Airbnb Properties Overview

Tally of Listings

2,854
2,907
27,835
3,997
5,037
1,768
33,229
2,515
5,370
4,051

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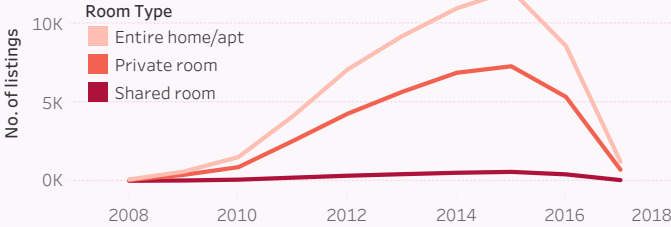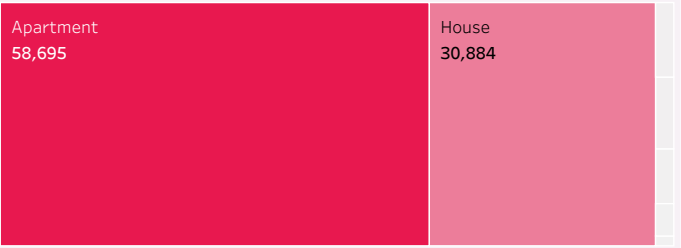
CA | CO | DC | IL | LA | MA | MD | NY | OR | TN | TX | WA
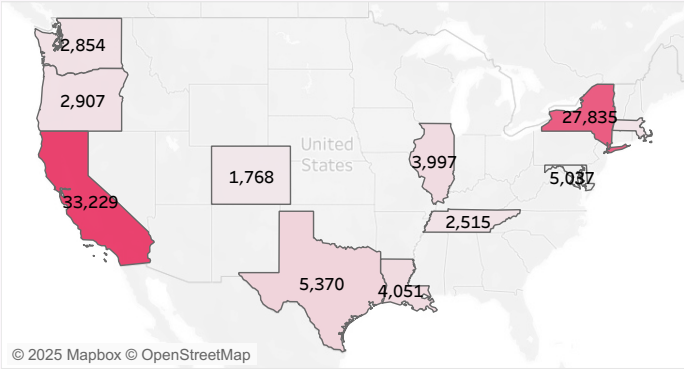
Price distribution for the selected state

Frequency

20K
15K
10K
5K
0K

$40 $120 $200 $280 $360 $440 $520 $600 $680 $760 $840 $920

Listings Timeline

Room Type
Entire home/apt
Private room
Shared room

No. of listings

10K

5K

0K

2008 2010 2012 2014 2016 2018
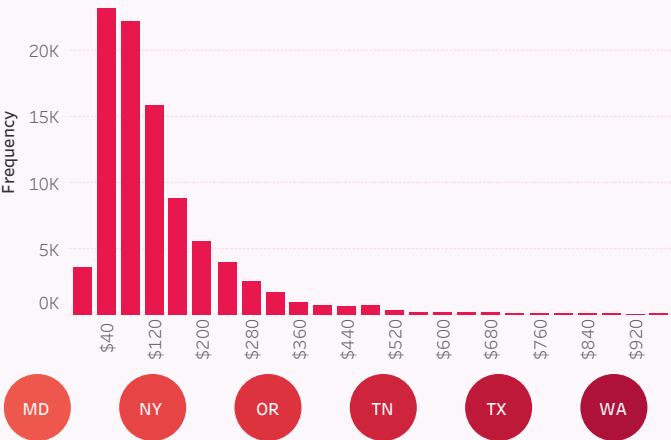
Property Profiles - Listings by Type

