



# Exploratory Data Analysis

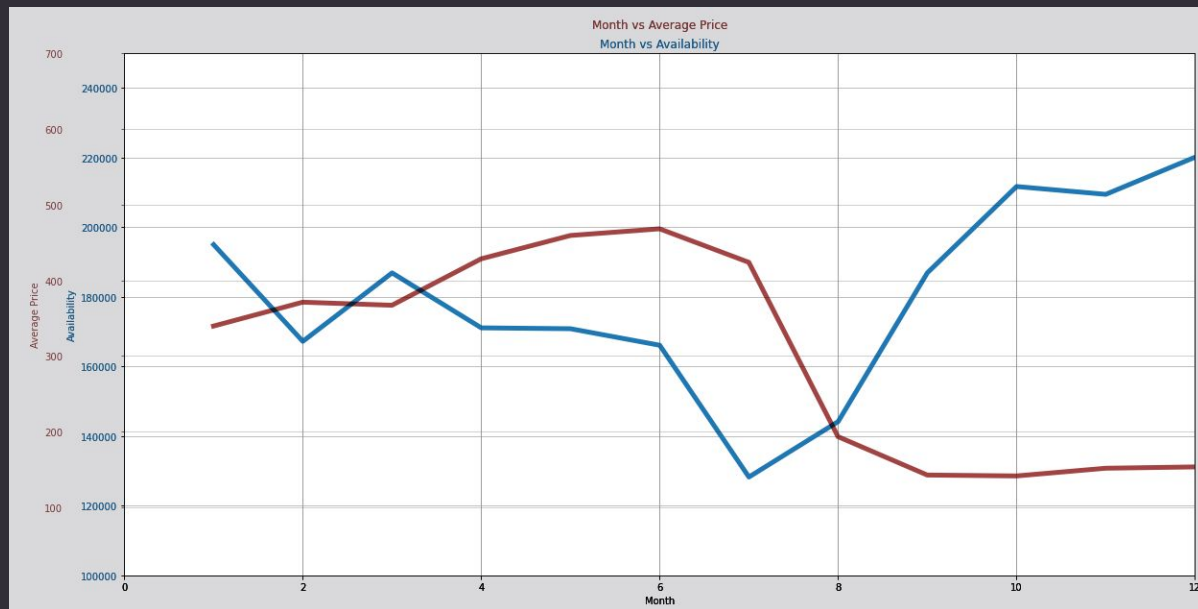
Athens



# Overview

- Different months in relation to availability and average price.
- Price ranges, room types and reviews.
- Correlation of price and amenities.

# Month / Availability & price



## During Summer

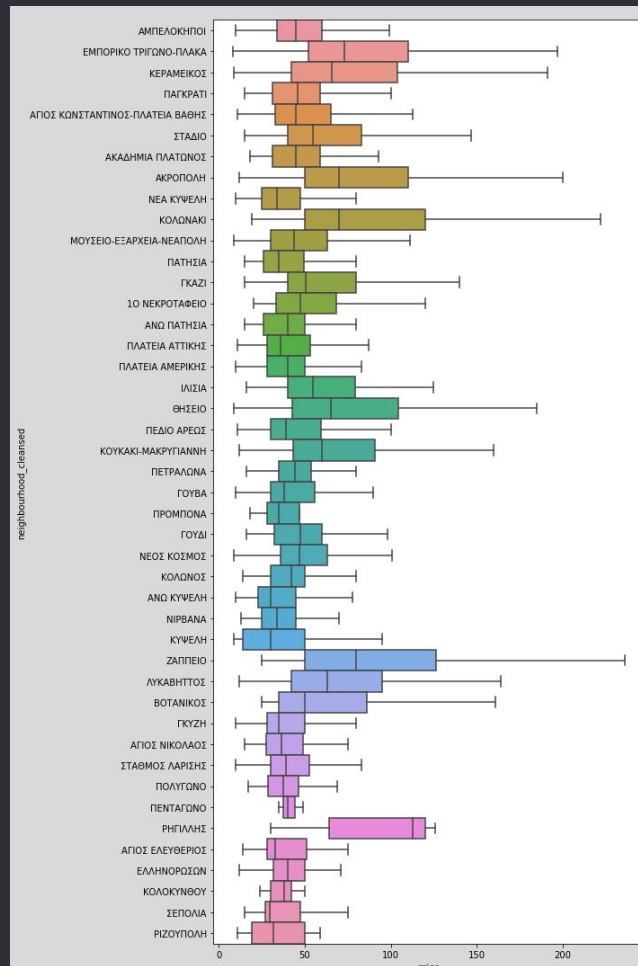
- Lower availability
- Higher average prices

# Price range per neighbourhood

We observe the highest price range at :

