



# Exploratory Data Analysis

Athens



# Overview

- Different months in relation to availability and average price.

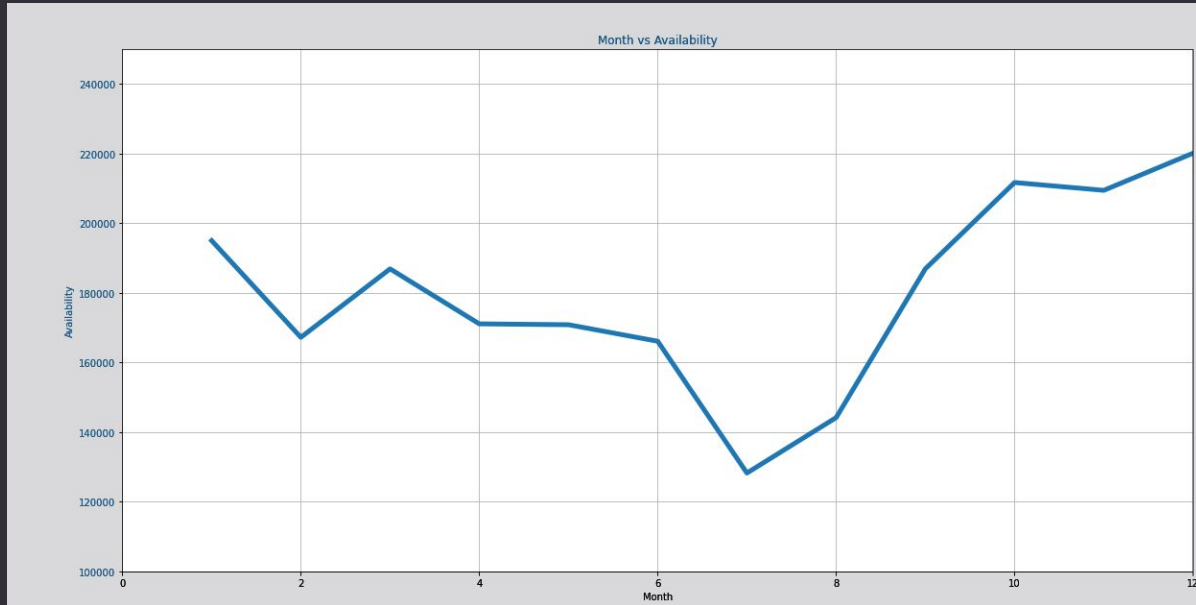
# Overview

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- Price ranges, room types and reviews.

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- Price ranges, room types and reviews.
- Correlation of price and amenities.

