

# *The battle of Neighborhoods*

Capstone Project

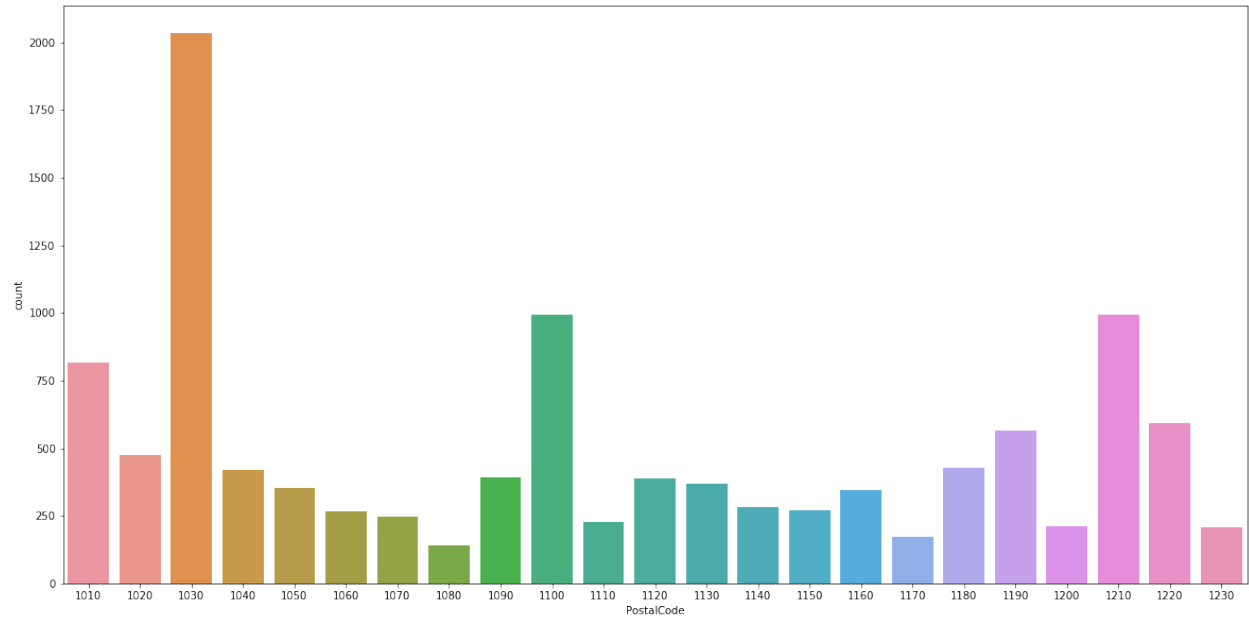
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# Introduction

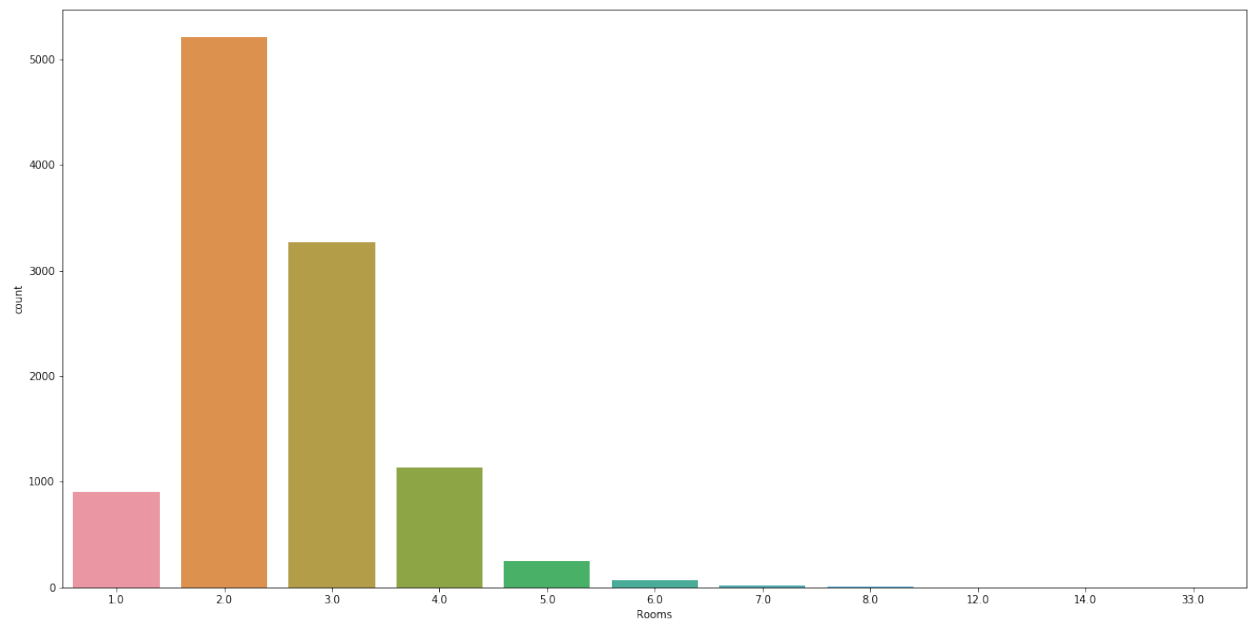
- In this project we will help people who are looking for renting an apartment in Vienna and they can find the following feature in this study:
  - Which district has cheaper rent
  - Based on their needs, which district is better for them
- Or, if they already live in one of the 23 districts in Vienna they will be able to see:
  - the average price of renting an apartment in all districts
  - finding similar districts to theirs with lower rental cost

