Score Big on AirBnB

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AGENDA

ABOUT US

We are a Data Science company looking out for the consumer, we are currently developing a widget that will take the stress out of booking an Airbnb and giving you the peace of mind that you are getting the best deal.

Problem Statement

Airbnb hosts

Whether homeowners, renters, or businesses, they are people who know the area, are aware of market trends, and want to maximize the us of their listing. They hold all important decision making info.

Airbnb guests

Most likely from out-of-town, unfamiliar with the area they are visiting, wanting to find a balance of affordability and comfortable accommodations Looking to relax, not breakout the spreadsheets to stay in budget.
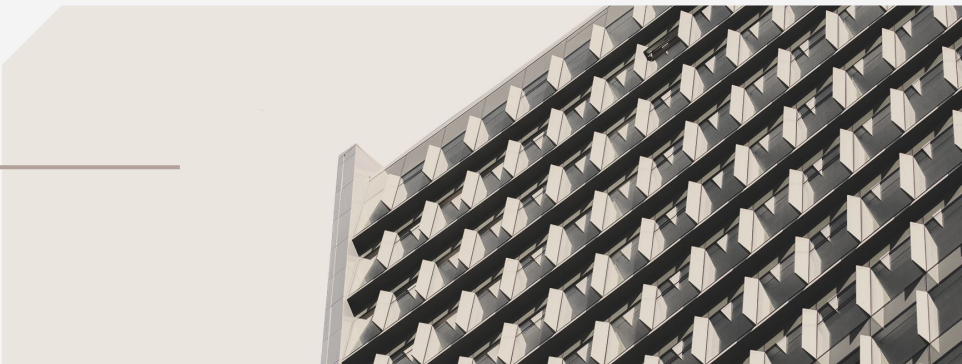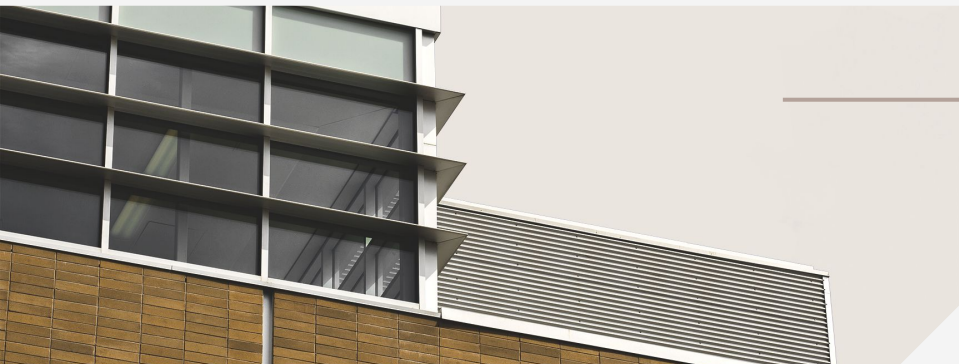
Our Mission

To tip the scales back in favor of the consumer we are analyzing the current market of AirBnb listings and returning an exact fair price for each listing through a browser widget which will decide whether it's a deal or a steal.

Origin of Data

Inside Airbnb is a volunteer organization/website that collects publicly available data from Airbnb, and performs their own cleaning to make it easily accessible.

Inside Airbnb

As proof of concept with started with one city

Los Angeles

The data was scraped on this specific data and is updated up to 4 times a year.

06 June, 2022

Initial data

Bedrooms

How many bedrooms the listing has available.

Accommodates

How many people the listing can fit.

Beds

How many beds are available.

