iNeuron

Airbnb Data Analysis

Wireframe Documentation

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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.
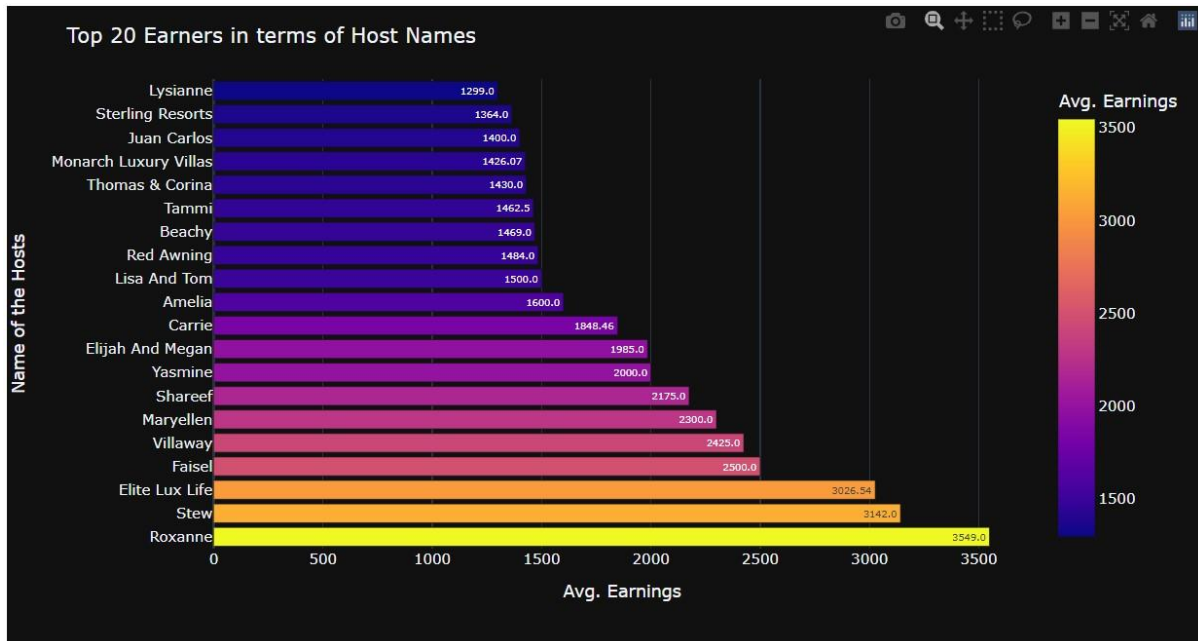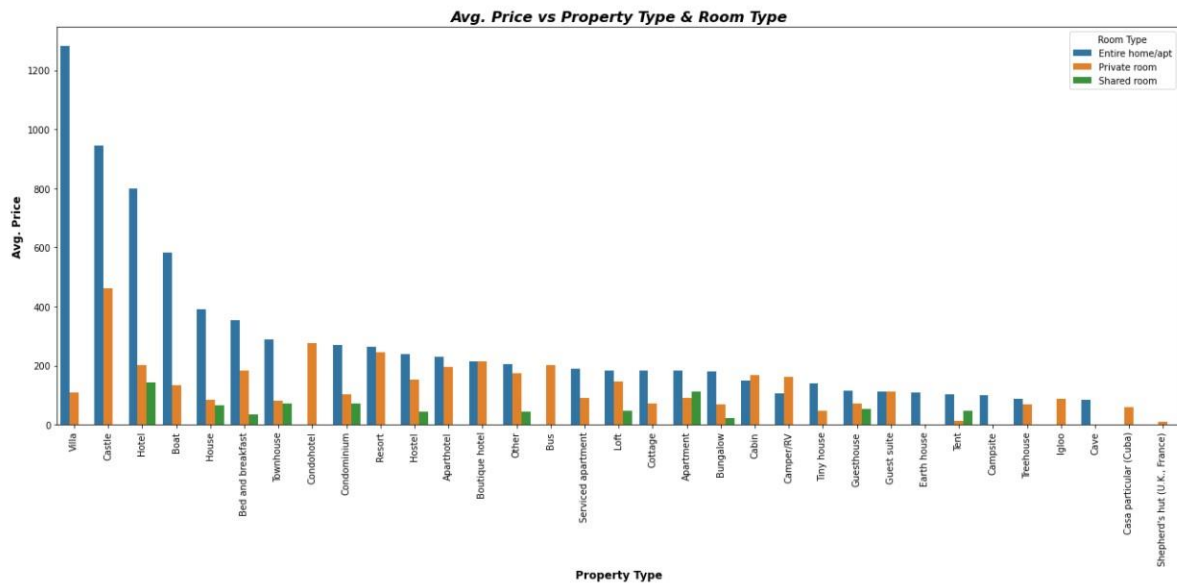

