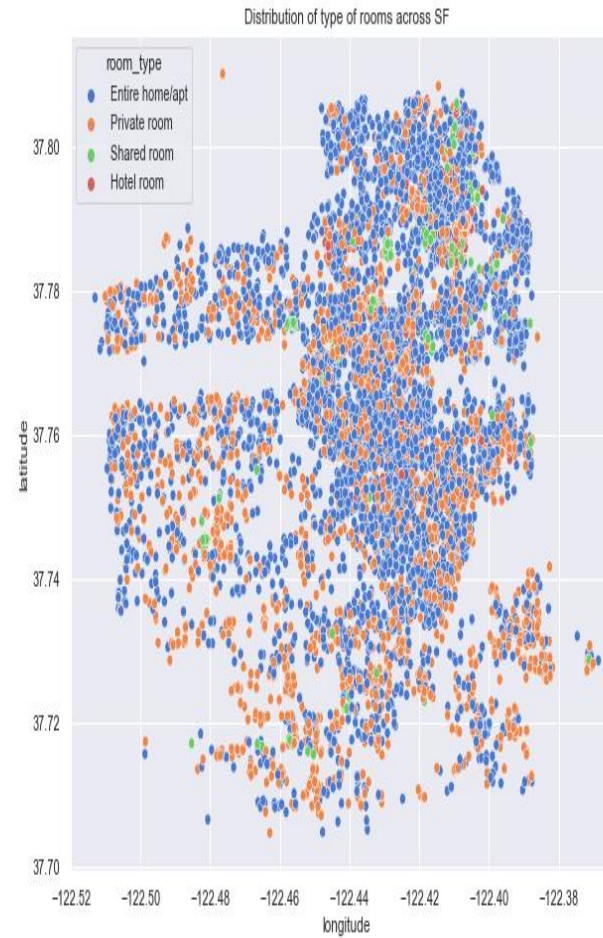
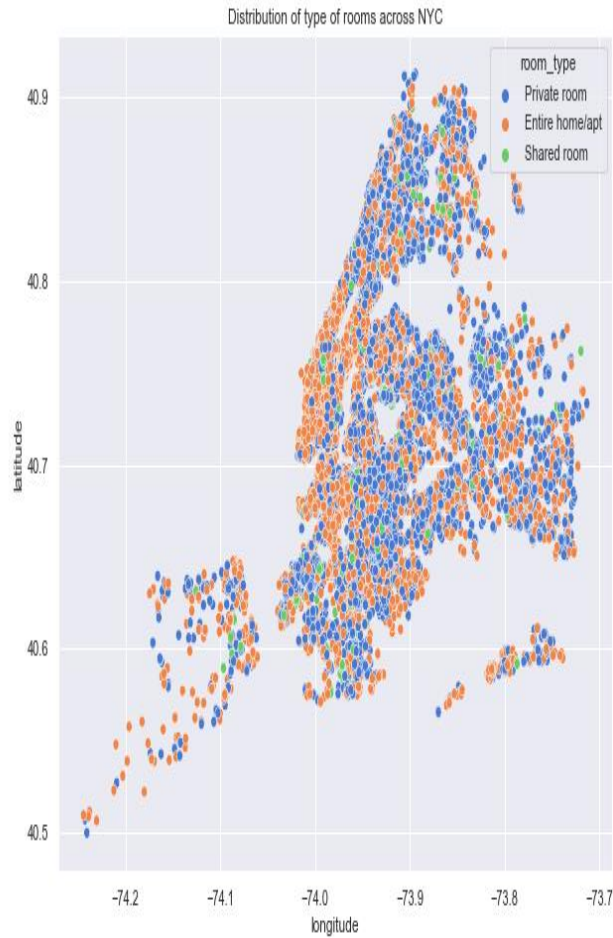
New York Vs San Francisco (Cont'd)



Observations

- We noticed, the room type for shared room 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.