Longitude/Latitude

A semi-occluded location for the listing before booing.
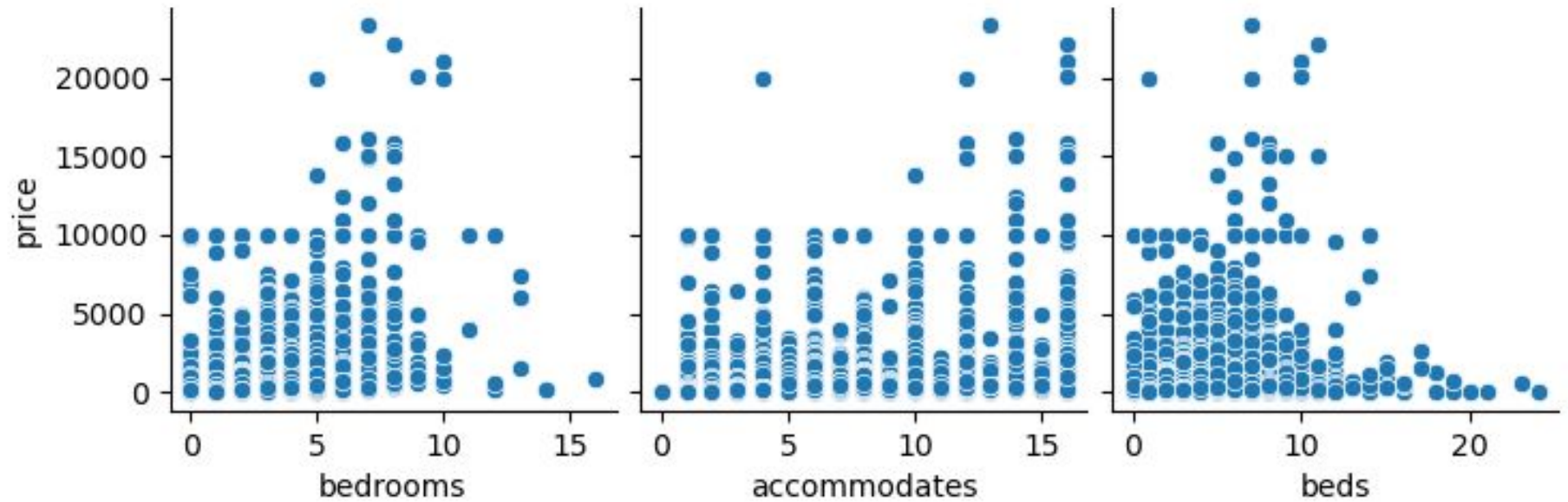
Neighbourhoods
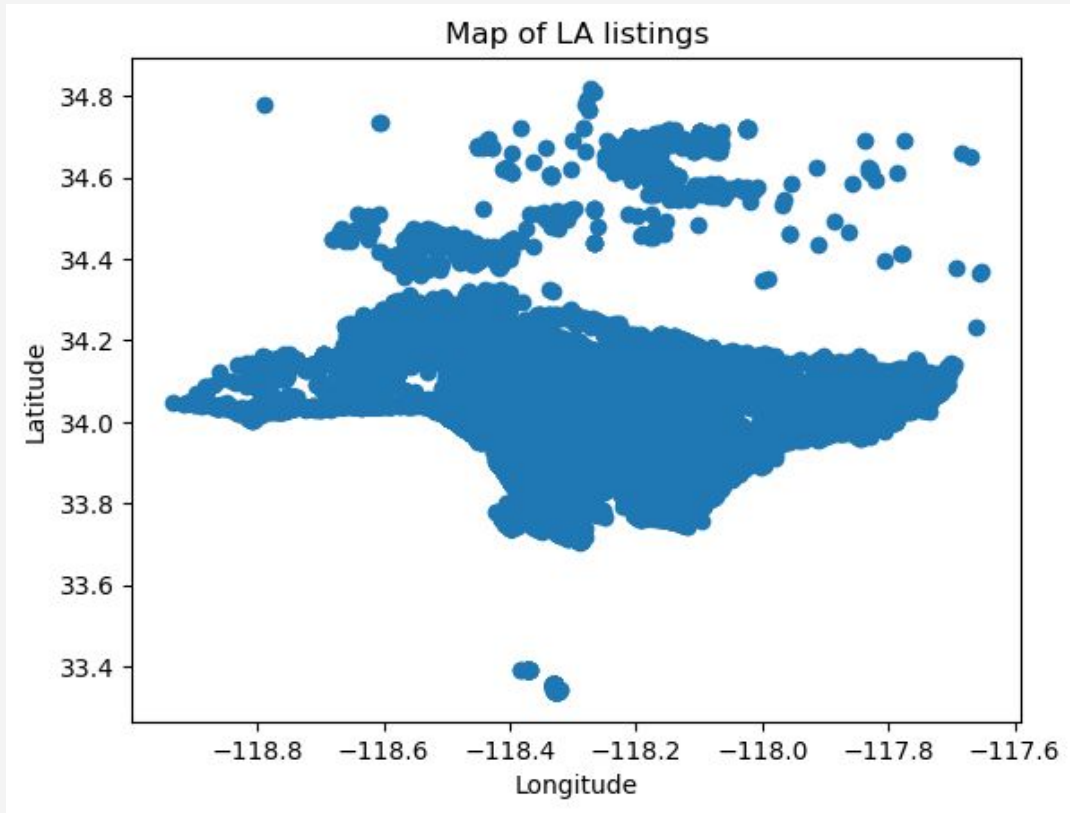
Approximate neighbourhood.
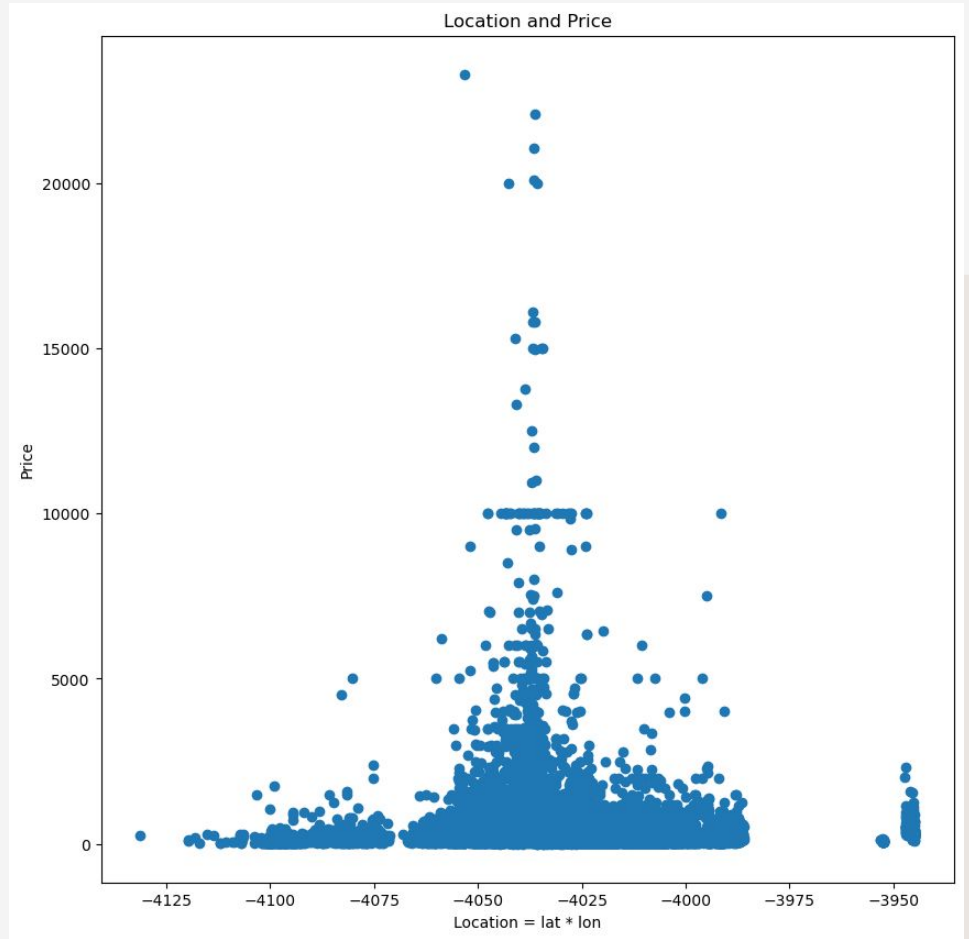
Host