2. **Relationship between Monthly Earning and Prices:**

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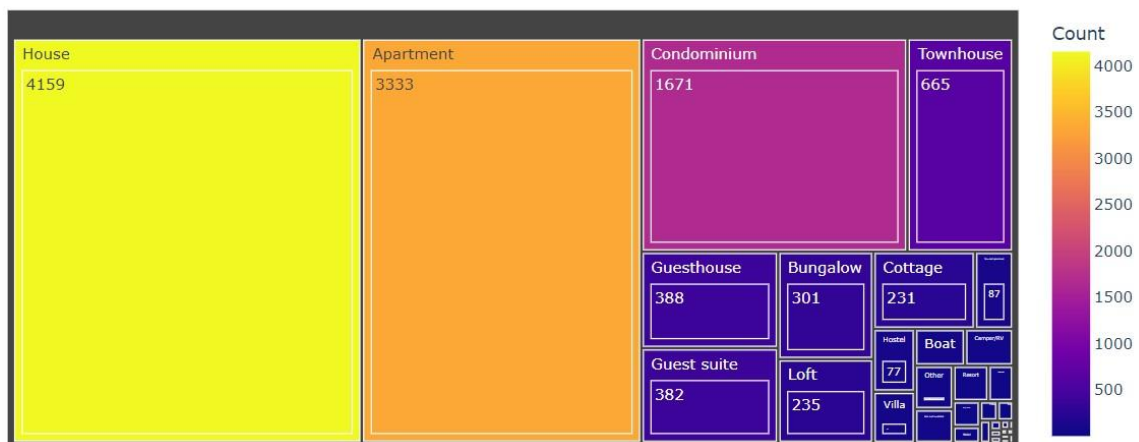Relation between Monthly Earning and Prices.

Here,

3. Price comparison in terms of "property_type", And "room_type":

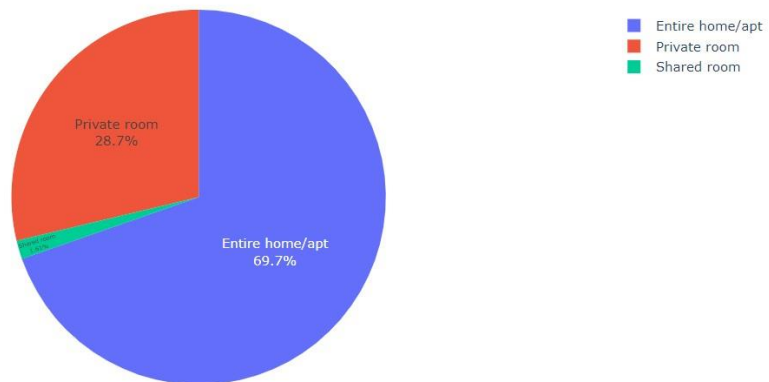we tried to interpret the Avg. Price w.r.t. Property Type and Room Type -

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:

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Preference of Guests w.r.t. Room Type

