NYC AirBnB
Exploratory Analysis

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01 **PROBLEM**

List down trends/points that want to show

02 **DATA PREPROCESSING**

Data preparation and cleaning

03 **INSIGHT 1**

Top 10 host

04 **INSIGHT 2**

Most popular neighbourhood group

05 **INSIGHT 3**

Average price

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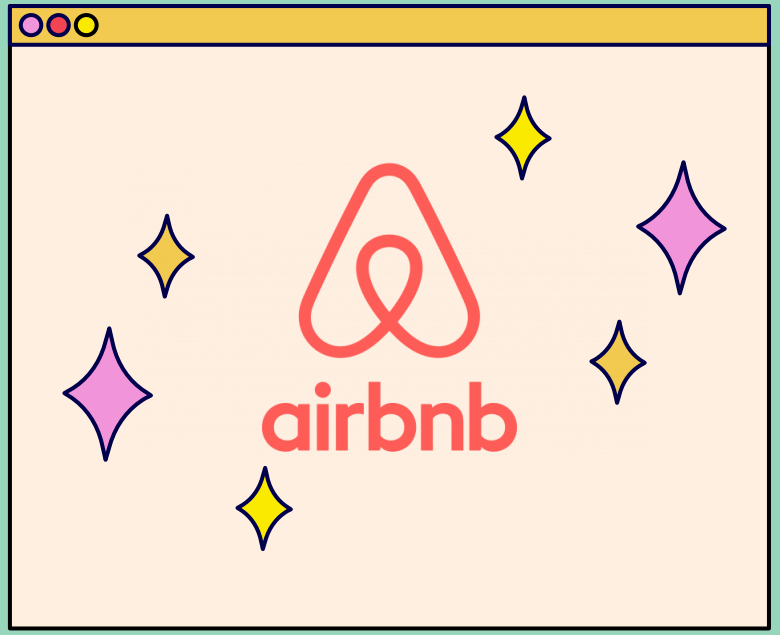
PROBLEM



- What are the 10 best hosts in NYC?
- Which neighbourhood has the highest number of listing?
- How the distribution of price of property in NYC?

DATA PREPROCESSING

CHANGE DATA TYPES

Change ‘id’ and ‘host_id’ to object

HANDLE NULL VALUE

Handling null value in ‘host_name’, ‘last_review’, and ‘reviews_per_month’