Experience, and location
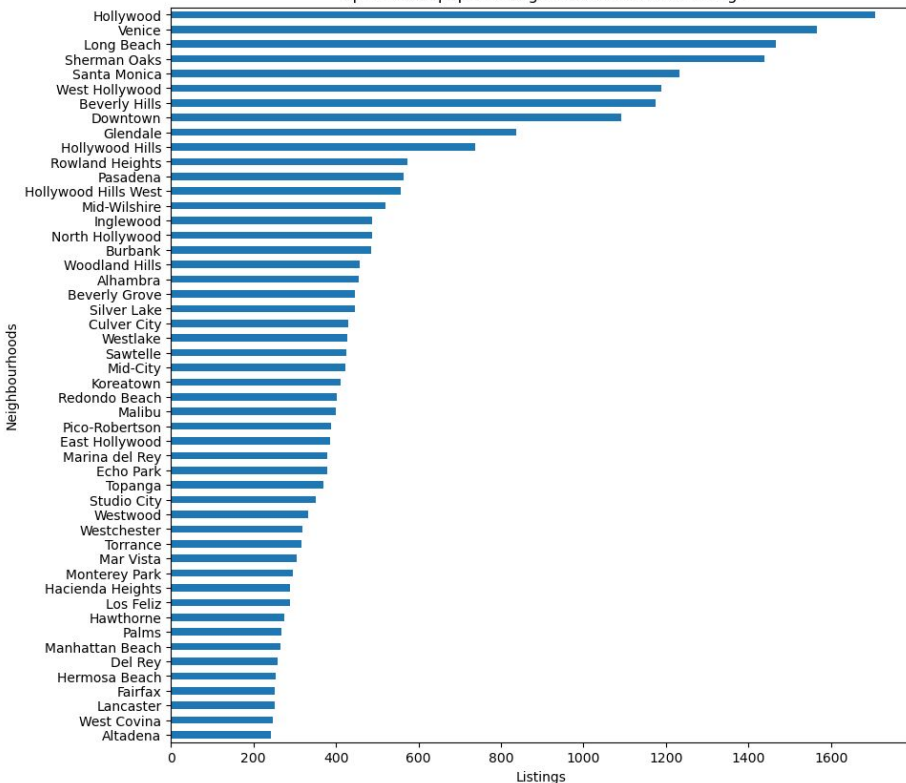
Bedrooms/Accommodates/Beds