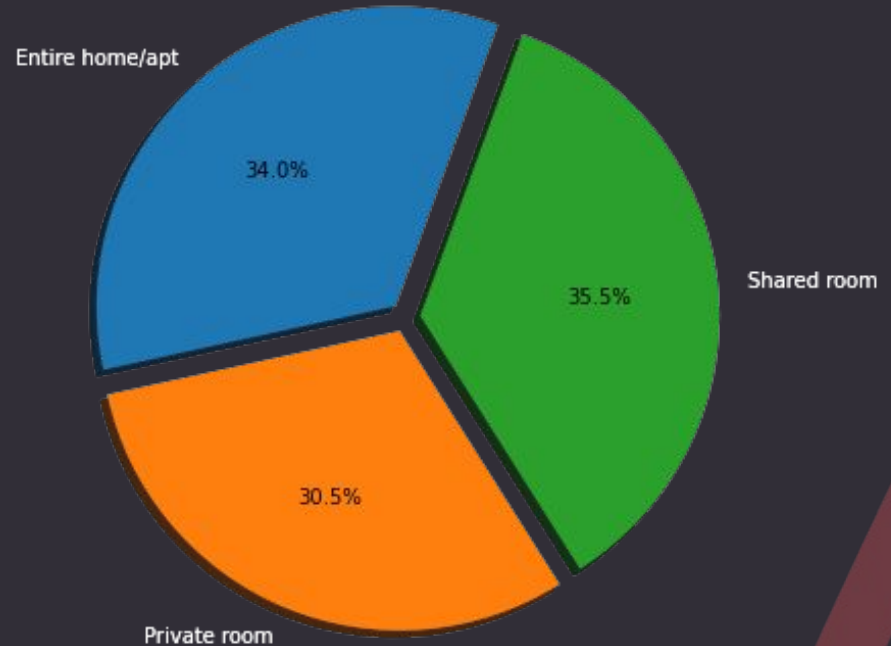
- Plaka
- Keramikos
- Akropolis
- Kolonaki
- Thisio
- Zapio

All located in the center of Athens



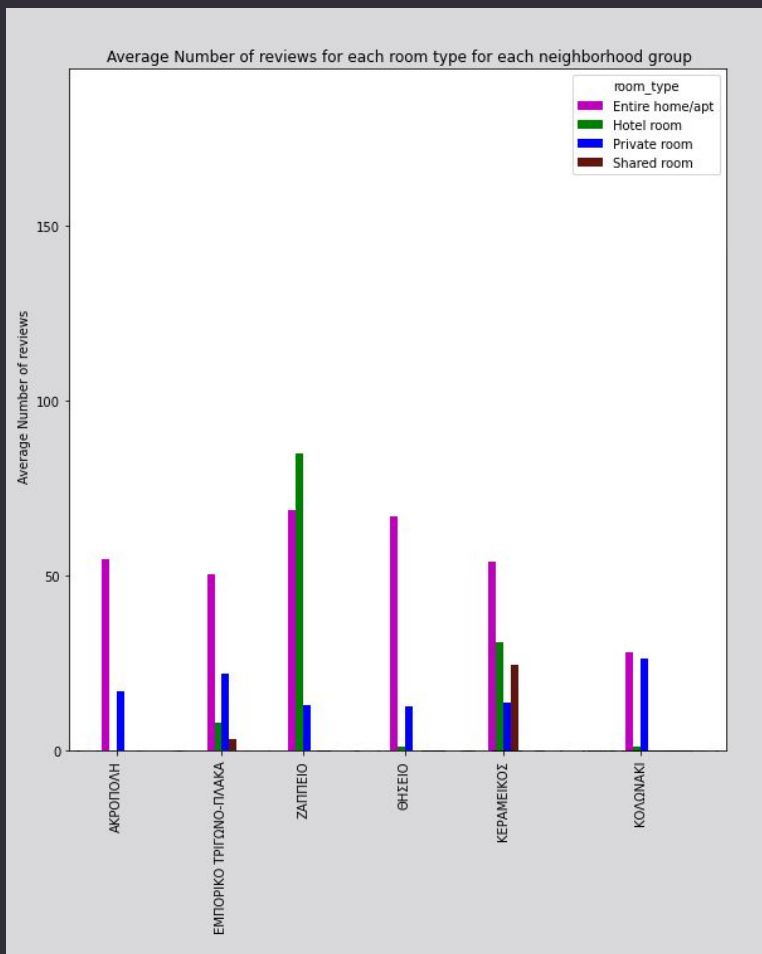
# Room types in Athens

Different room types in Athens seem to be equally distributed.



