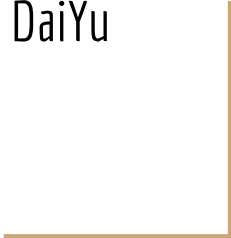




Ames Housing Analysis

By Ruby, Gladys, Jeremy, DaiYu



Problem Statement

- Real estate consultancy firm
- Sales price prediction of houses

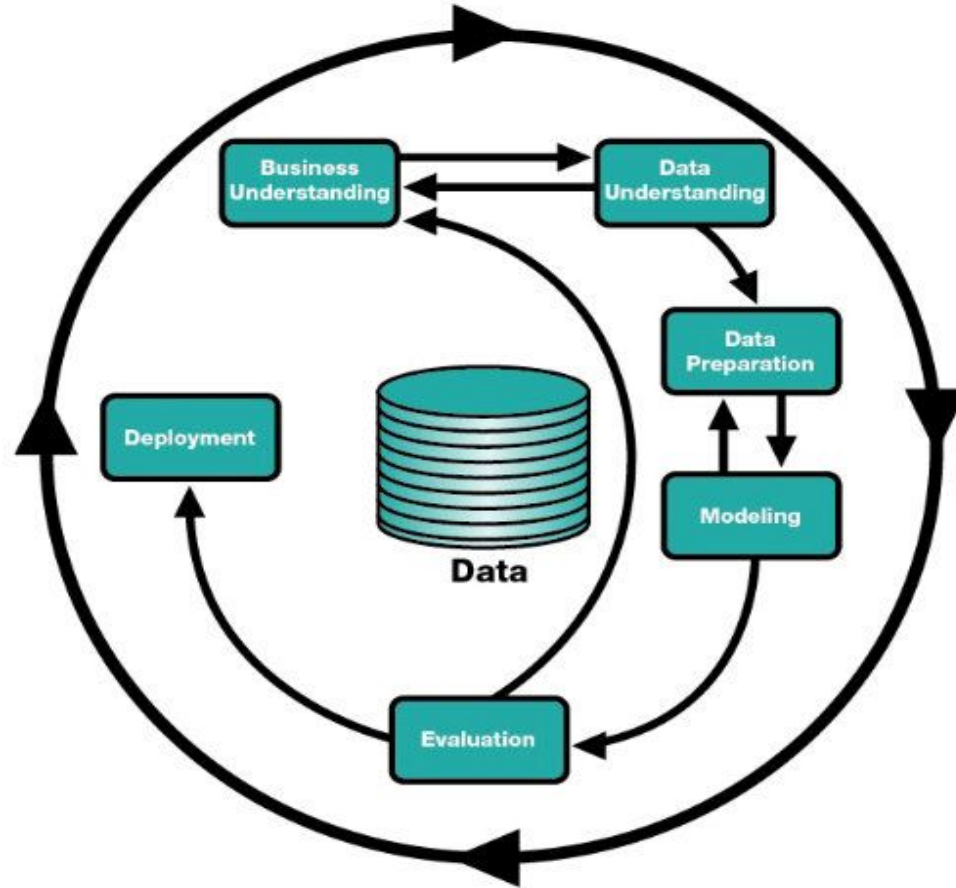
→ Real estate agents

→ House owners / sellers

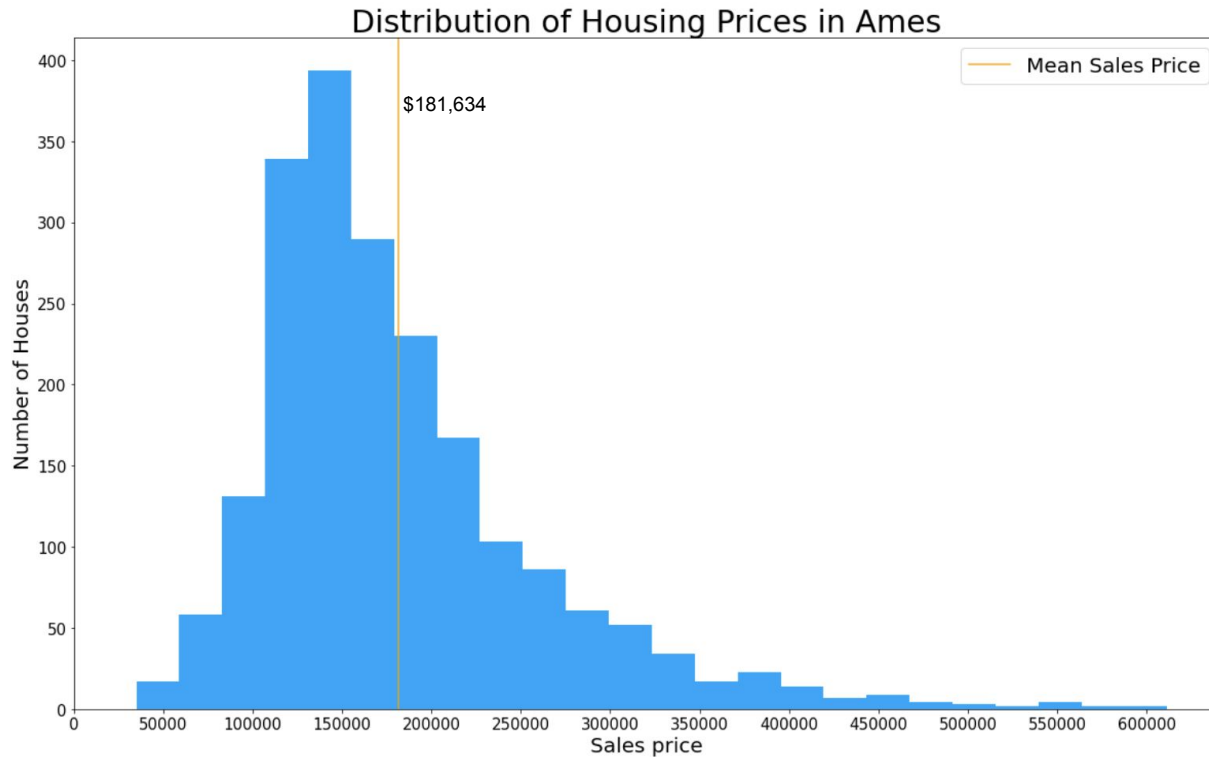
→ Buyers



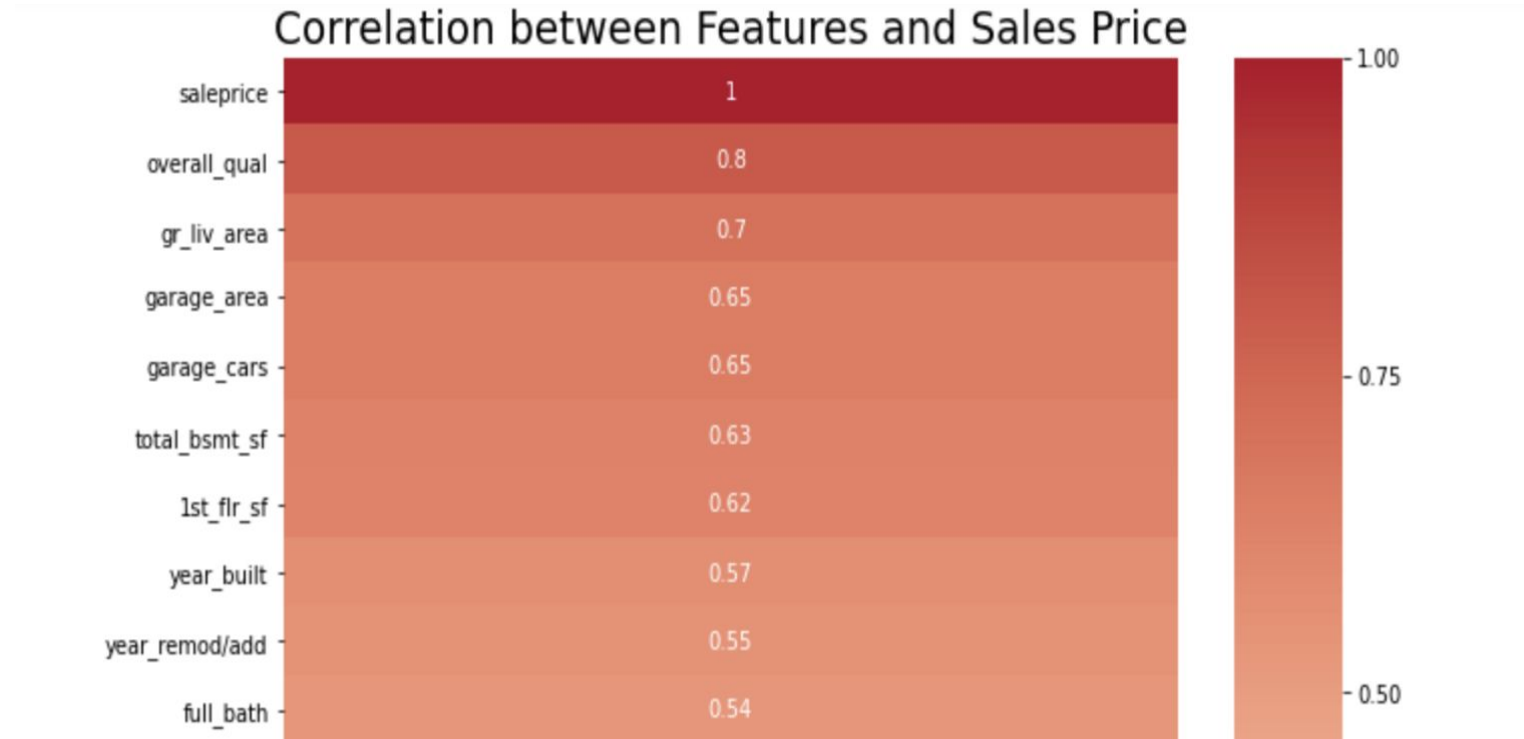
Our Process



