Predicting House Prices in King's County

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Summary

- Conducted data analysis on Kings County Housing Market
- Created and validated four models to determine key features that make a house more valuable
- Further investigation required to create a more holistic analysis

Outline

- Business Problem
- Data & Methods
- Results
- Conclusion

Business Problem

Real-Estate Agency understanding the key features and dynamics that drive house values.
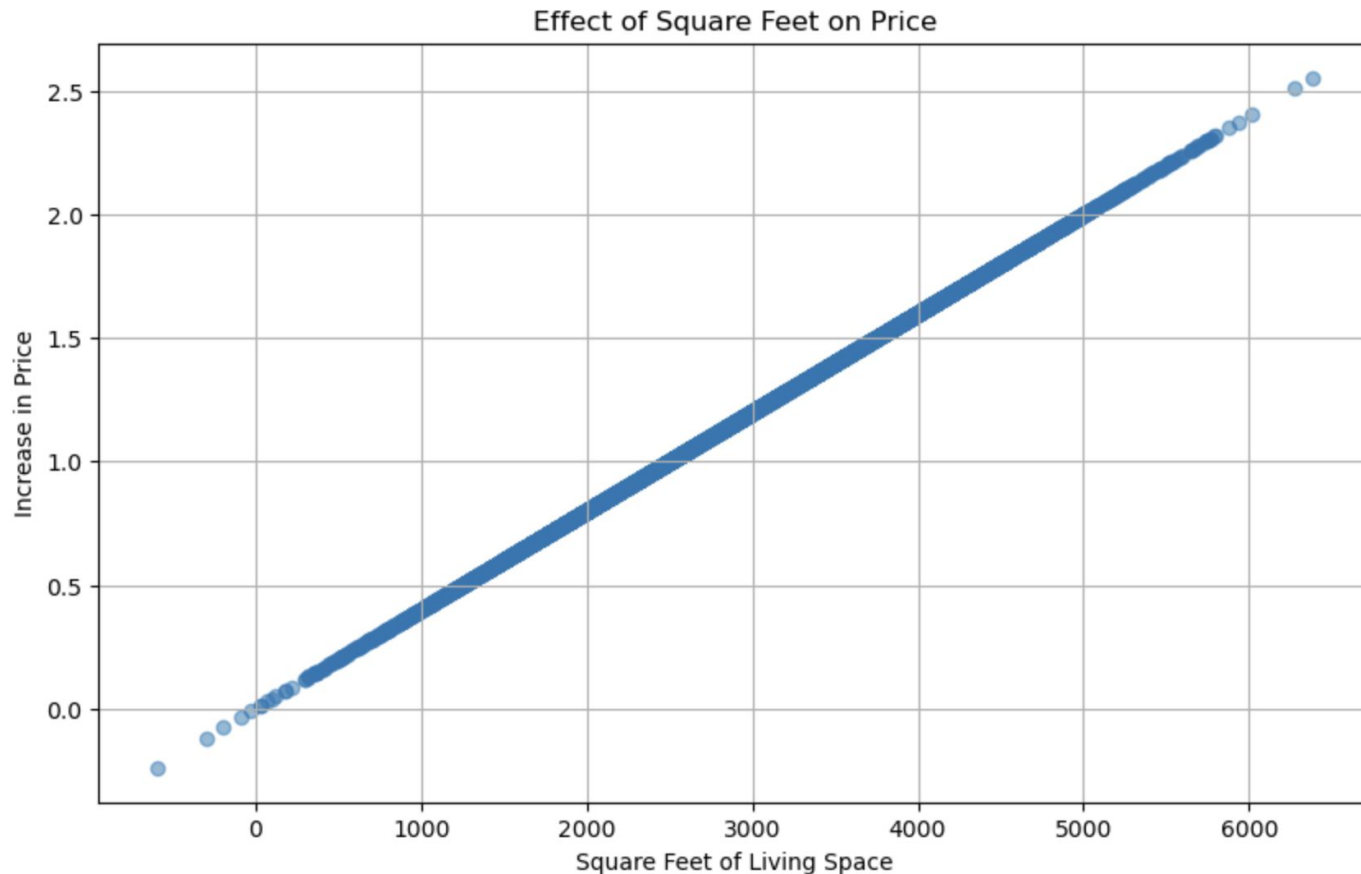
Data & Methods