Map

Location (Latitude and Longitude)

Location and Price

Neighbourhoods (265)

Top 50 most popular neighbourhoods for LA listings
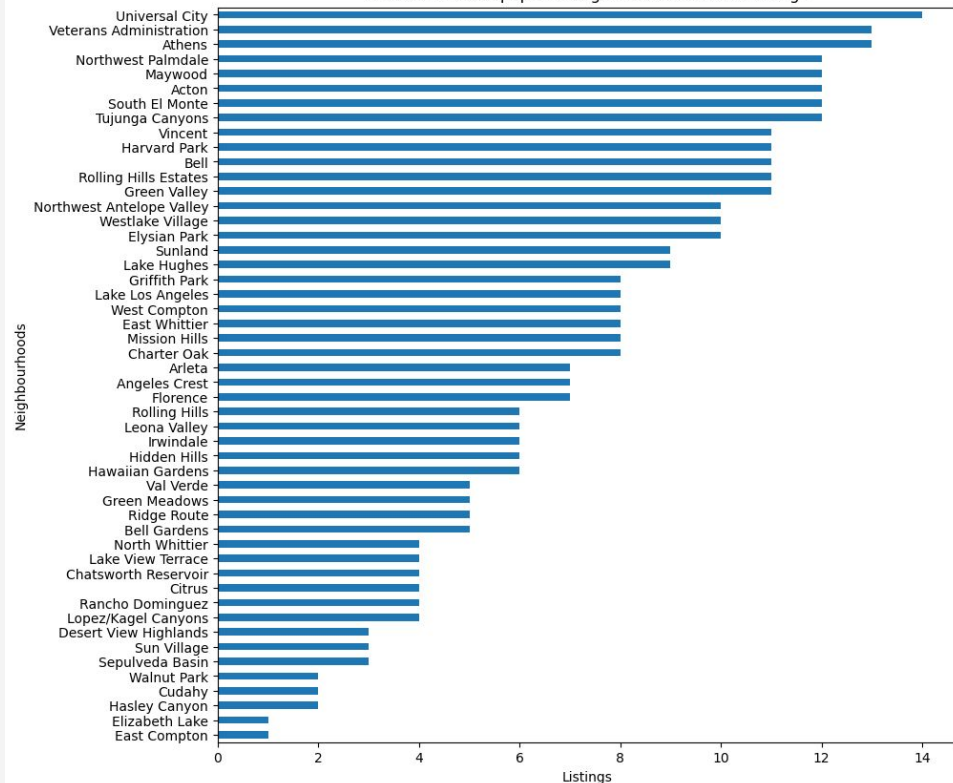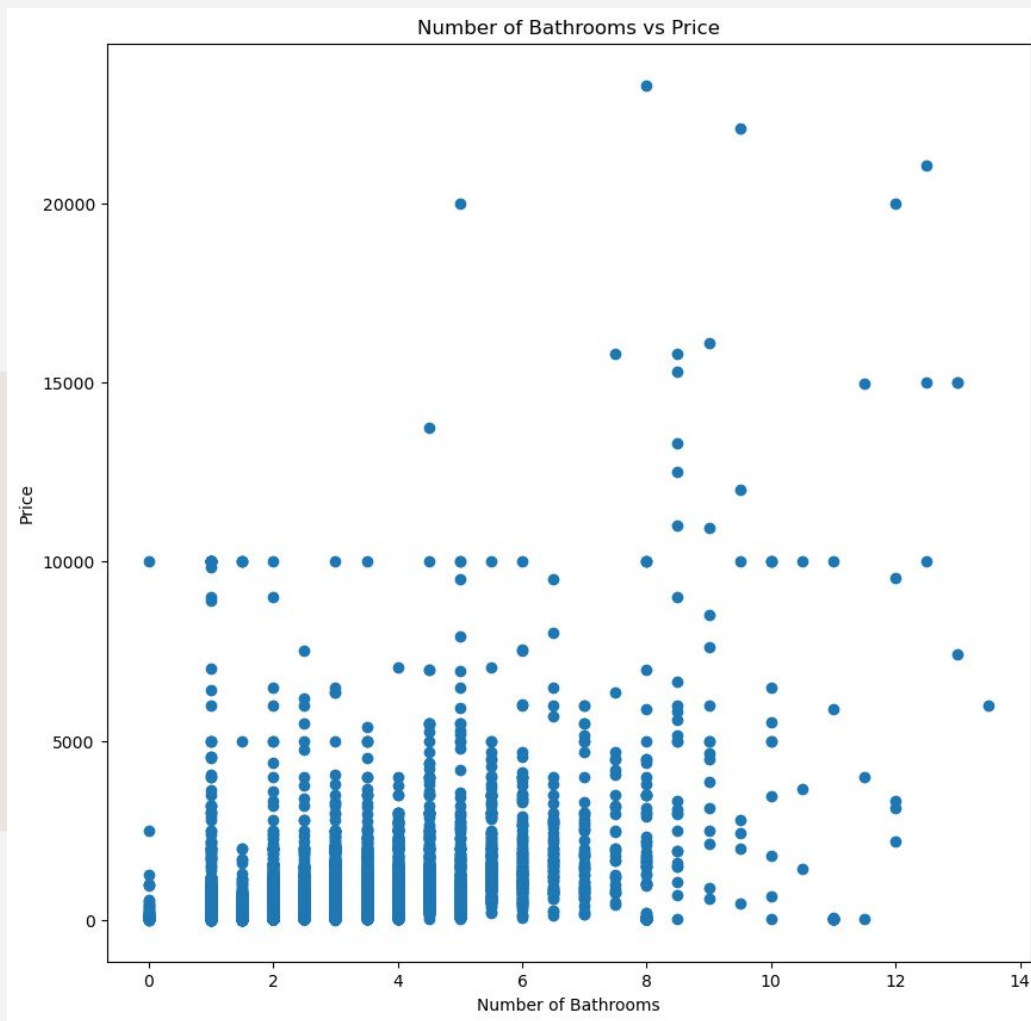
Host
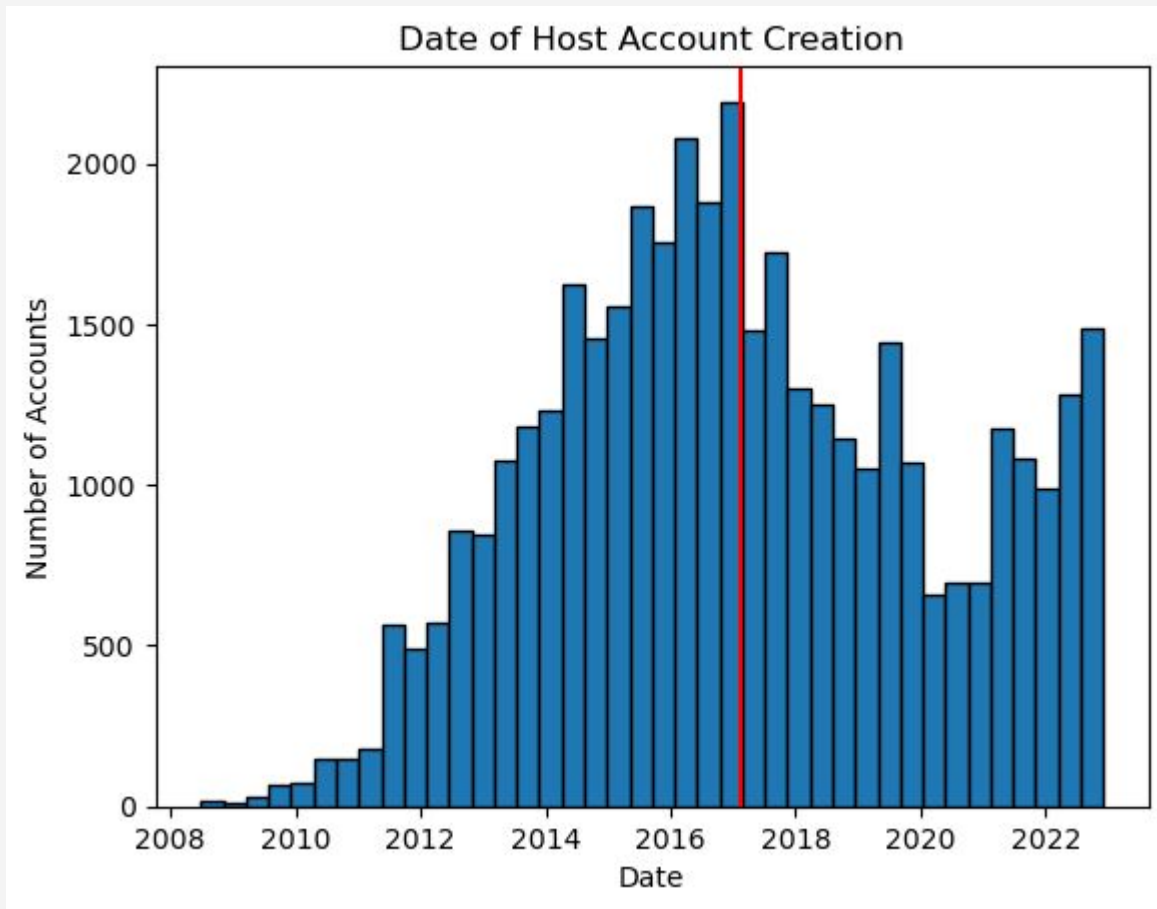
Next Best Contributors