Distribution of type of room in NYC and SF



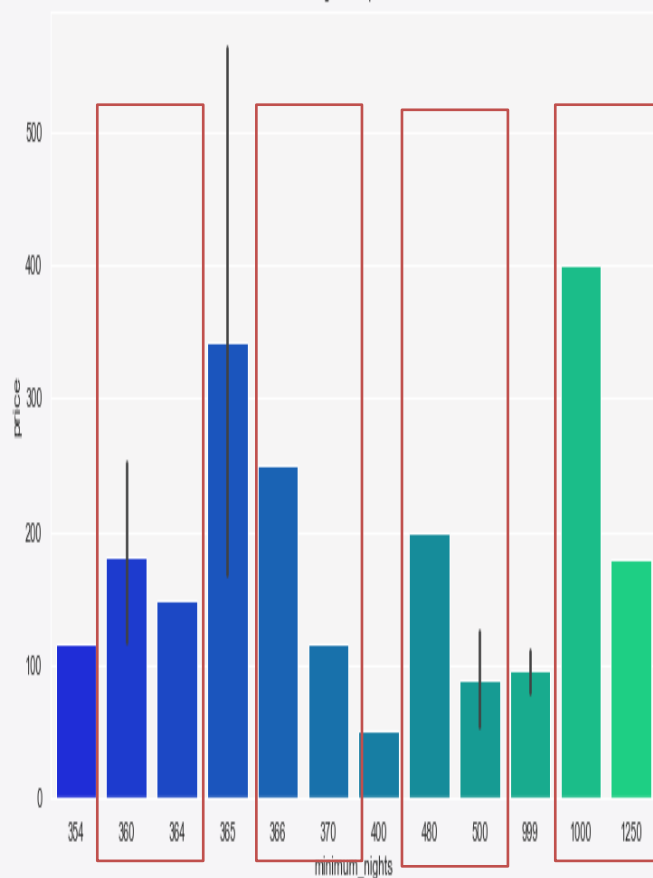
Observations :

During our observations, guests mostly prefer private and Entire home room types.

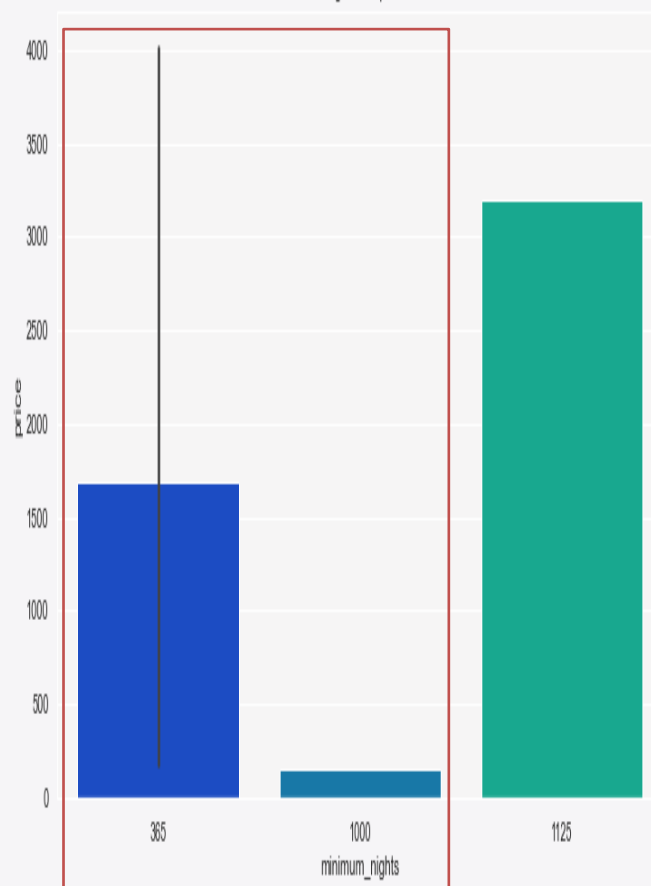
Minimum nights and prices for NYC and SF



minimum nights and prices for NYC



minimum nights and prices for SF



Observations:

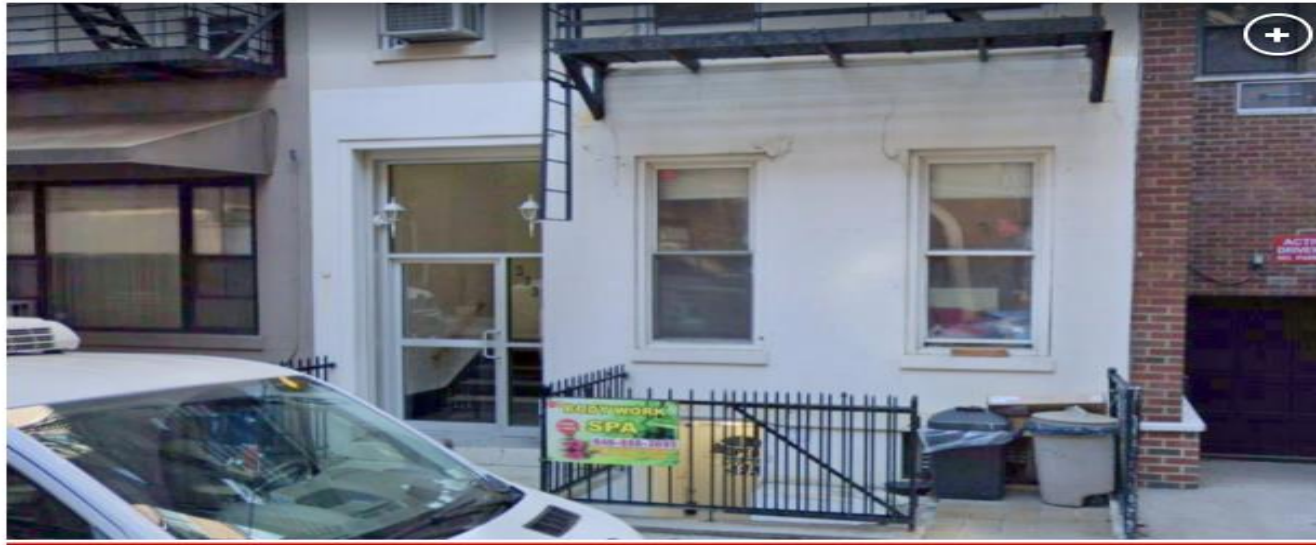
- During our comparison between the minimum nights and prices, we noticed that the rooms are reserved for a longer period receive a lower price . as shown in the chart



Masked trio breaks into Manhattan Airbnb as guests were sleeping, cops say

By Tina Moore and Craig McCarthy

August 4, 2021 | 11:00am | Updated



Three women were sleeping inside an Airbnb when the burglars ransacked an apartment at 333 East 52 Street in Manhattan.

Google Maps

A masked trio broke into an Airbnb in Manhattan's Sutton Place, snatching guests' belongings as they snoozed, cops said.

The crew broke into the apartment through the front door at 333 East 52 Street just before 5:30 a.m. Tuesday, according to police.

The three women — tourists from Washington state — were sleeping inside when the burglars ransacked the pad, cops said.

The thieves made off with their wallets with credit and debit cards, cash and school IDs, as well as various Apple products, police said.

Security Recommendation

Through our research, it was proven that there was a robbery in New York, theft of guests' property (credit and debit cards, cash and school IDs, as well as various Apple products, police said.)

We advise property owners to provide cameras and security guards for the comfort and protection of Guest.

Reference :

<https://nypost.com/2021/08/04/masked-trio-breaks-into-nyc-airbnb-as-guests-were-sleeping/>



Based on the our observation, we recommendation build real estate at New York specifically Manhattan because receives the highest count of visitor because it closes to the most famous city (Times Square and Central Park) and has the more convenient transportation.

As a result, New York City have already become one of the most famous city that's why has become the perfect choice for building real estate.



THANK YOU