# Source of Data

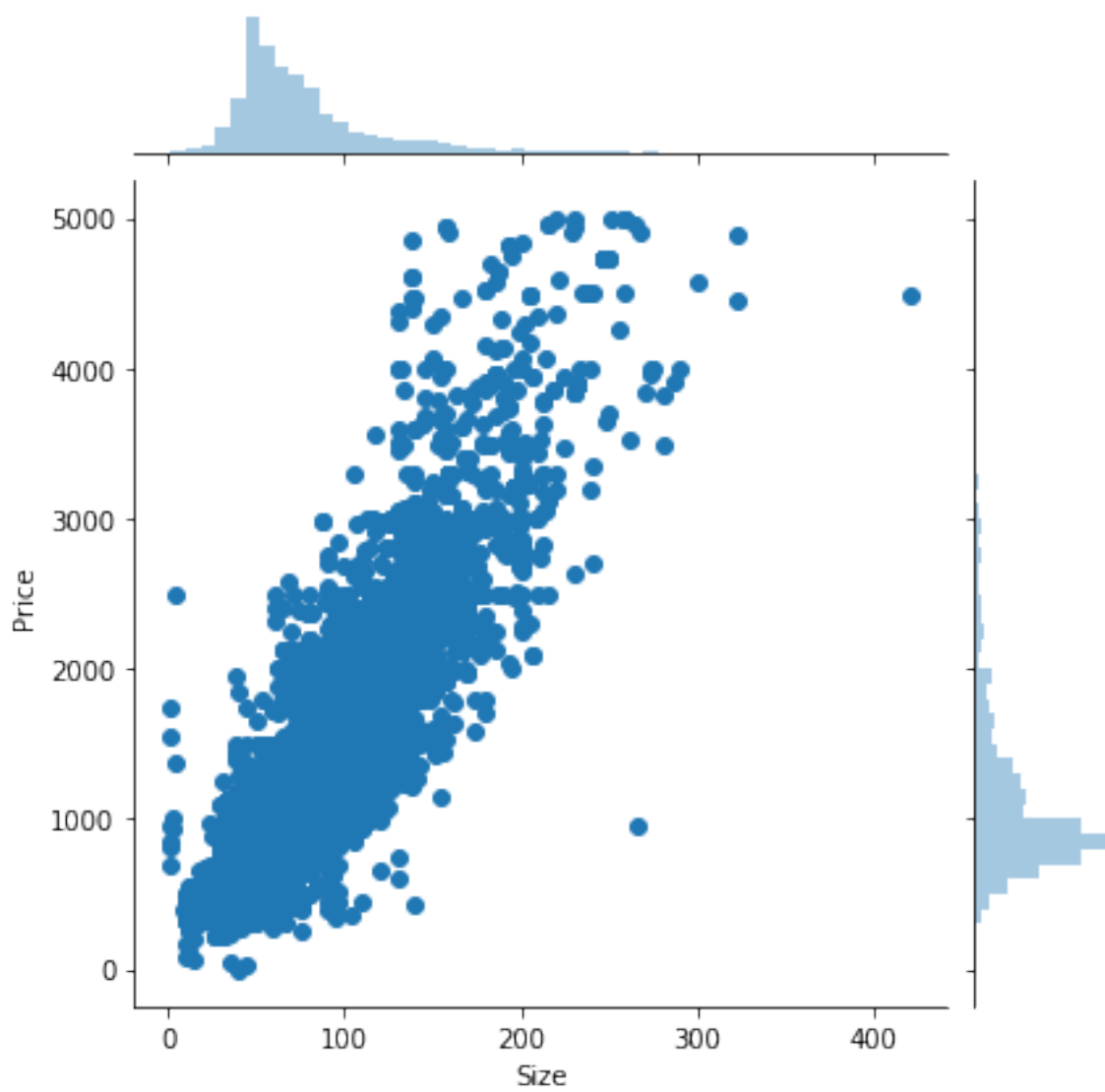
- Data has been collected by scraping a local website (willhaben.at)
  - In total 11190 apartments with data like size, number of rooms, address, and price
- Using geopy coordinates for each district are obtained
- Foursquare data to collect top 10 venues for each district