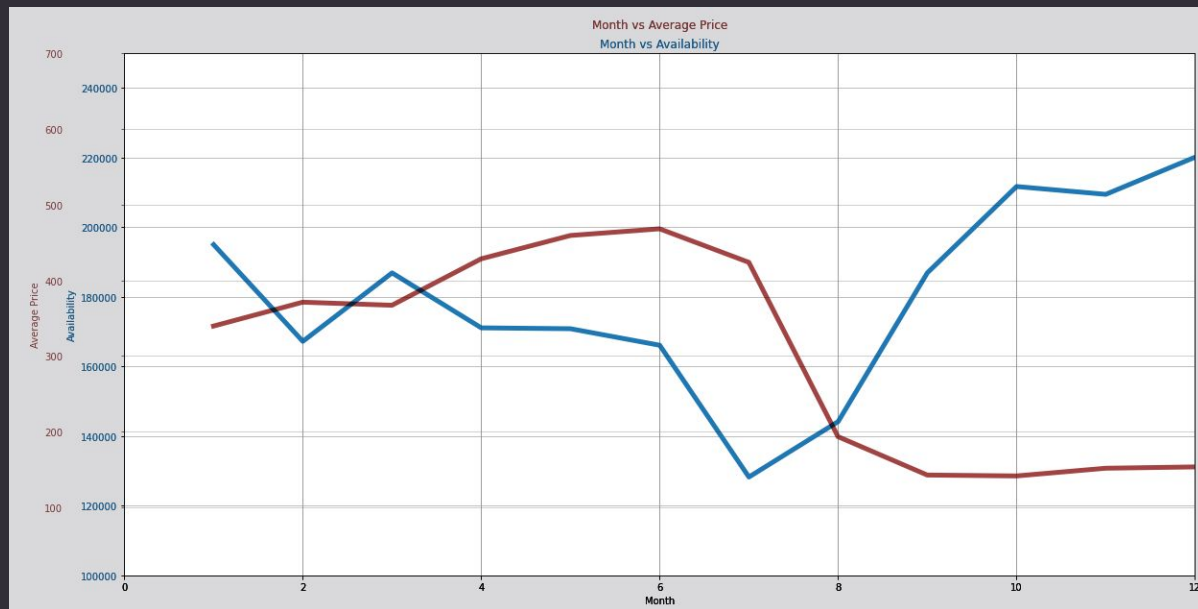
# Month / Availability & price



## During Summer

- Lower availability

# Month / Availability & price



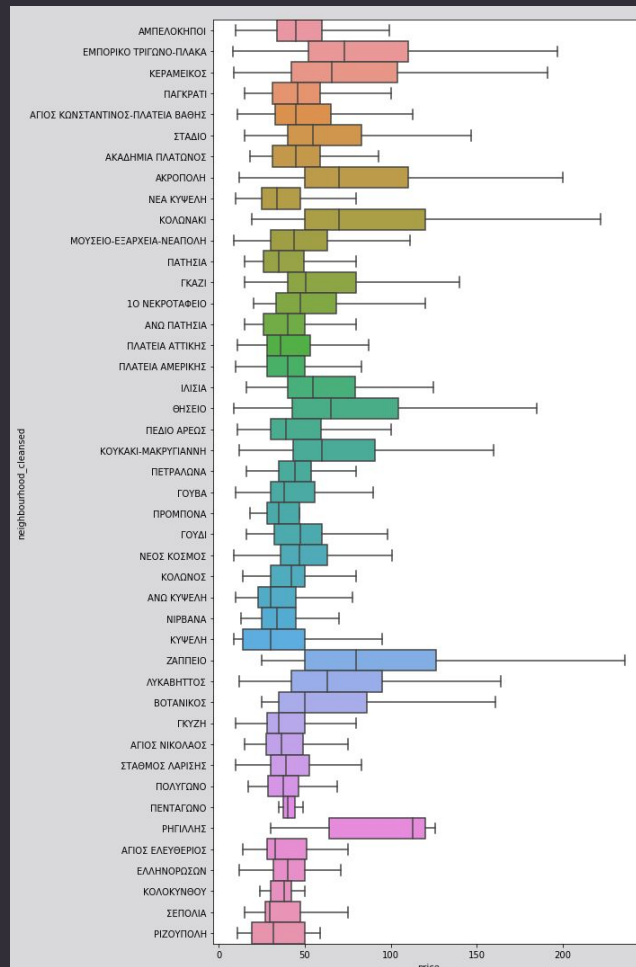
## During Summer

- Lower availability
- Higher average prices

# Price range per neighbourhood

We observe the highest price range at :