Bathrooms Text

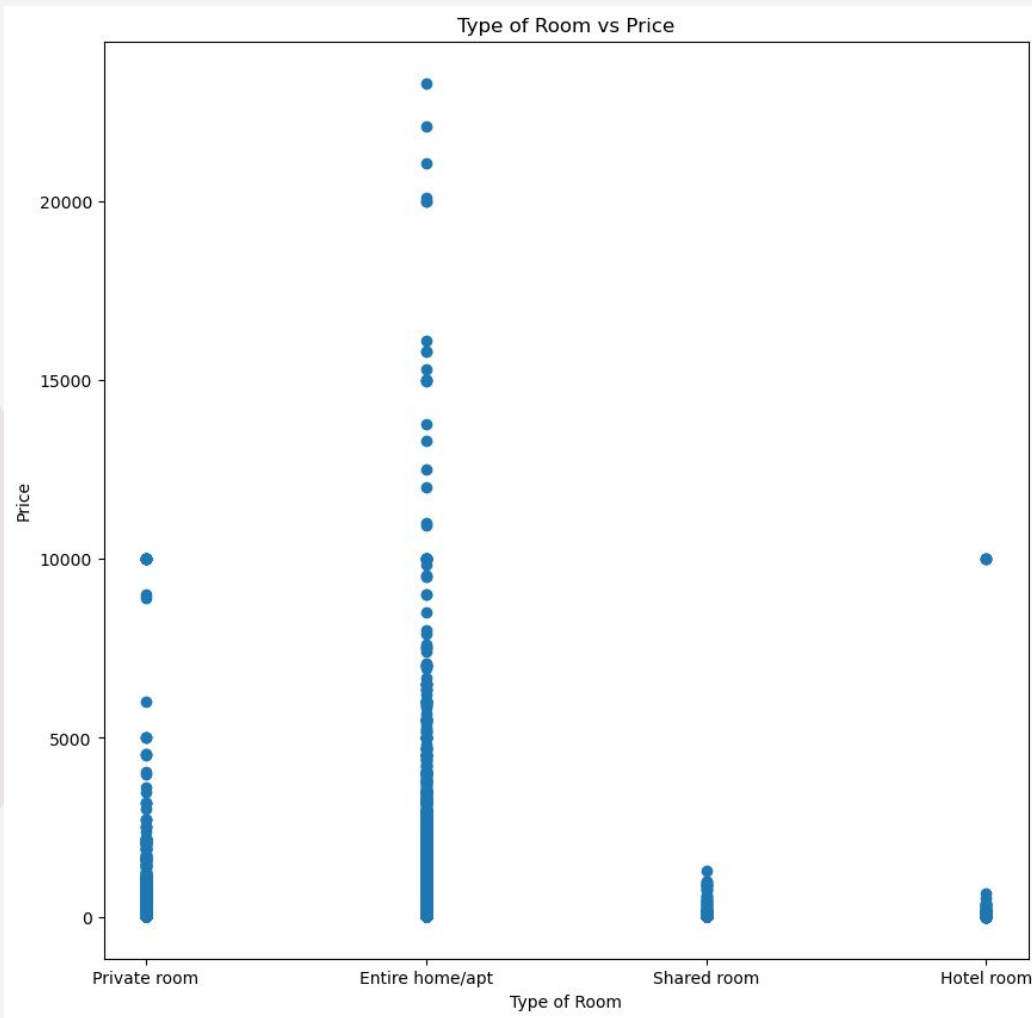51 unique variations (number, shared/private, half baths)