- Entire home/apt
- Private room
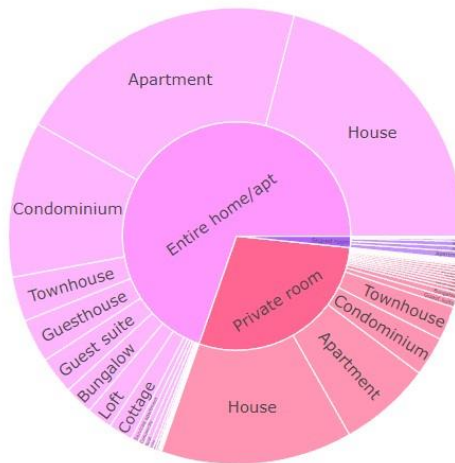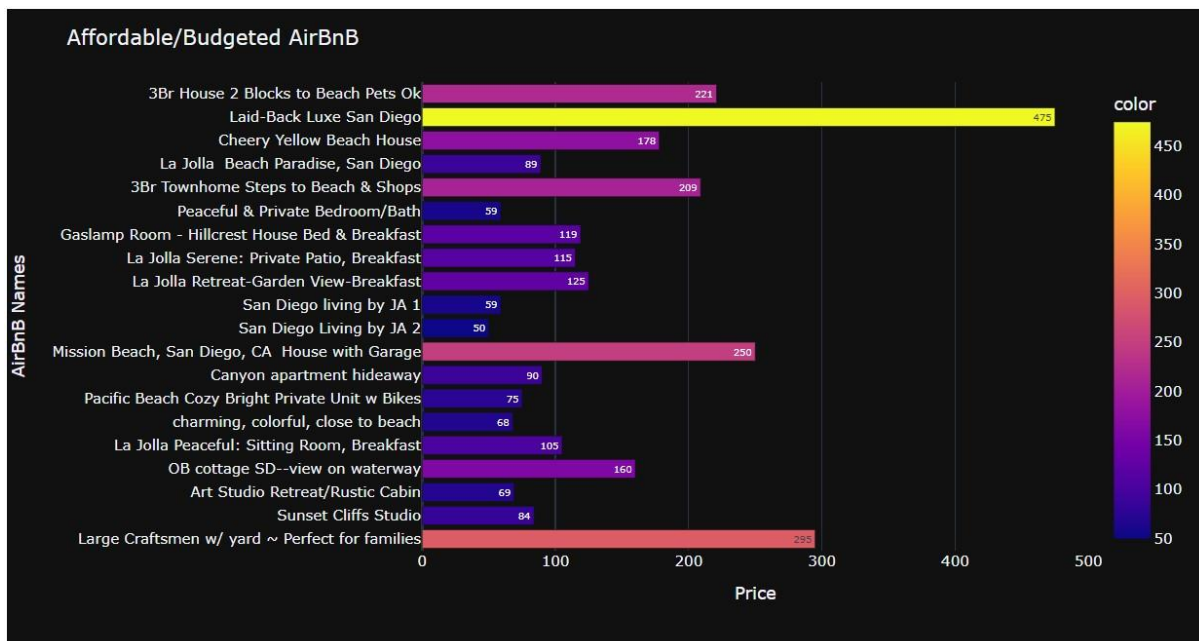- Shared room

Private room
28.7%

Entire home/apt
69.7%

Here,
6. Most Preferred "Property Type" and "Room Type" by Guests:
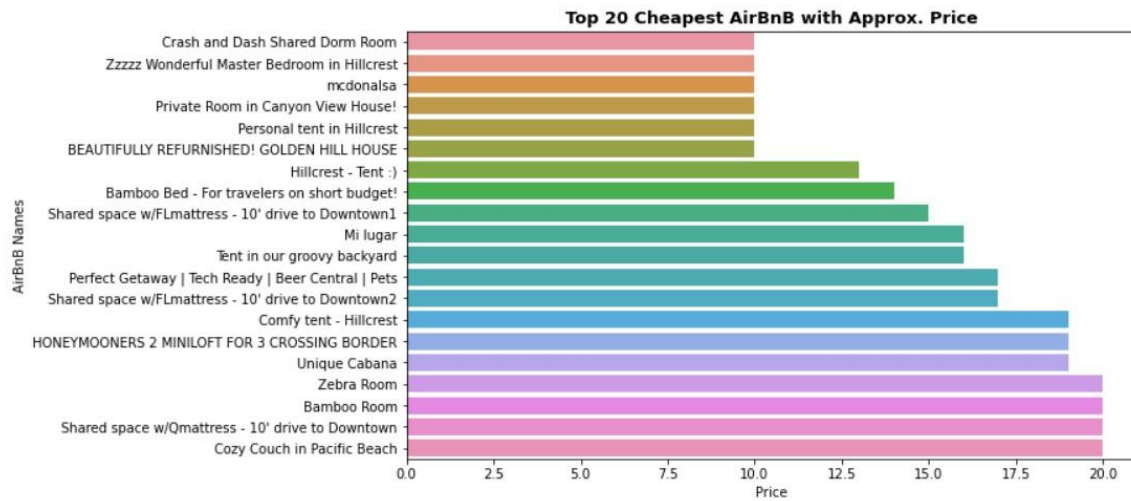we tried to interpret the most preference of the guests in terms of Property Type and Room Type.