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

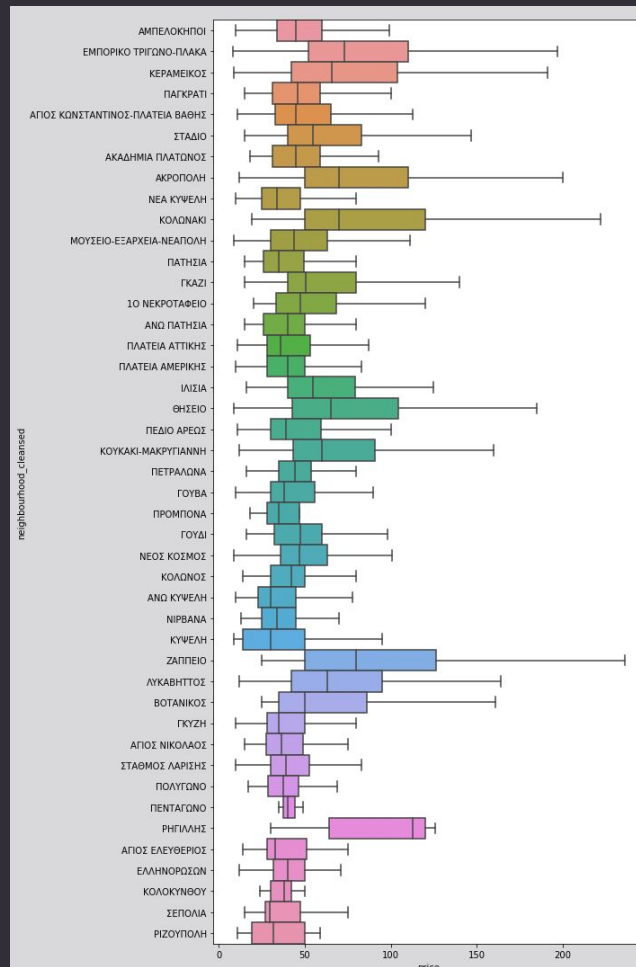


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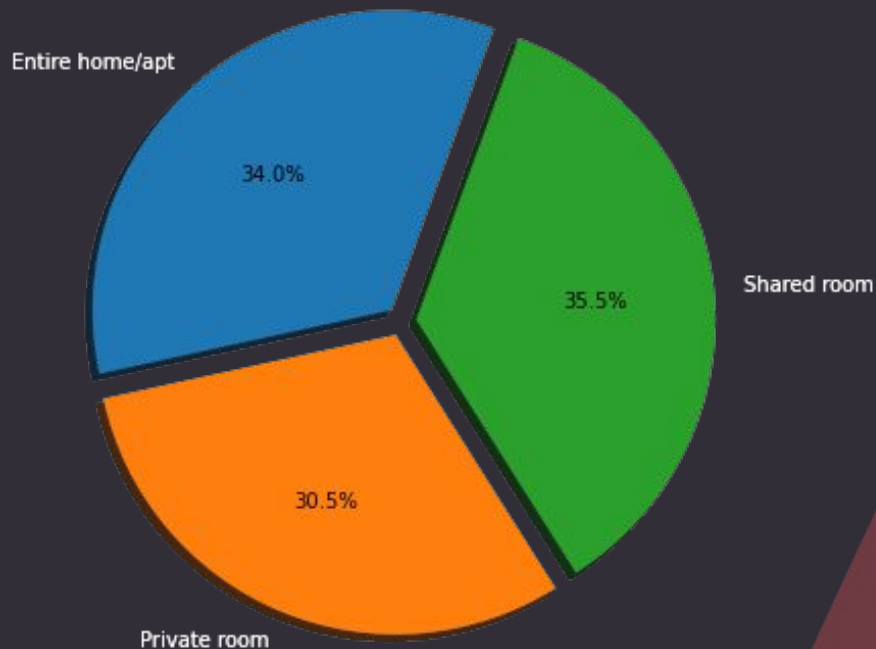
All located in the center of Athens





