
Airbnb Data Analysis

Wireframe Documentation

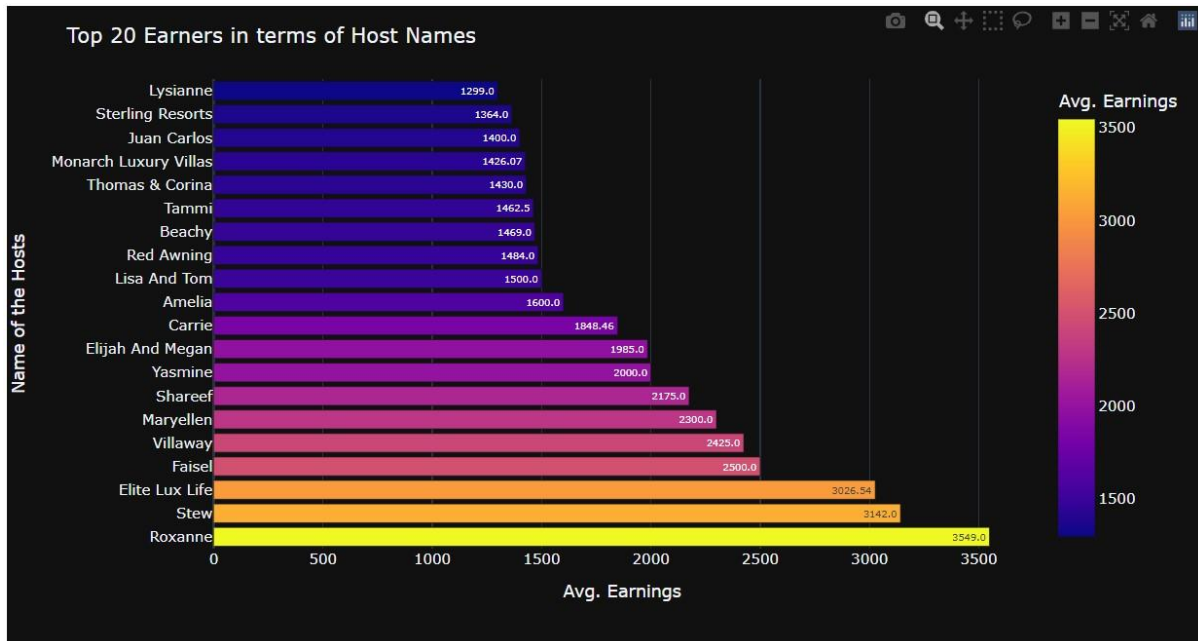
Hrithick.V

Analysis

As per the problem statement, we have defined the several Use Cases to perform the analysis on which helps in not only understanding the meaningful relationships between attributes but it also allows us to do our own research and come-up with our findings.

1. Top Earners (Hosts):

In this visual, we tried to interpret the Top 20 Earners in terms of Hosts.



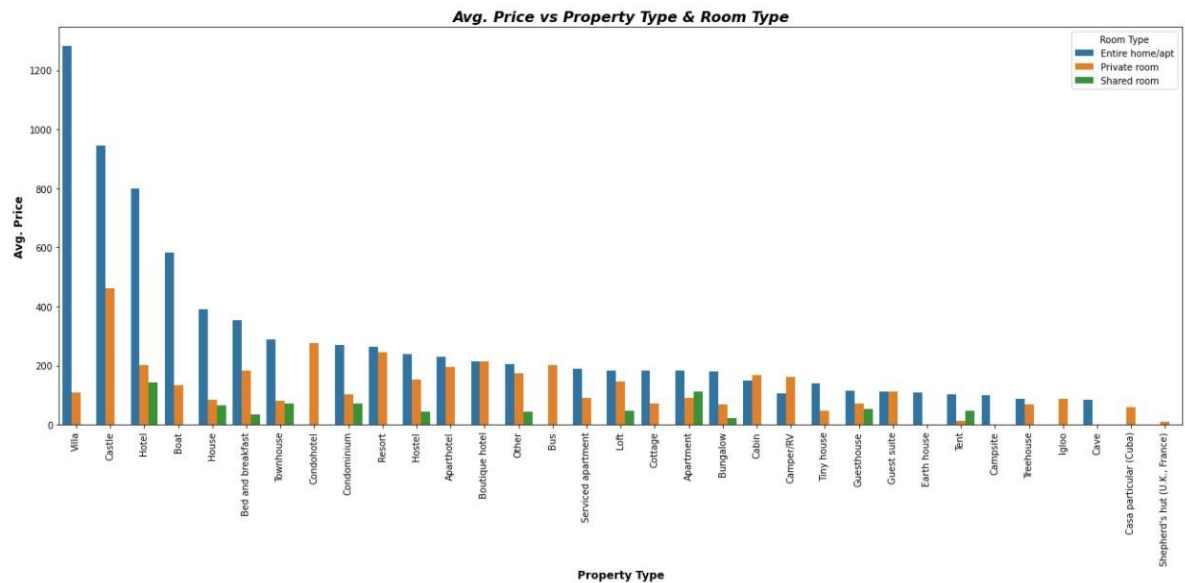
2. Relationship between Monthly Earning and Prices:

In this section, we analyse the data and tried to interpret the followings - I.e. □
Relation between Monthly Earning and Prices.



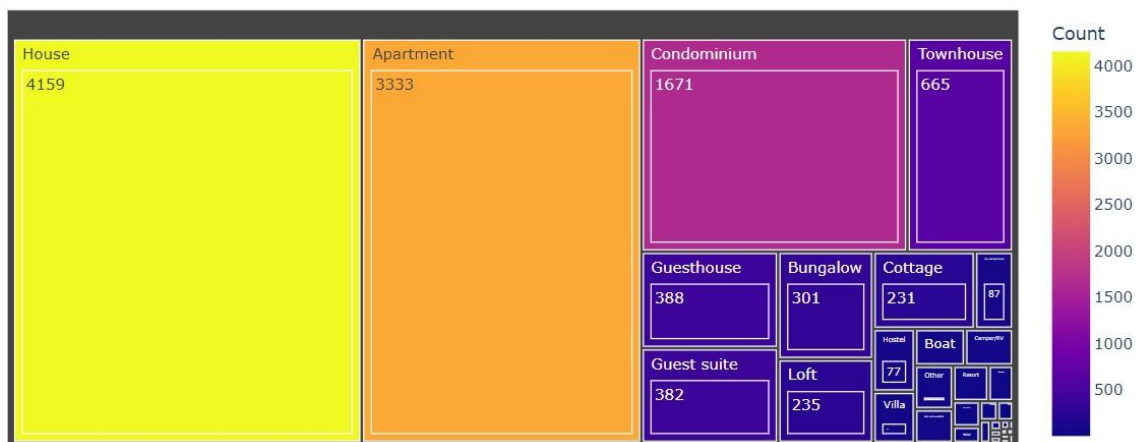
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- 3. Price comparison in terms of "property_type", And "room_type":**
we tried to interpret the Avg. Price w.r.t. Property Type and Room Type -



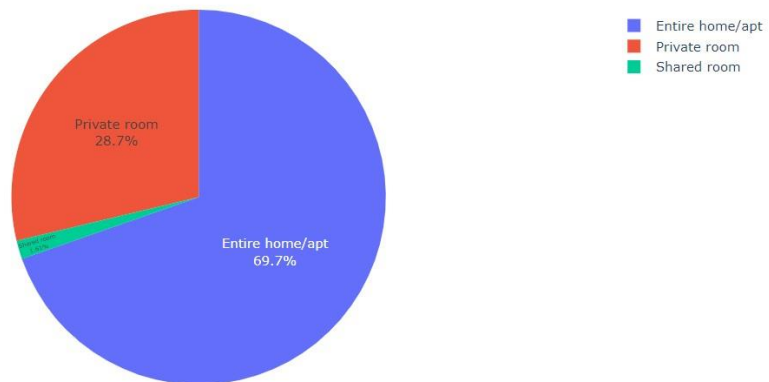
4. Preference of Guests w.r.t. Property Type:

Preference of Guests w.r.t. Property Type



5. Preference of Guests w.r.t. Room Type:

Preference of Guests w.r.t. Room Type

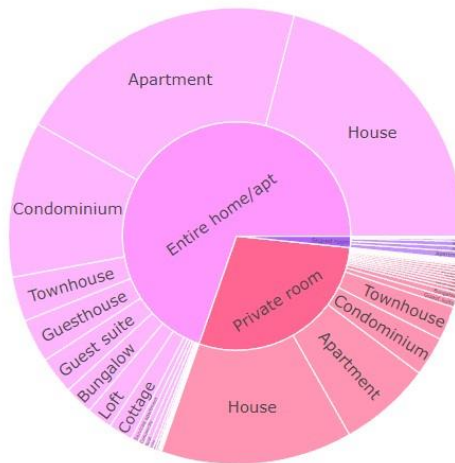


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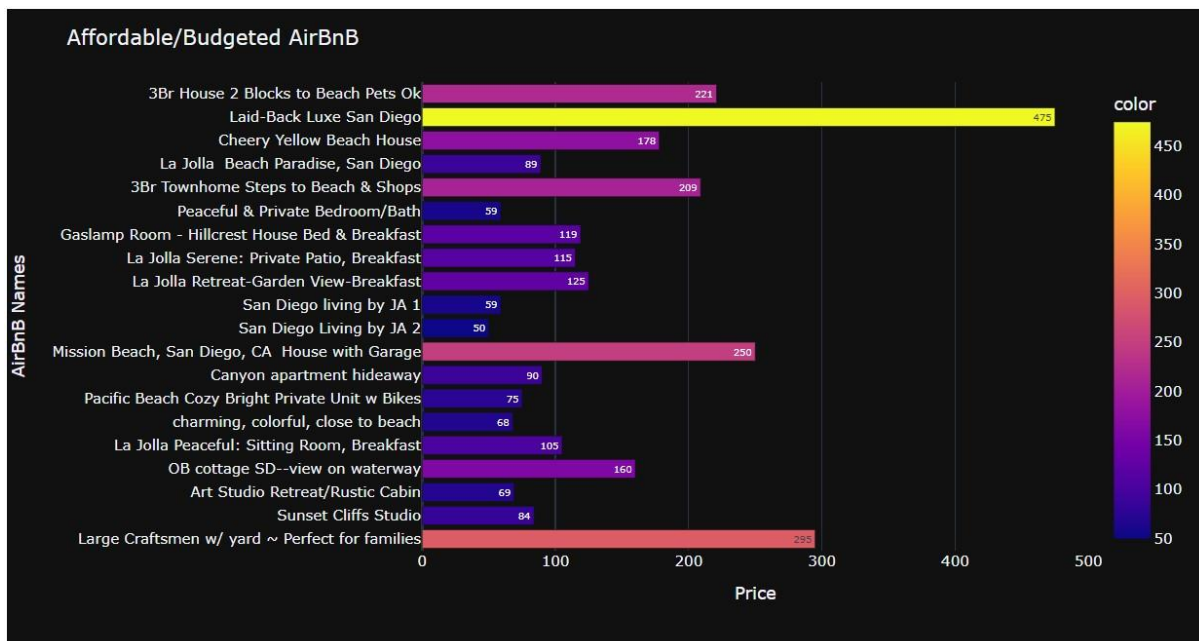
6. Most Preferred "Property Type" and "Room Type" by Guests:

we tried to interpret the most preference of the guests in terms of Property Type and Room Type.

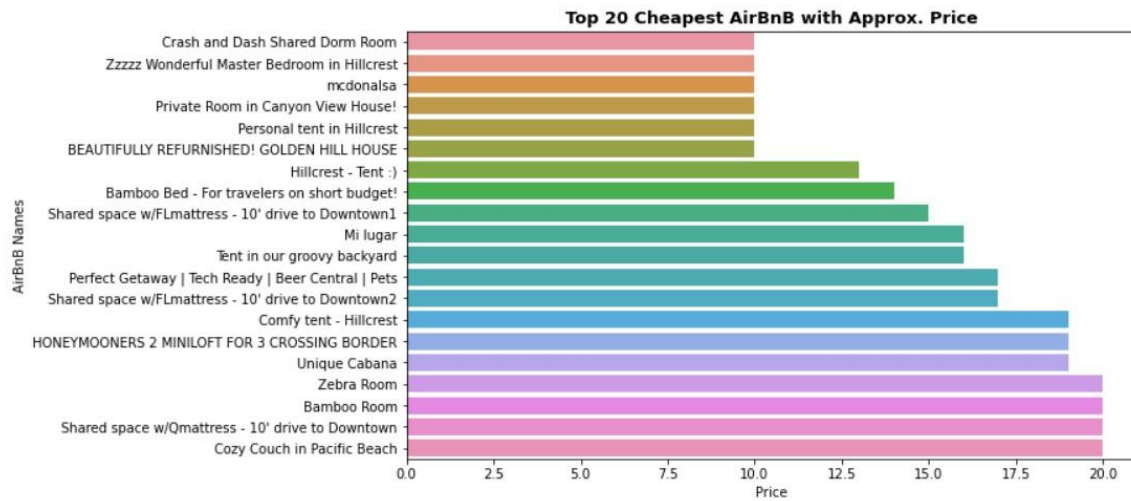
Most Preferred 'Property Type' and 'Room Type' by Guests