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

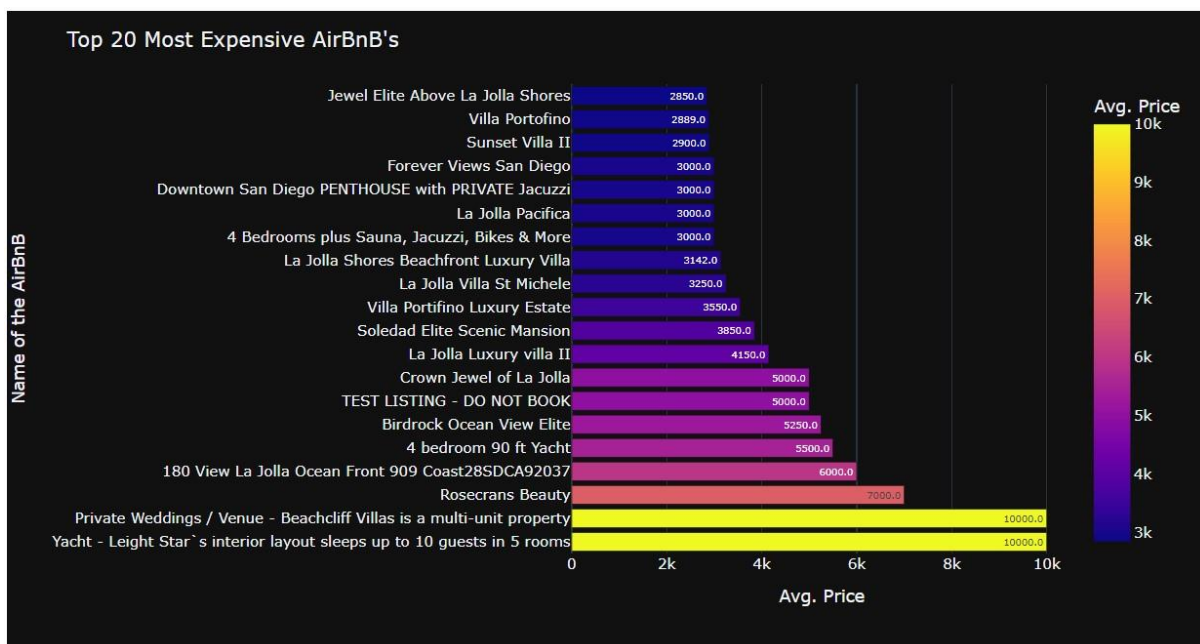### 7. Find All the AirBnB's that are below 500 (Budget Hotels) as well as Affordable:

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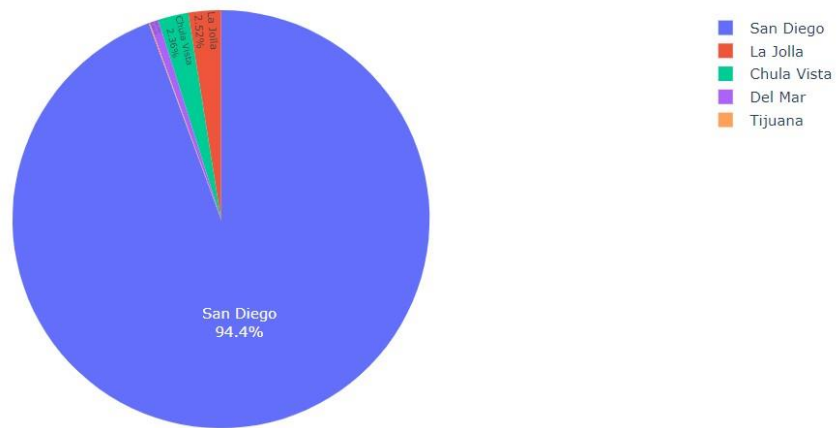