- Four models created and improved upon each time
- Removed outliers and select variables that that were not conducive to our analysis
- Validated our models to ensure accurate predicting power

Feature 1

Square-Foot Living

A larger living space positively impacts the house price, with each additional square-foot increasing the price.
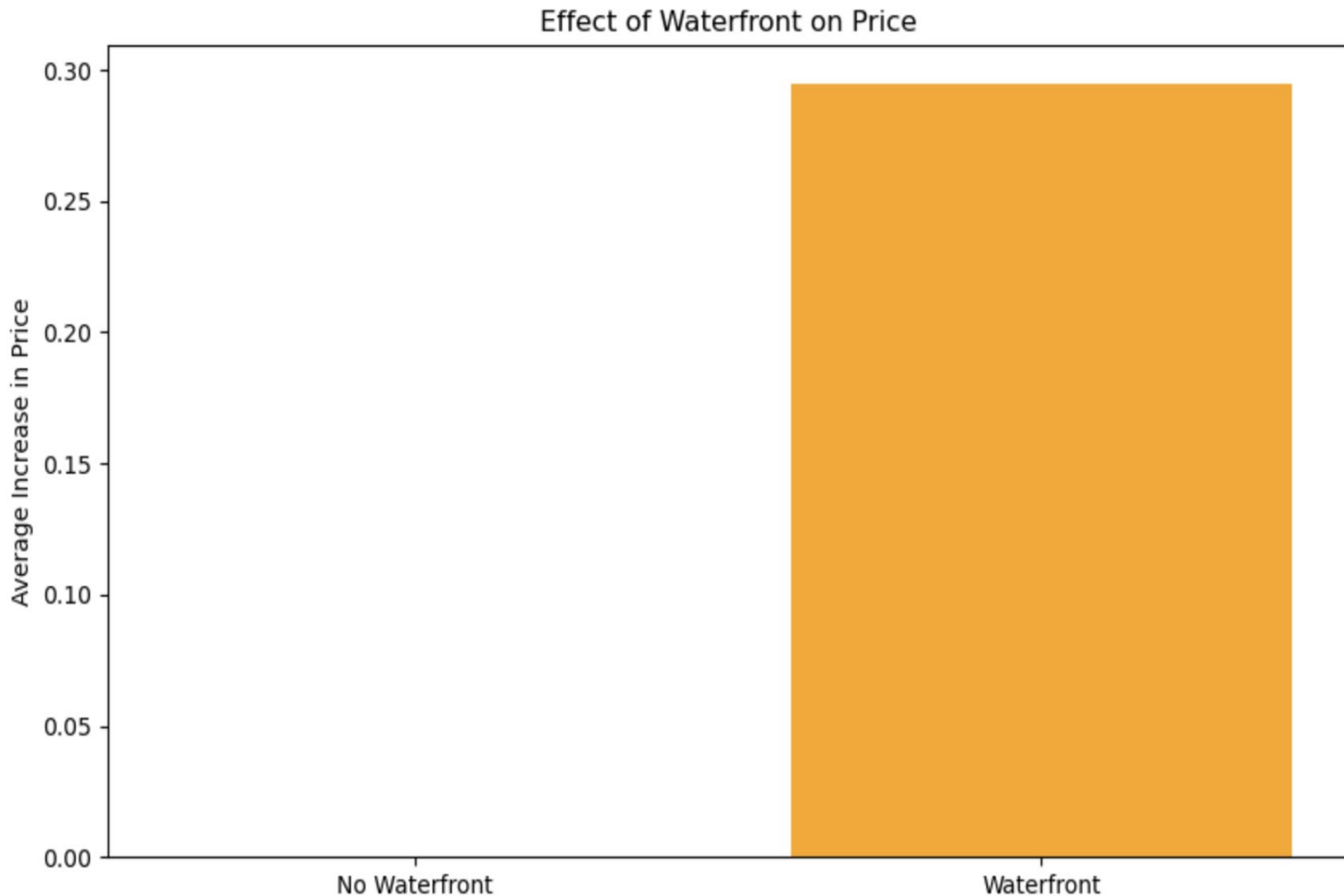