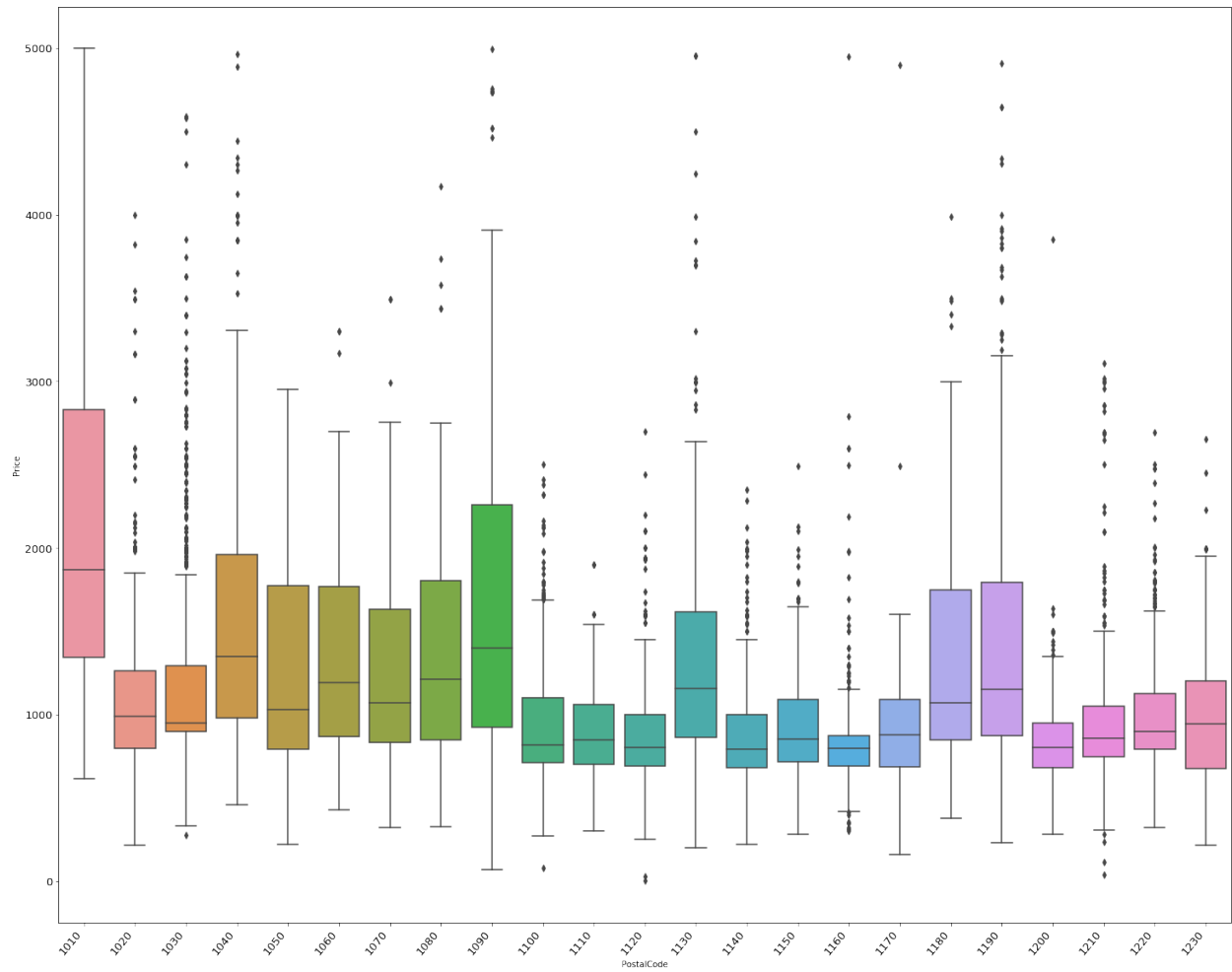
Most of rental apartments placed in district with postalcode.1030 (Landstraße)



Most of rental apartments have 2 rooms.



Correlation between the price and apartment size. As expected, the larger the apartment, the  
higher the monthly rent



From this we can see that the most expensive district is Innere Stadt.