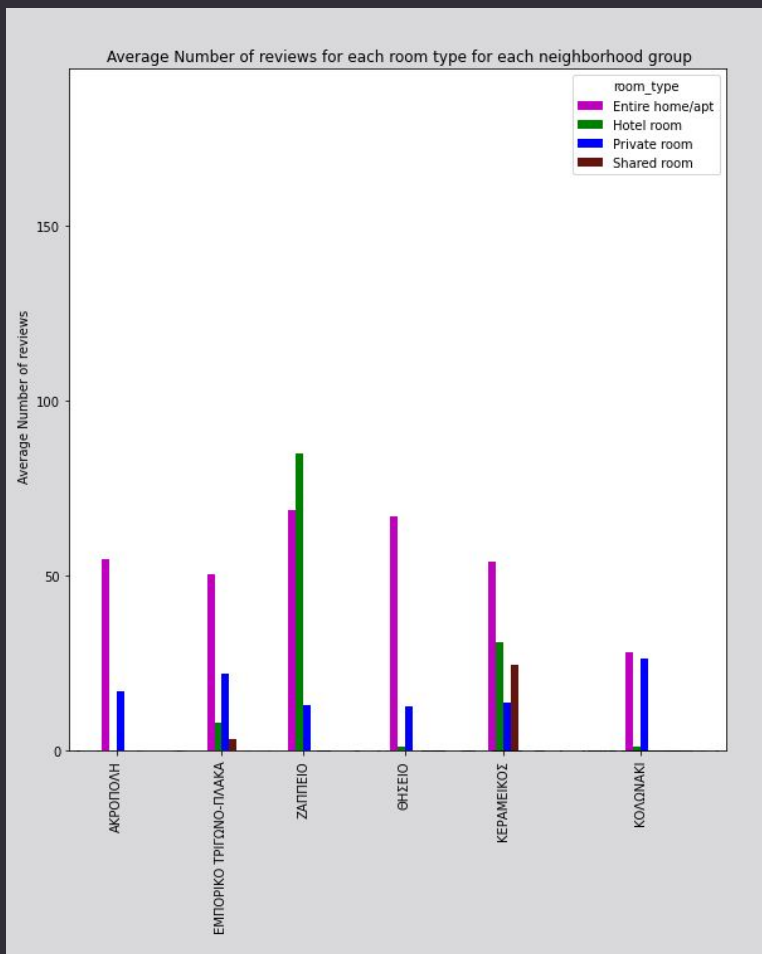
# Room types in Athens

Different room types in Athens seem to be equally distributed.