Effect of Square Feet on Price

Feature 2

Waterfront

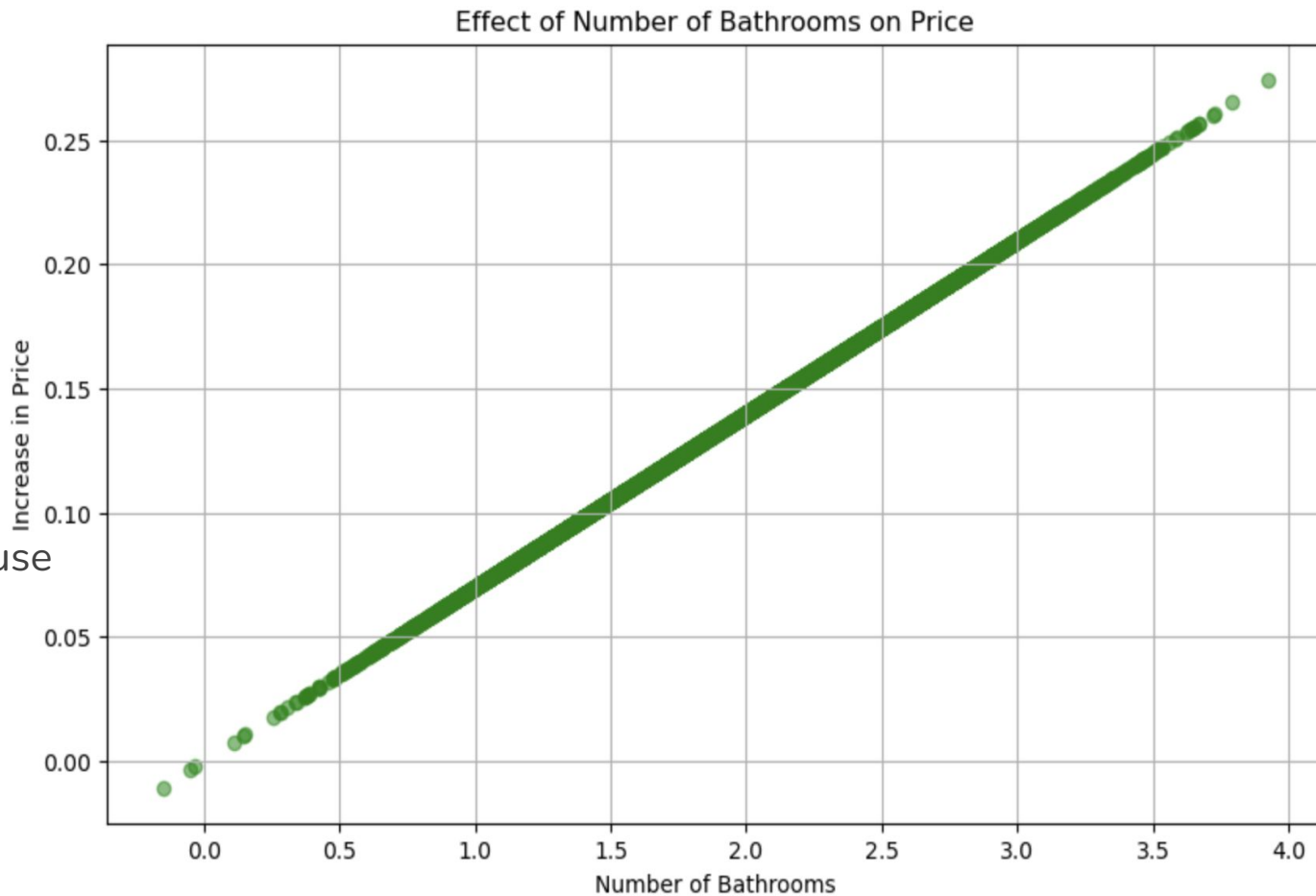Houses with waterfronts are valued significantly higher than those without.

Feature 3

Bathrooms

More bathrooms
contribute to an
increase in the house
price.

Effect of Number of Bathrooms on Price

Conclusion

- Additional Recommendations and insights gathered
  - Views
  - Bedrooms
  - Grade
- Review the data, expand our dataset, and investigate limitations further