7. Find All the AirBnB's that are below 500 (Budget Hotels) as well as Affordable:

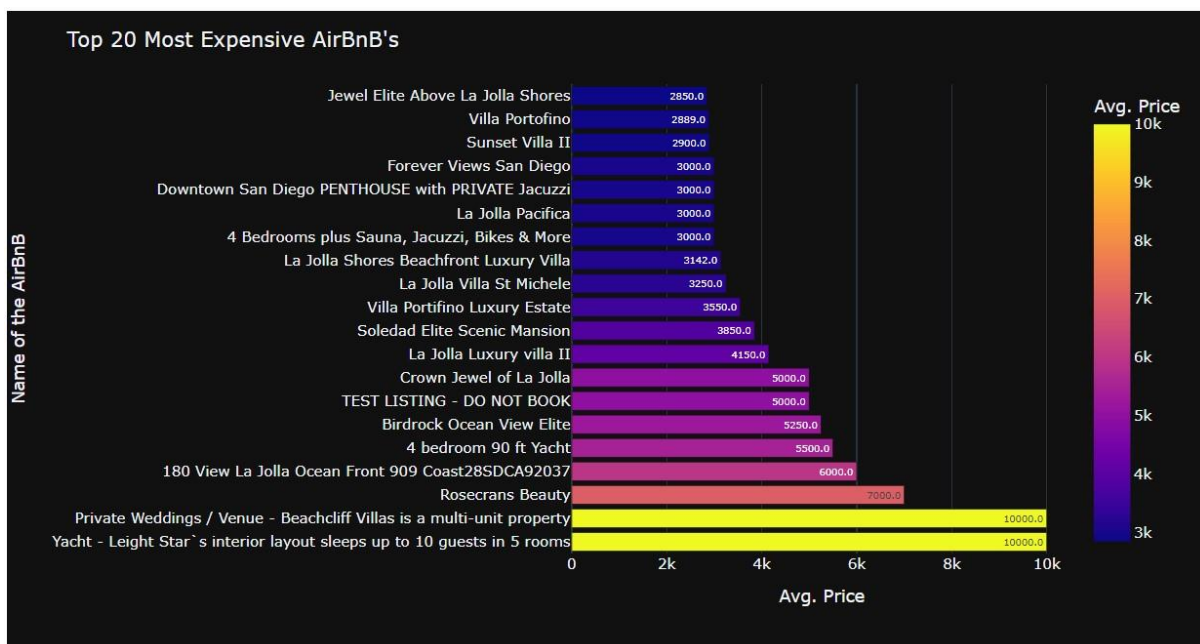


8. Top 20 Cheapest AirBnB with Approx. Price: we tried to interpret the Most Cheapest Airbnb's w.r.t. their Price.



9. Most Expensive AirBnB's:

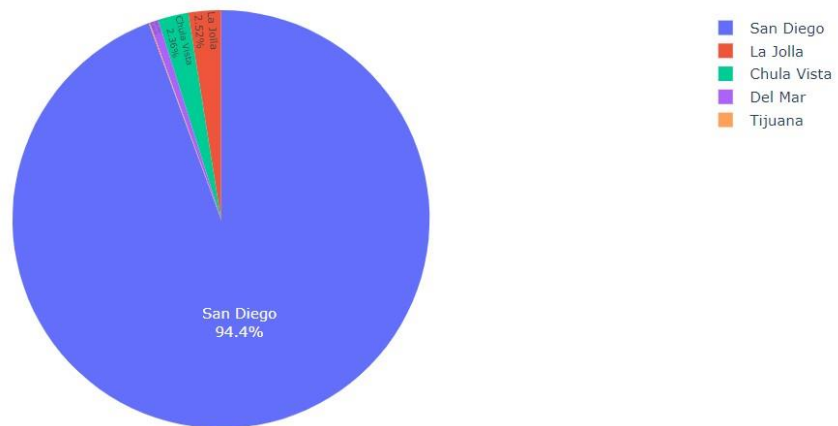
Here, we tried to interpret the Top 20 Most Expensive Airbnb's w.r.t. their Avg. Price.



Here,

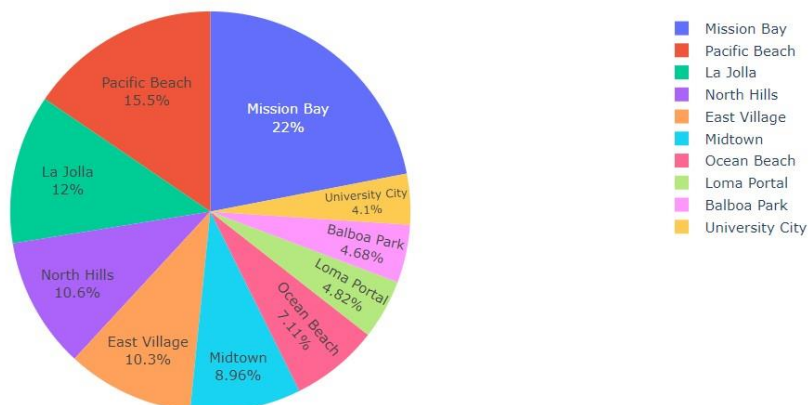
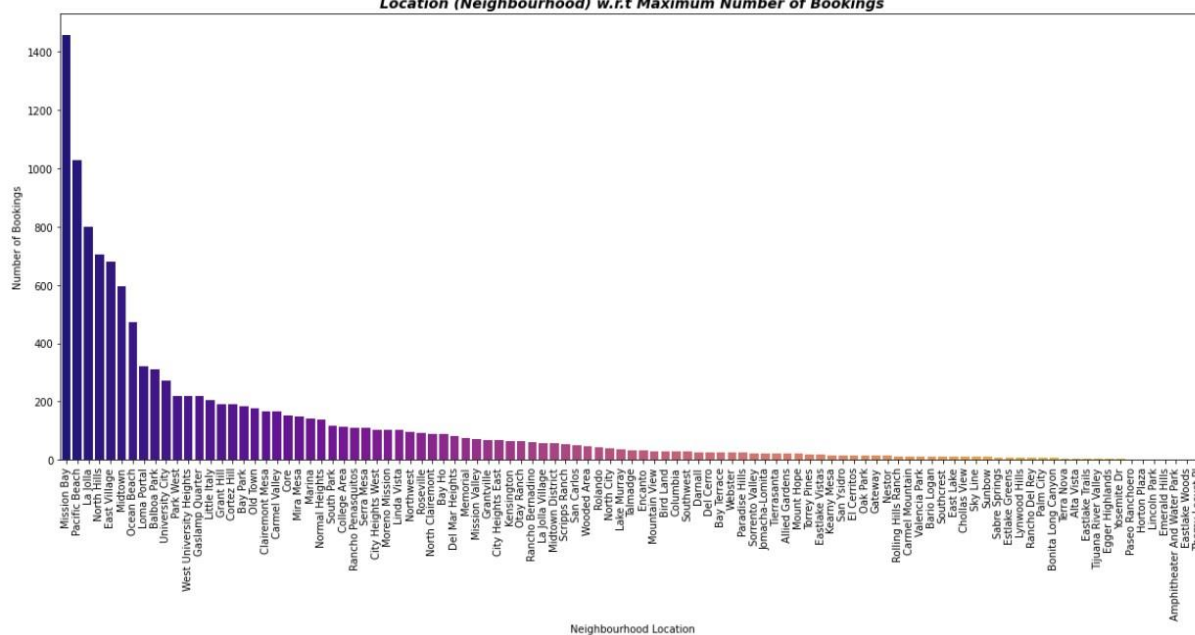
10. Any particular Location (Cities) getting Maximum Number of Bookings:

Top 5 Location (Cities) having Maximum Number of Bookings



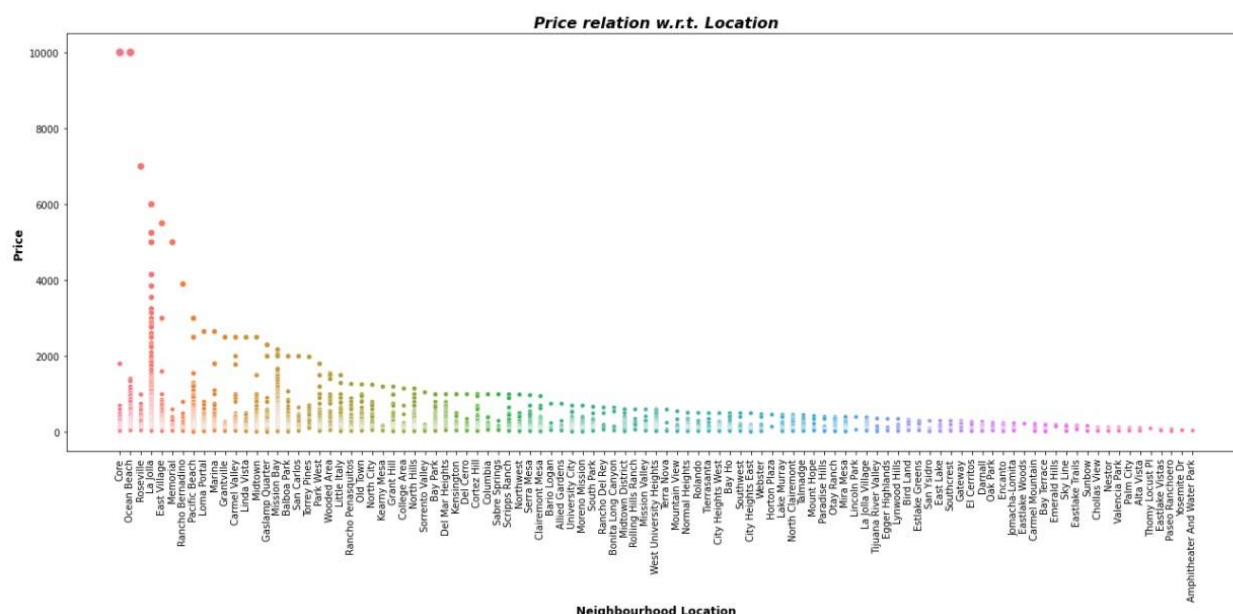
11. Any particular Location (neighbourhood) getting Maximum Number of Bookings:

Top 10 Neighbourhood Locations w.r.t Maximum Number of Bookings

**Location (Neighbourhood) w.r.t Maximum Number of Bookings**

12. Price relation with respect to Location - (Price vs. Location)

In this section, we analyse the data and tried to interpret the followings – □
Relation between Price w.r.t. Location.



13. Analyzing "Reviews/Comments" of the Customers:

Here, we tried to interpret that what exactly the "Reviews/Comments" of our Customers, by doing that will get to know their views/satisfaction regarding the services.



14. Analyzing Most Common "Amenities" provided by the AirBnB's to their Customers:

[illegible]

Here, we are trying to analyse the Price vs. Number of Amenities provided by the AirBnB's.

The box plot displays the distribution of average prices for various counts of amenities. The x-axis, 'Total_Amenities_Provided', ranges from 0 to 90. The y-axis, 'Avg. Price', ranges from 0 to 1000. Each box plot represents a count of amenities, with the color of the box corresponding to the count as indicated in the legend. The plot shows a general downward trend in average price as the number of amenities increases, with a significant outlier at 5 amenities reaching nearly 900. The distribution becomes more stable and centered around 200-300 for higher amenity counts.

AIRBNB DATA ANALYSIS

Here, we tried to interpret the Room Types w.r.t. Number of Amenities provided by the AirBnB's to their Customers.