Apartment
58,695

House
30,884
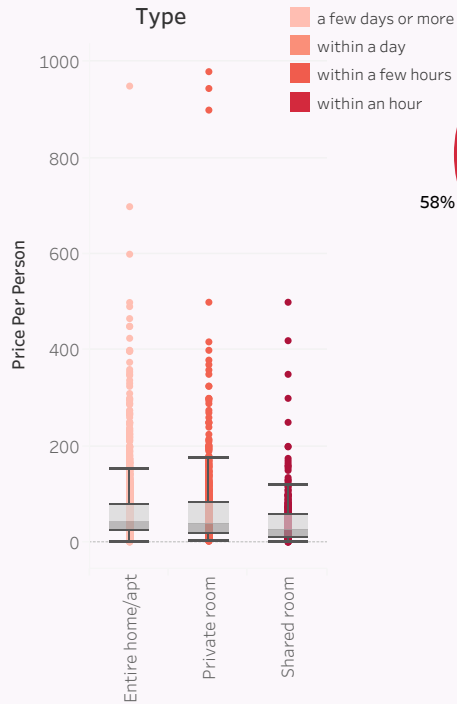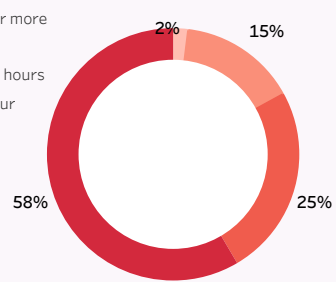
Booking Insights

A high booking rate property on Airbnb is the one that ranks in the top quartile of properties in terms of how frequently it gets booked, based on the average booking rate over several months.
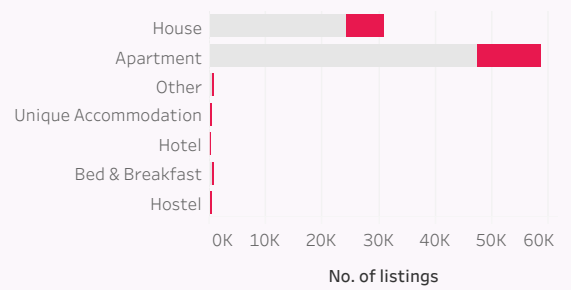
Price Breakdown by Room Type

Legend:
- a few days or more
- within a day
- within a few hours
- within an hour

Price Per Person
- 1000
- 800
- 600
- 400
- 200
- 0

Categories:
- Entire home/apt
- Private room
- Shared room

Quick Hosts - Responsiveness

- 2%
- 15%
- 25%
- 58%

Popular Picks

- House
- Apartment
- Other
- Unique Accommodation
- Hotel
- Bed & Breakfast
- Hostel

No. of listings
0K 10K 20K 30K 40K 50K 60K

High booking rate?   NO   YES

Yearly Booking Trends

- 2016
- 2012
- 2011
- 2015 19,948
- 2013
- 2014
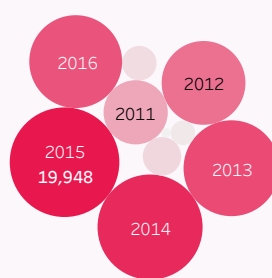
Cancellation Policy - A Breakdown

- 23% flexible
- 29% moderate
- 47% strict
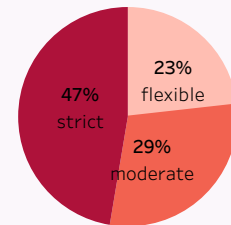
Potential Investor Guide

