

# Ames Housing Sale Price Predictions

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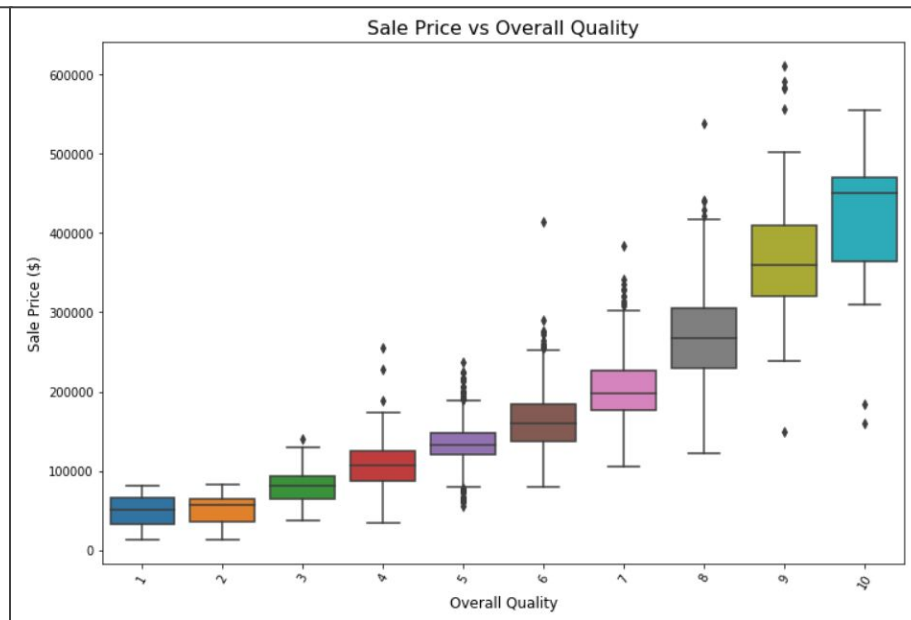
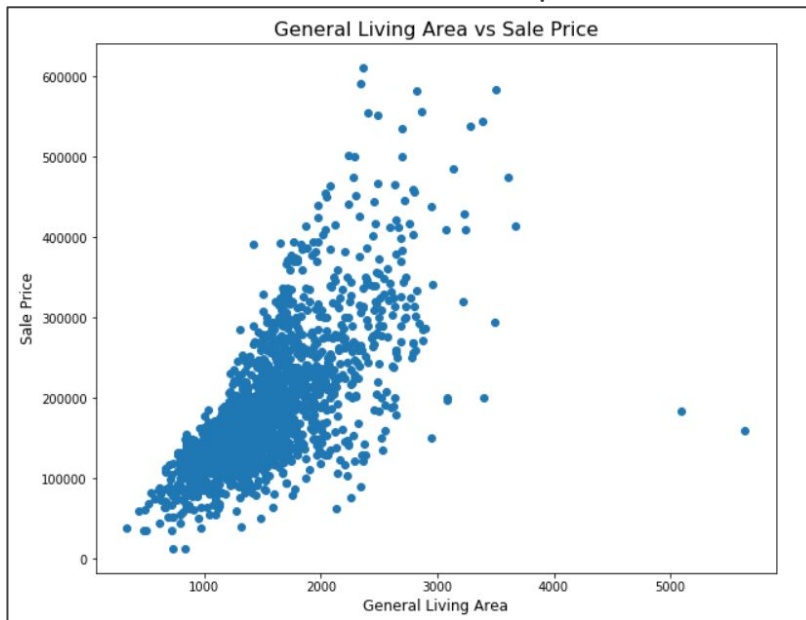
# Problem Statement and Objective:

- When houses go on sale, buyers want to get as sense of what kind of houses can fit within their budget.
- Each buyer has their own preferences and aspects they wish to forgo when considering their budget.
- Our Objective is to **create a model, identifying the key features and predict housing sale prices, to make better recommendations.**

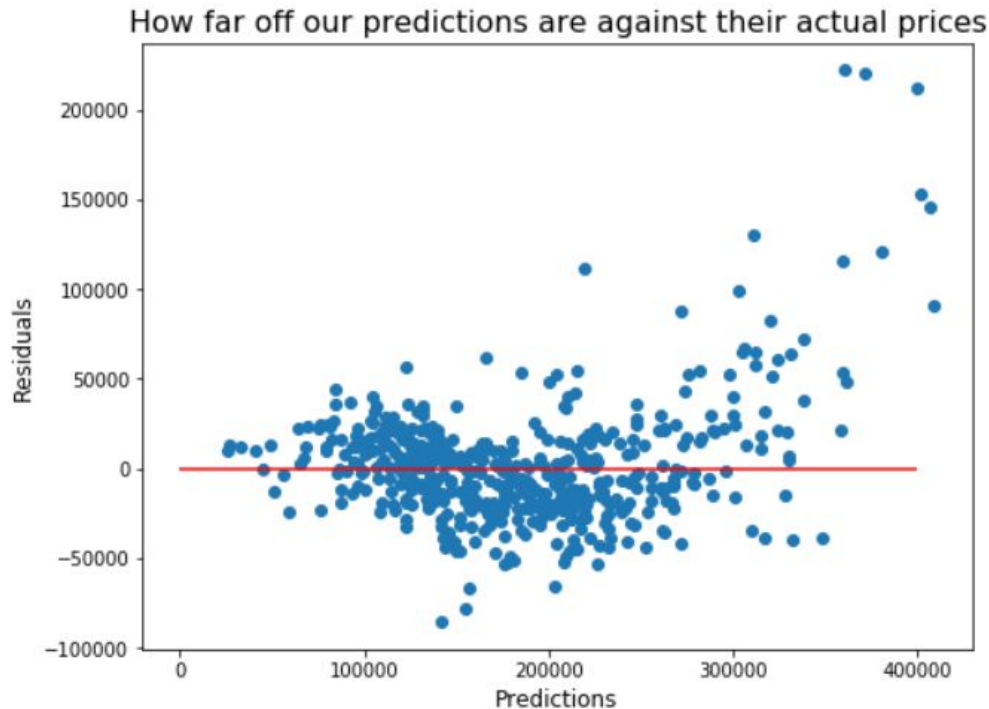


# Key Features

- We picked our features using visual representations against Sale Price
- We also used a correlation matrix to filter out aspects that had little influence on the prices



# How does the model fare?



- Residuals represent the difference between our predictions and actual prices
- The closer they are to zero, the more accurate our predictions are
- Majority of our predictions seem to be around  $\pm 50000$

# Conclusion

- Our model consists of 26 features we found to be significant and below are the top 5 most significant ones.
- Other features would have negligible impact on the Sale Price, so you can maximise those as much as you want!



Features	Coefficient
Gr Liv Area	18878.124116
Overall Qual	18672.804359
Exter Qual	9894.967844
Total Bsmt SF	9524.907871
Garage Area	8512.469205