9. **Most Expensive AirBnB's:**

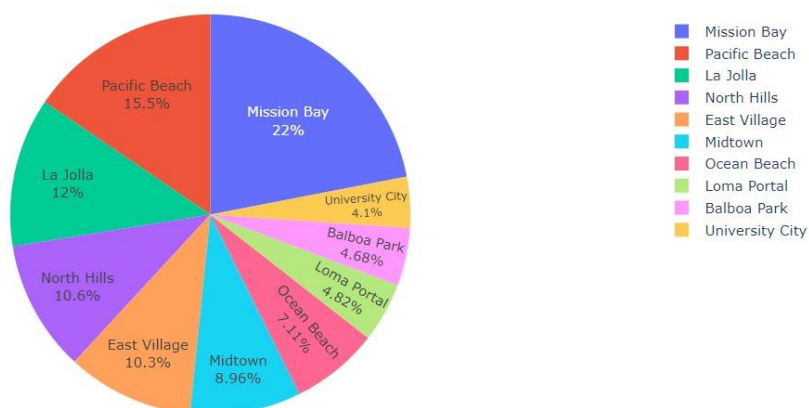Here, we tried to interpret the Top 20 Most Expensive Airbnb's w.r.t. their Avg. Price.
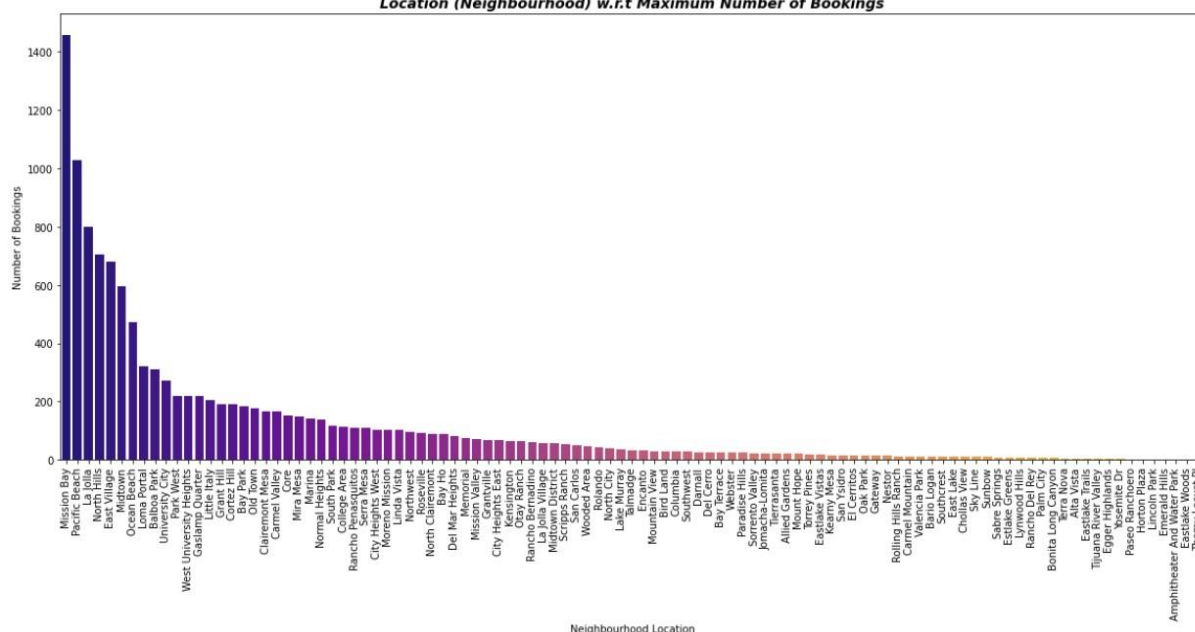
Here,

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:

Here, we tried to interpret that what exactly the Most Common "Amenities" provided by the AirBnB's to their Customers.

15. Price vs Amenitites:

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

16. Total Number of Amenities Provided w.r.t. Room Type:

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