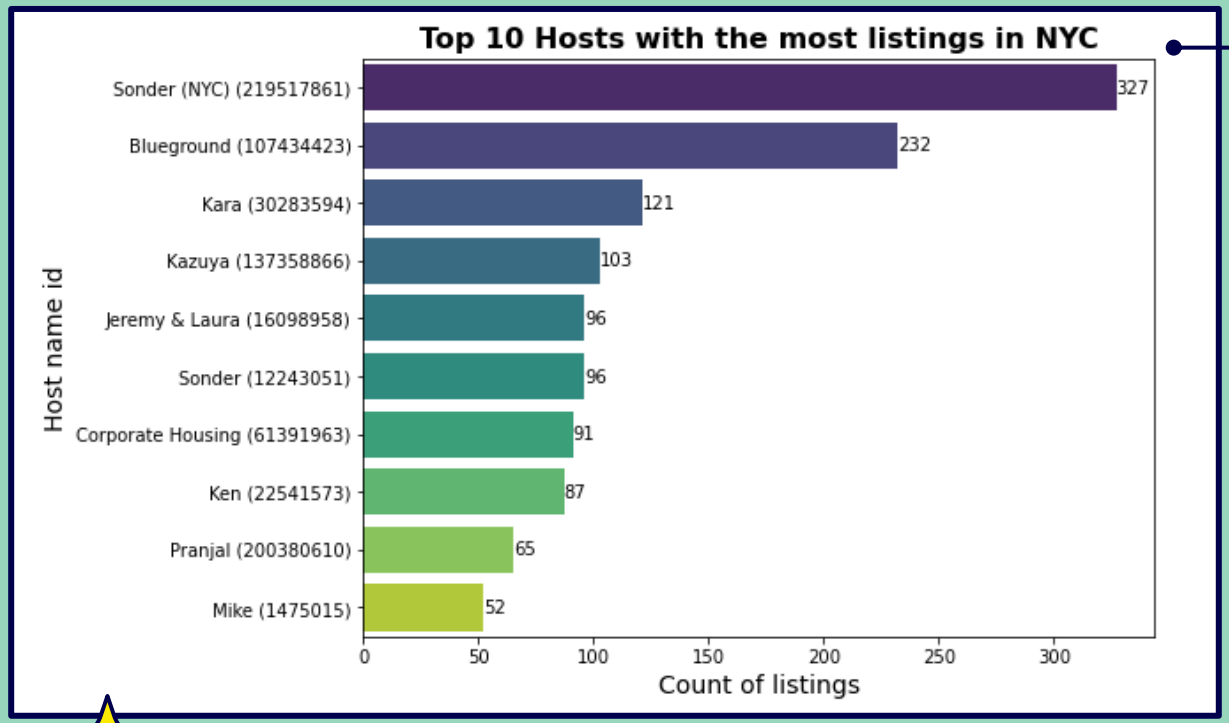
HANDLE DUPLICATED DATA

No duplicated data in dataset

CHECK OUTLIERS

Checking outiers in numerical features

INSIGHT 1



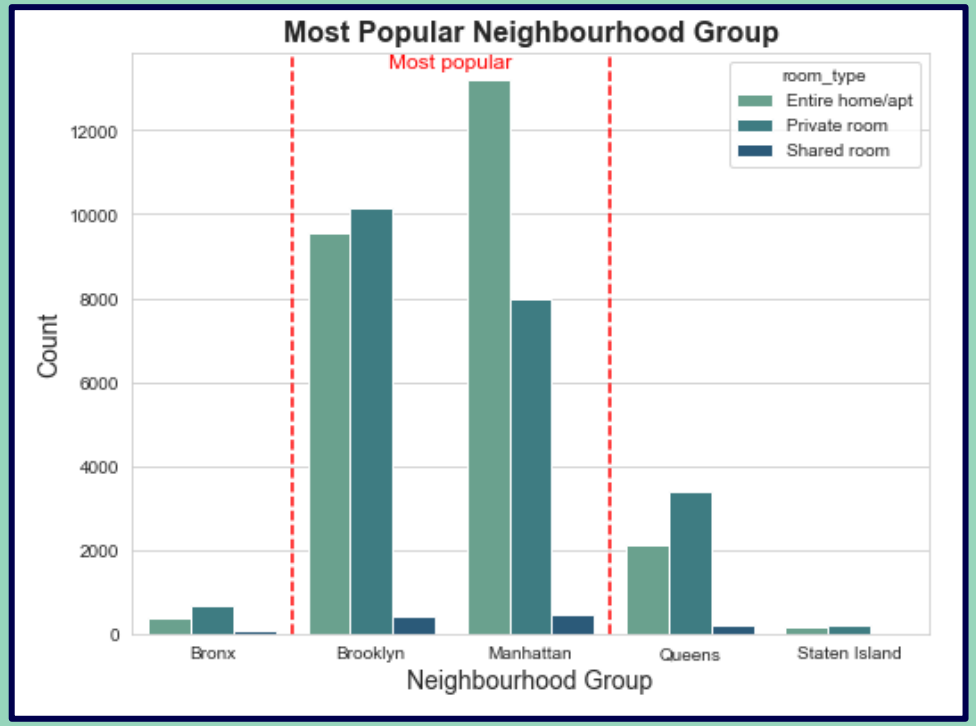
TOP 10

there is a good distribution between top 10 hosts with the most listings. First host has more than 300+ listings.

INSIGHT 2

Brooklyn and **Manhattan** became the most popular neighbourhood, at total around 20K each.

Based on facts, both of those neighbourhoods have more of the tourist attractions, so people would typically want to stay close to what they are seeing



INSIGHT 3

We can see the distribution of average price based on neighbourhood group, that **Manhattan** sems to have more of the higher priced properties

THANKS!