Top Cities by Listings

Los Angeles
3,122

New York
1,781

Brooklyn
1,248

San Francisco
1,162

Austin
744

Room Count Analysis

High Booking Rate?
- Yes
- No

Percentage of no. of listings vs No. of bedrooms

Airport Proximity

Distance to nearest airport (miles)
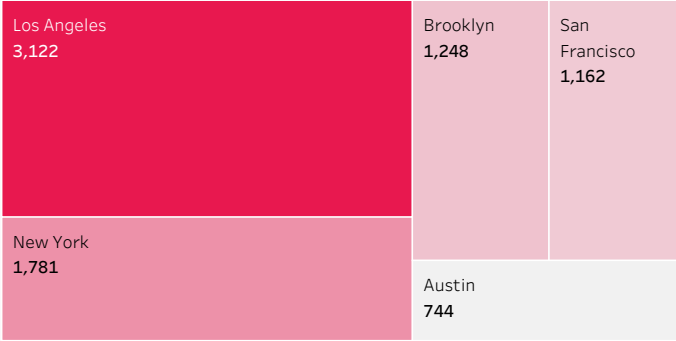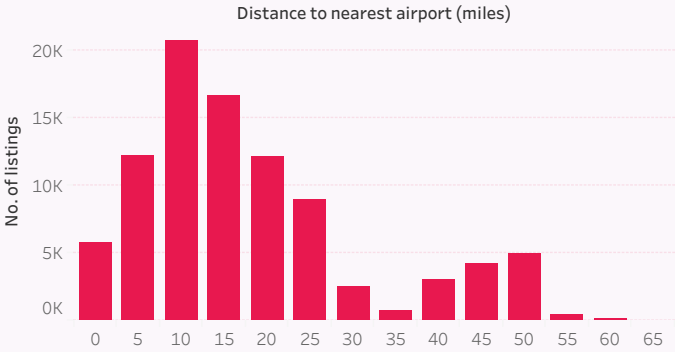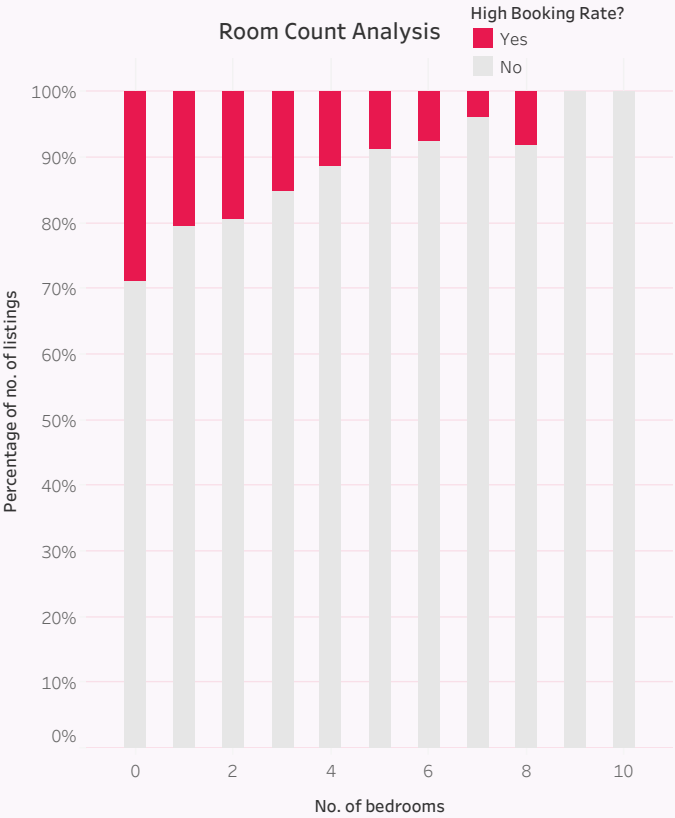
No. of listings

Our Visualization Study - A Walkthrough

We created three comprehensive dashboards for our project to analyze various aspects of the Airbnb market. The first dashboard provides an overview of Airbnb listings, showing the number of listings in different states to identify key markets. It includes a price distribution chart for selected states, highlighting typical prices and outliers. Additionally, it tracks the growth of Airbnb listings from 2008 to 2017 and breaks down listings by property type to understand market preferences and accommodation variety.

Moreover, the second dashboard focuses on host performance and booking trends. It compares host response times for high-booking rate properties versus others, showing the link between quick responses and booking success. The dashboard also identifies property types with high booking rates, tracks the annual growth of these properties, and compares cancellation policies. A box-plot visualization of price per person versus room type highlights price variations, helping identify the best value offerings.

Furthermore, the third dashboard serves as a potential investor guide. It highlights the top five cities with the most Airbnb listings, showing where demand is highest. A histogram shows the distance of properties from the nearest airport, indicating the potential for higher booking rates. The dashboard also breaks down the proportion of properties with different room counts, helping investors understand property variety and guest preferences. These visualizations provide actionable insights and strategic guidance for potential investors and stakeholders.

Data Source:
Airbnb Dataset: Obtained from Prof. Eaman Jahani - BUDT758T