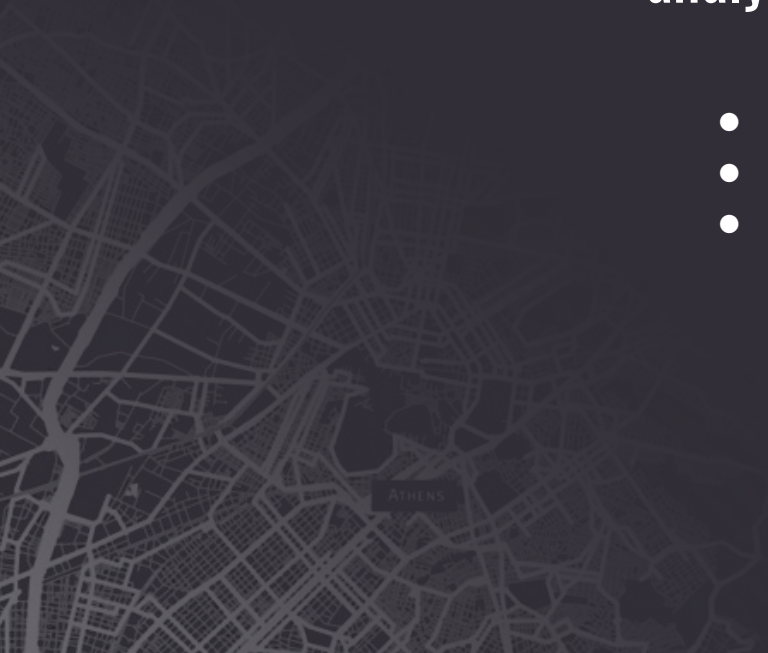
# Room type reviews

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

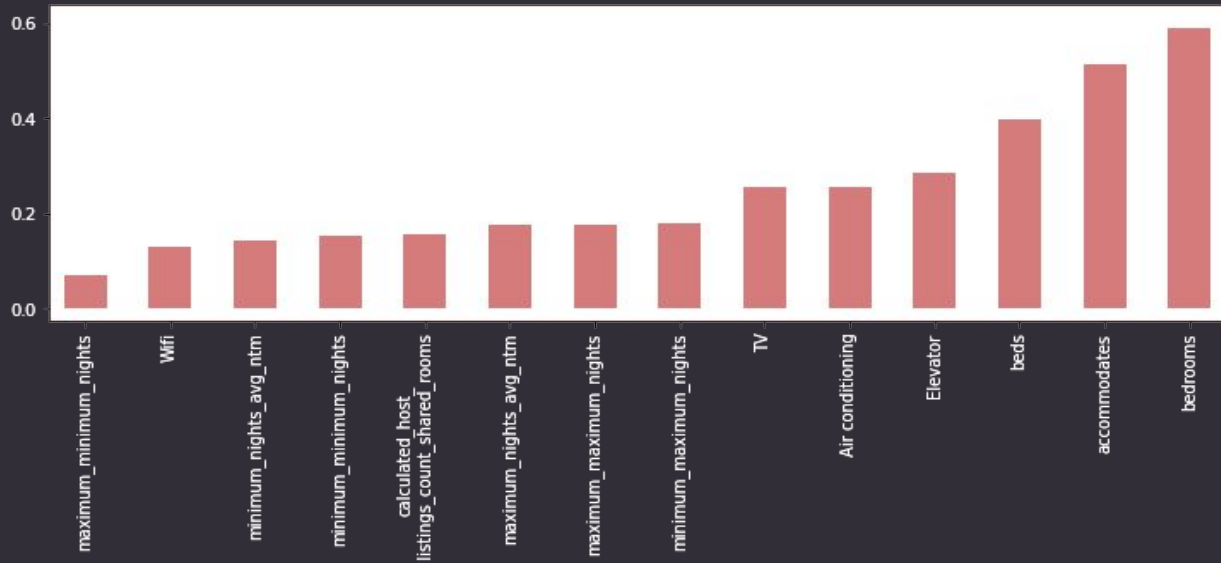


## Comparing number of reviews with the characteristics we analysed in previous slides

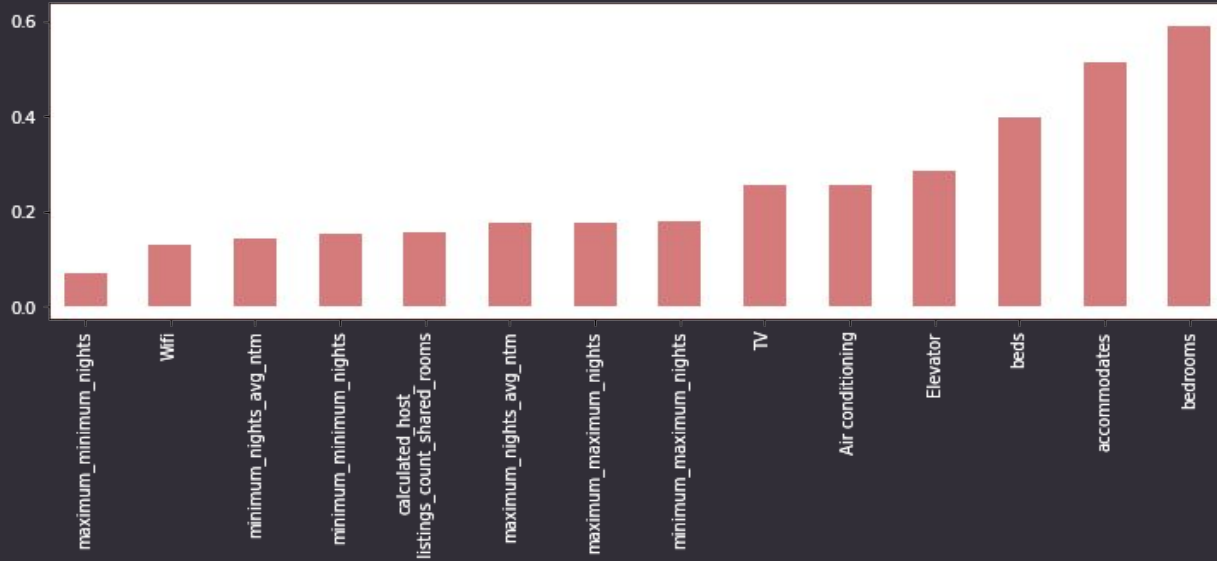
- Neighborhood: Plaka
- Room type: Entire home
- Average price: 52.28



# Price to Amenities correlation



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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 is positioned in the bottom right corner of the image.

# Thank you