

## KING COUNTY

Housing Ananlysis

#### THE OBJECTIVE

For this project we wanted to take data from housing market of King county to assist seller to sell his/her expensive properties

As the stake holder was not available to answer all question we made certain assumptions.

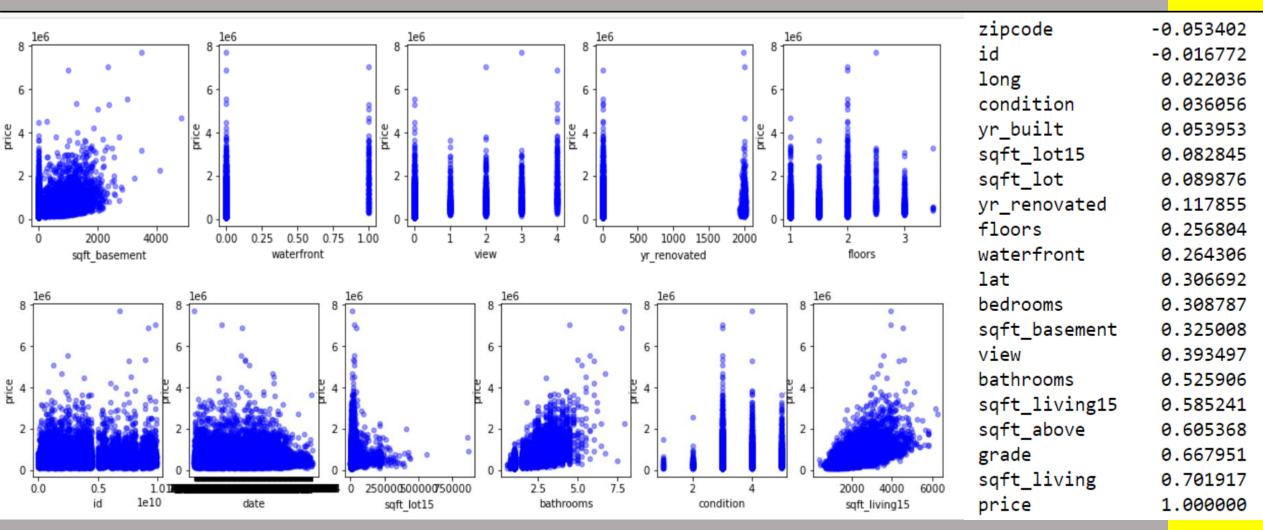
#### **Assumptions:**

- 1. Houses are at the water front
- 2. Kept in good condition
- 3. Houses are in the city centre
- 4. Have good grade from the county
- 5. The term "expensive" applies to today's value perhaps

### Little insight to the data

- 1. The average price of the house is \$540000
- 2. The average bedroom per house is around 3
- 3. The most expensive house cost is \$7,700,000
- 4. 40 % of the houses fall under expensive category assuming the price above the avg. price of the house