Room Type

1. Entire home/apt
2. Private room
3. Shared room
4. Hotel room

Bathrooms

Number of Bathrooms vs Price

Type of Room

Modeling

Our Models can predict 25% of variability in Price, with each iteration increasing even more. We see this as a good place to start and proof of concept for the widget.
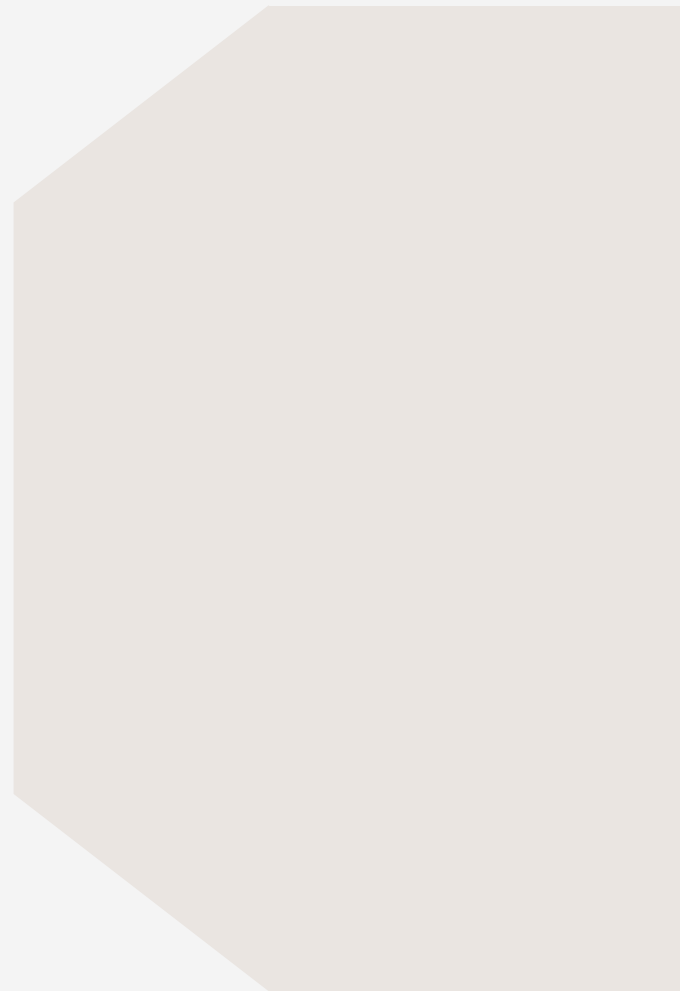
Next Steps

More Data

Different Models

Further Feature Engineering

Releasing the Widget for
public use/test

THANKS

Any questions?