

The image features a central rectangular window with a yellow title bar and a light pink interior. The title bar contains three colored circles (purple, red, yellow) on the left and a horizontal line on the right. The pink interior is decorated with several colorful stars (yellow, white, red, green) and is framed by a dark blue border. Stylized green plants are visible at the bottom corners. The main title is centered in the pink area.

NYC AirBnB Exploratory Analysis



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01 PROBLEM

List down trends/points that want to show

03 INSIGHT 1

Top 10 host

05 INSIGHT 3

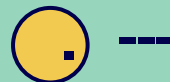
Average price

02 DATA PREPROCESSING

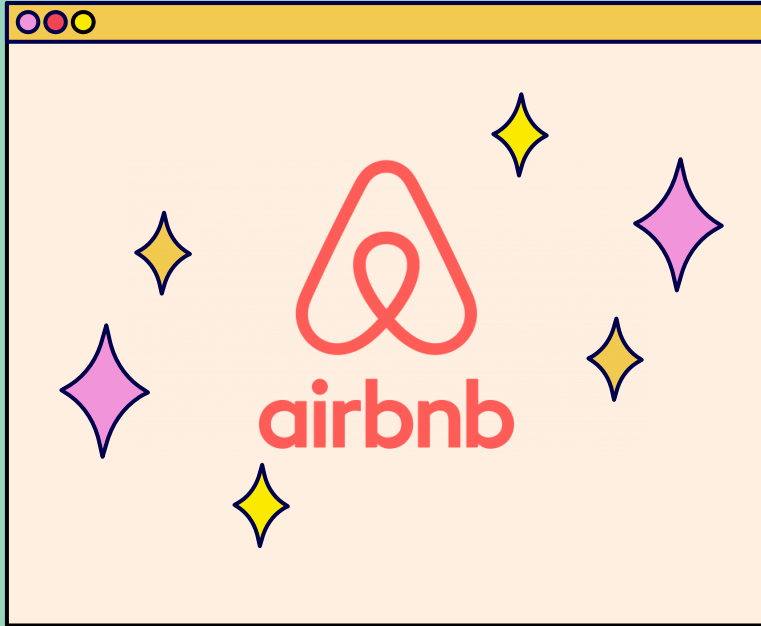
Data preparation and cleaning

04 INSIGHT 2

Most popular neighbourhood group



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

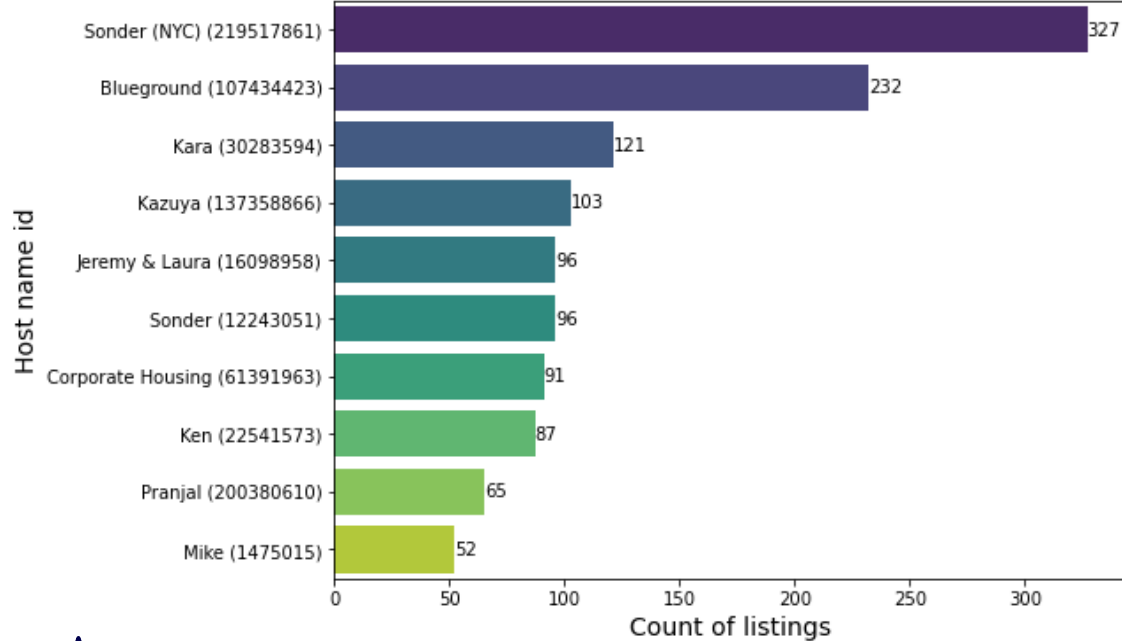
No duplicated data in dataset

CHECK OUTLIERS

Checking outliers in numerical features

INSIGHT 1

Top 10 Hosts with the most listings in NYC



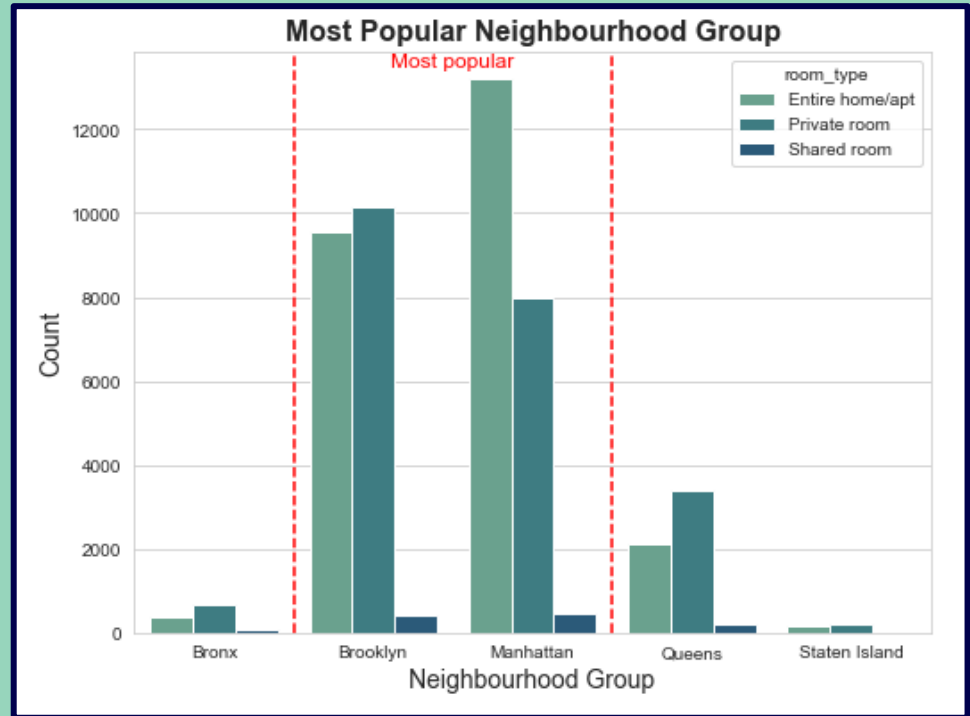
TOP 10

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

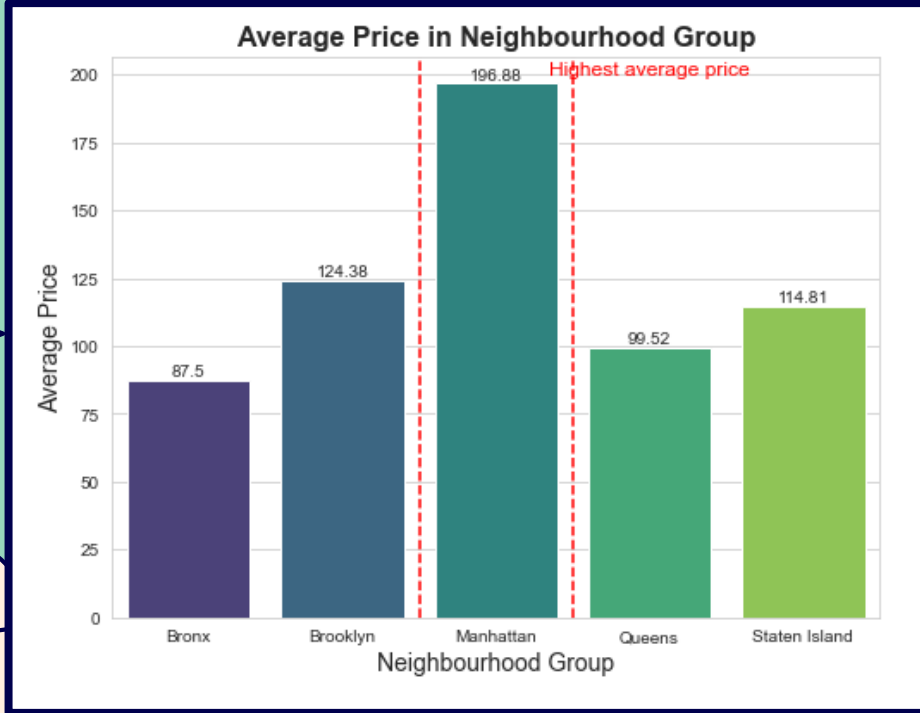
INSIGHT 2

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** seems to have more of the higher priced properties