Exploratory Data Analysis



Exploratory Data Analysis



Our Model

Score: 92%

Major Contributing Features of Sale Price

1. Location

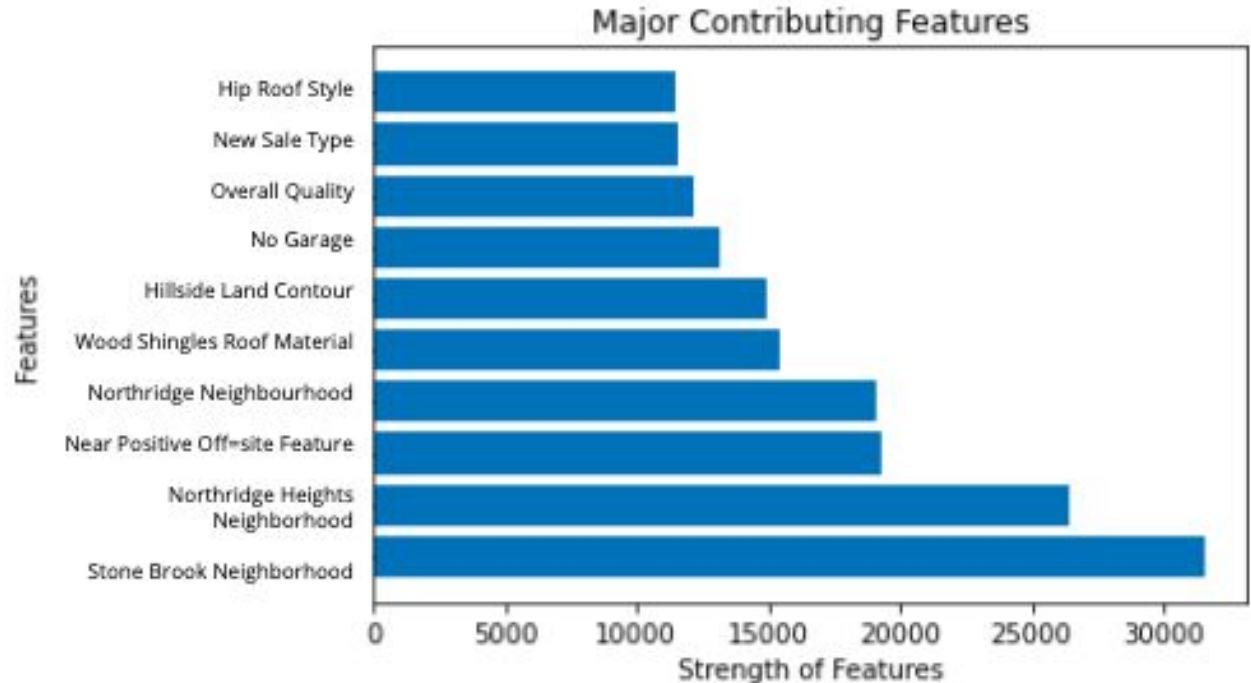
- Neighbourhood
- Near Off-site features
- Hillside

2. Overall Quality

3. Exterior variables

- Roof style and material

4. Sale Type



Recommendations

For Sale

Gilbert Street

1,490 Sq feet

Good overall quality

Built in 2006

\$200,000



Our model predict price is \$232,710!

Conclusion

- Neighbourhood, Exterior, Overall quality and Sale type are some of the most important determinant factors of sale price
- With this model, we are able to accurately predict the prices
- Identify undervalued houses for buyers/investors
- Recommendations for home seller to increase their selling price

THE END