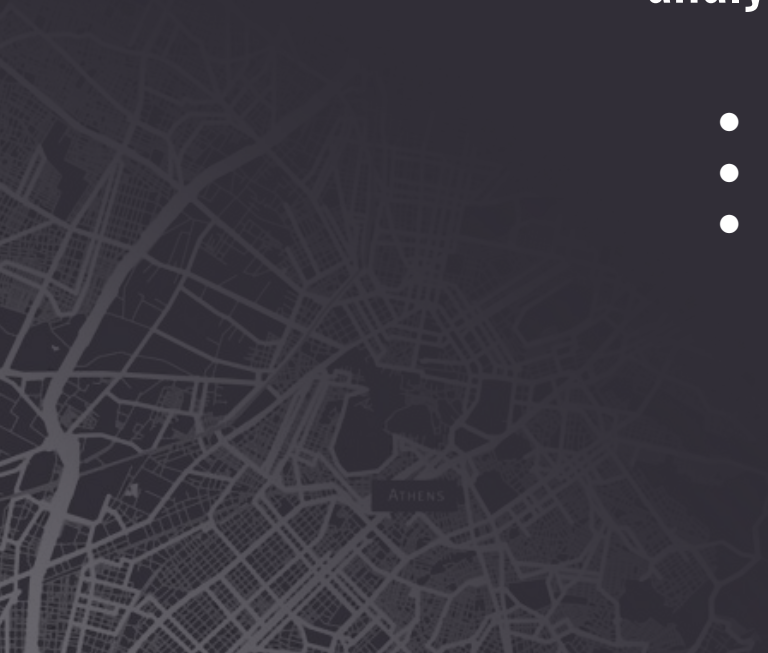
# Room type reviews

In the neighbourhoods of interest “entire homes” seem to have the most reviews, followed by “private rooms”.

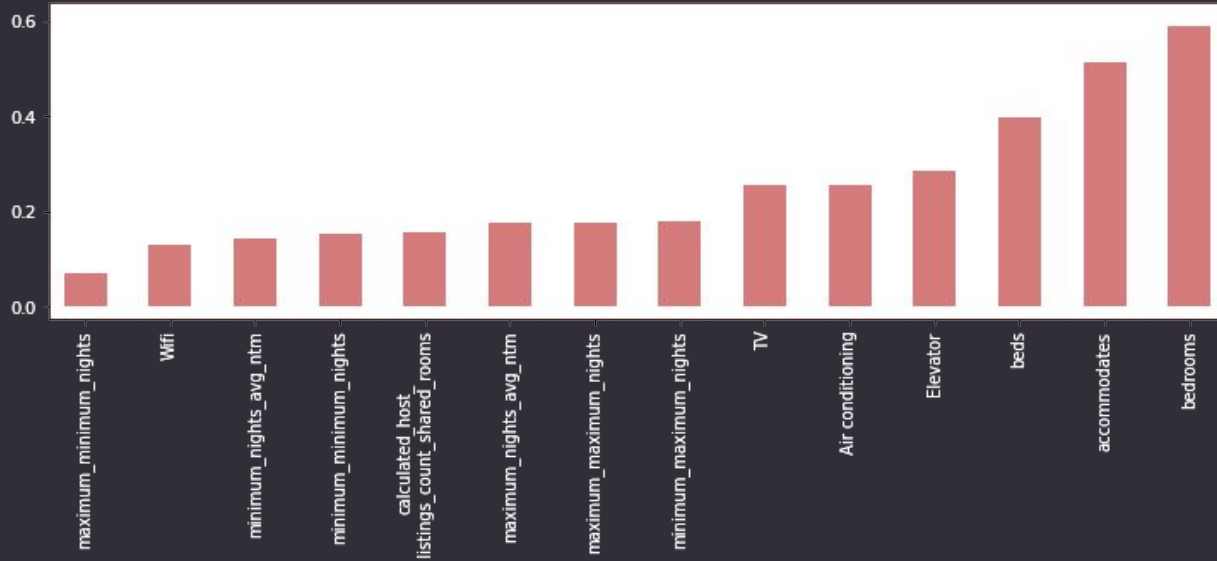


## Comparing number of reviews with the characteristics we analysed in previous slides

- Neighborhood: Plaka
- Room type: Entire home
- Average price: 52.28



# Price to Amenities correlation



We can observe that bedrooms, accommodates and beds are the most important amenities in relation to price while the rest that follow seem to be almost equal among them.



# Conclusion

- During summer season we can see increased demand and that reflects in prices as well.
- “Entire homes” in the center of Athens have the most reviews, wider price range and overall higher prices.
- Bedrooms, beds and accommodates have the highest correlation to price.

# Sources:

- [kaggle.com](https://www.kaggle.com)(“Seattle AirBnB Data Analysis”, “Data Exploration on NYC AirBnB” )
- [Stackabuse.com](https://www.stackabuse.com)
- [Stackoverflow.com](https://stackoverflow.com)
- [insideairbnb.com](https://insideairbnb.com)

A dark, stylized map of Athens, Greece, serves as the background. The map shows a dense network of streets and landmarks, with the word 'ATHENS' visible in a small box. A thick, curved red line runs along the bottom right corner of the slide.

# Thank you