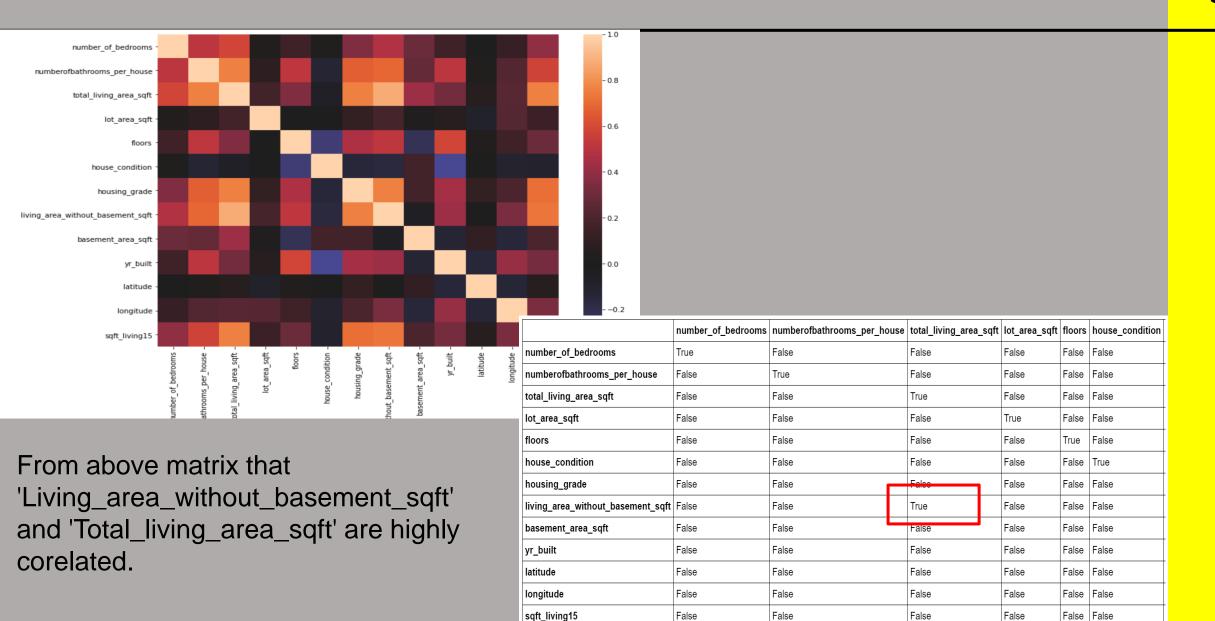
#### Data distribution and overview



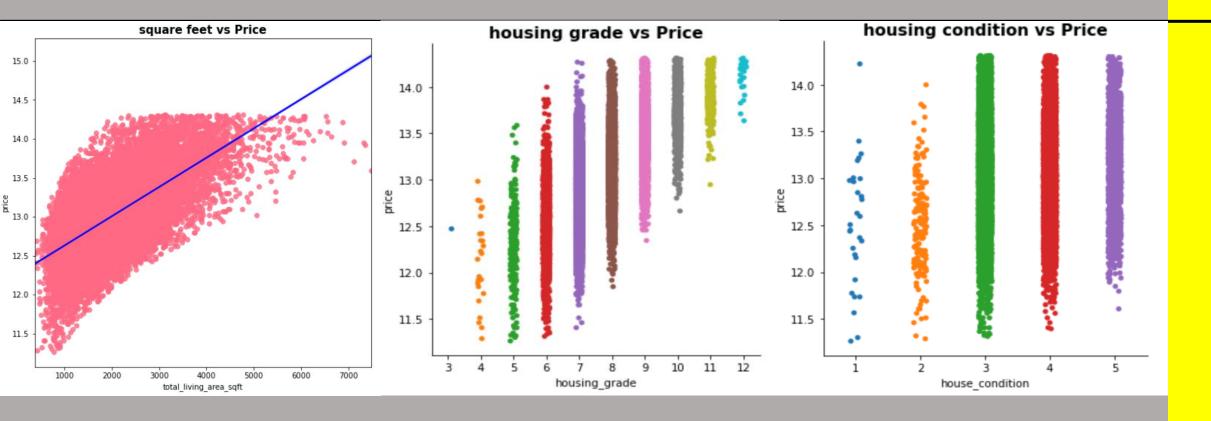
#### We conclude:

- we can drop certain datas having low corelation value to price

### Which variable is has more multicollinearity



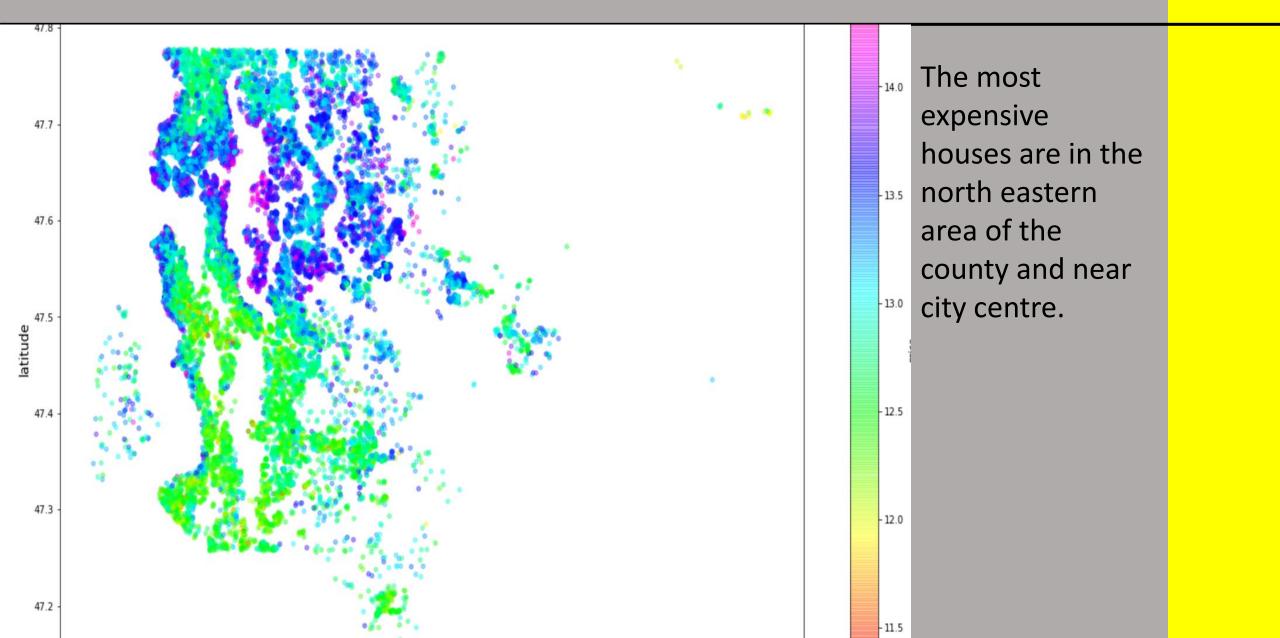
## Factors having more impact on the price



#### We conclude:

- The living area and the grade has greater impact on the price
- Housing condition has a meaningful impact on the price

# Housing price distribution throughout King county



### Conclusion

- We can see that the houses located in north east of the king county have a higher sales price
- Very expensive houses with price above avg. price are around 40 % sold in 2 years
- Demand seems to be there, might take more time to sell depending on avg income of the population(No income data)
- Housing condition could fetch more profit after selling
- Housing grade does play an important role in selling
- Our assumption of waterfront is not necessarily correct