

A panoramic view of the Seattle skyline at sunset. The Space Needle is prominent on the left, and Mount Rainier is visible in the background on the right. The sky is a mix of orange, pink, and blue. A black rectangular box is overlaid in the center, containing the title text.

King County Housing

By
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Problem Statement

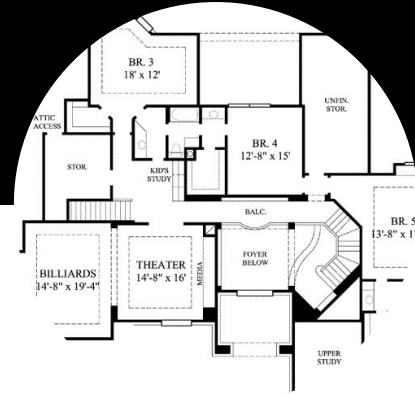
Maximization of the profit when selling a house in King County



Business Value



Price estimates



Impact of certain features

Methodology

Model: Multivariate Linear Regression

OSEMN model



Source: [A Taxonomy of Data Science](#)

Best Location

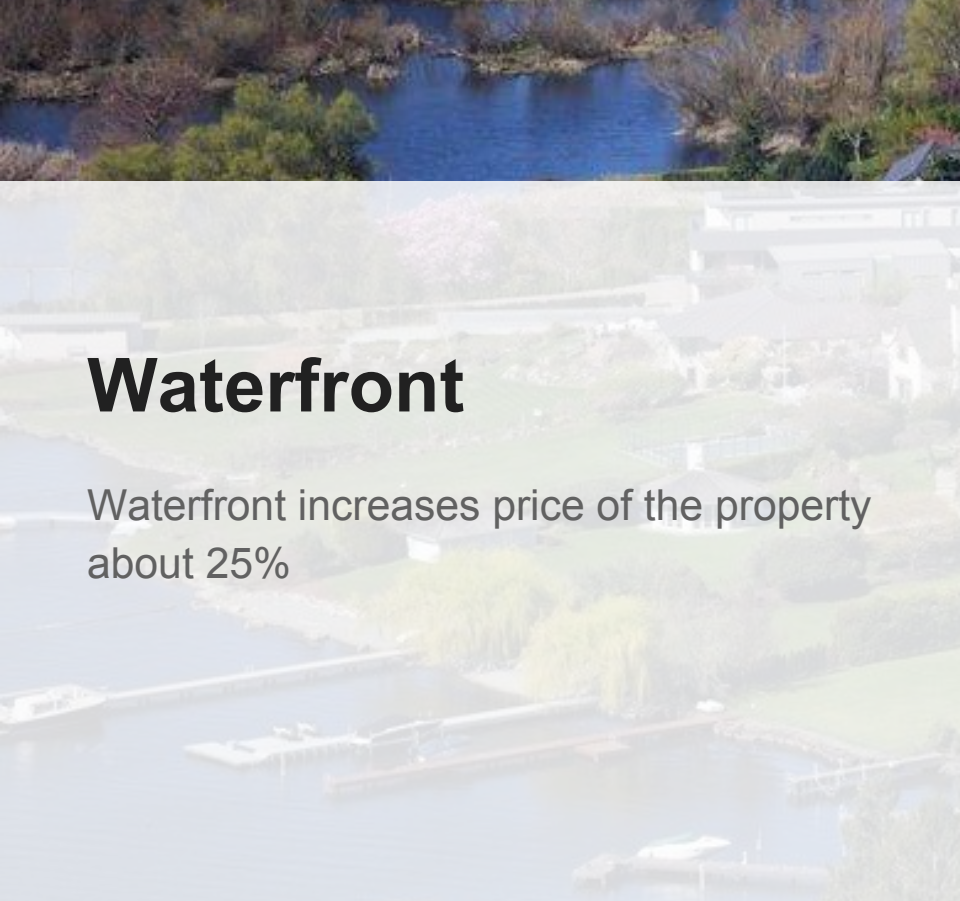
Prices for square feet ranges from **\$87** to **\$810**. Darker spots on the map identify premium locations with properties over \$3m dollars (Medina, Madison Park)



Grade

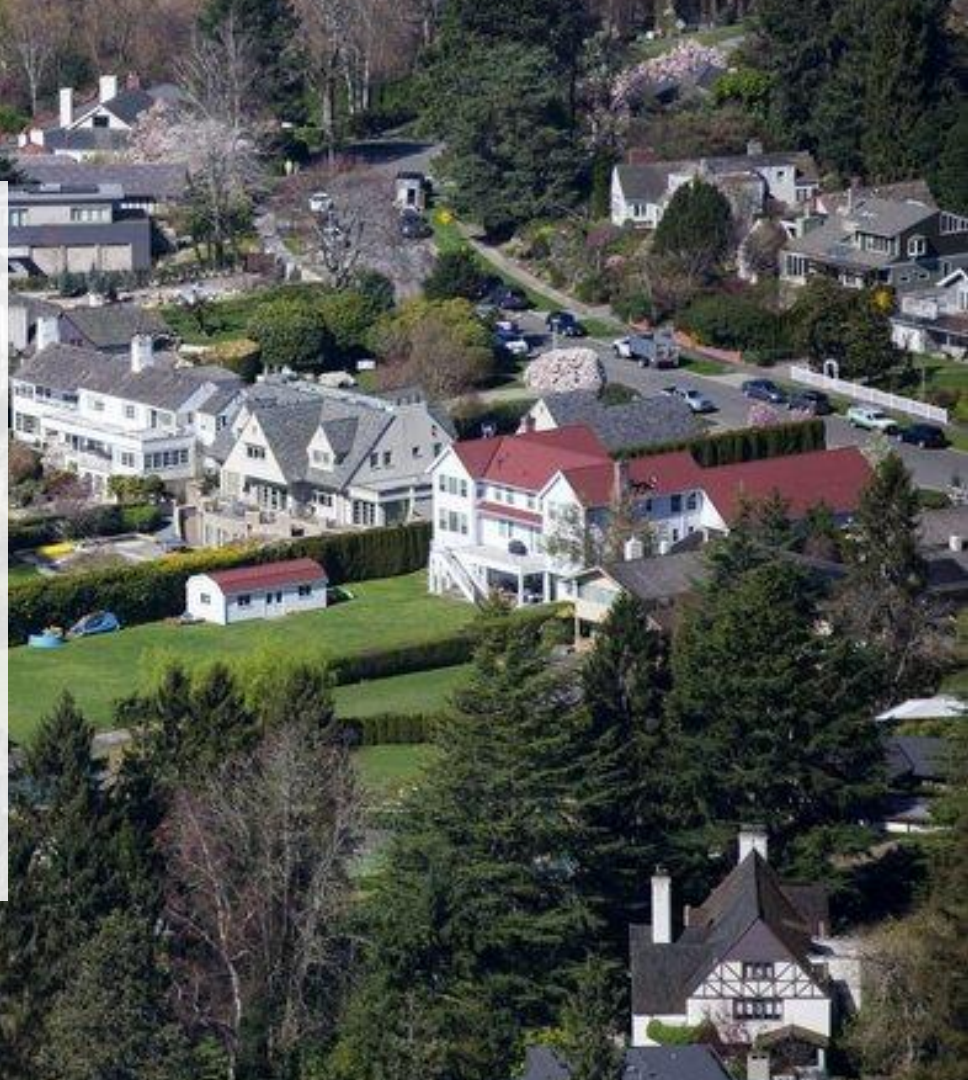
Grade can help identify price range of the house. Generally higher grade - higher price





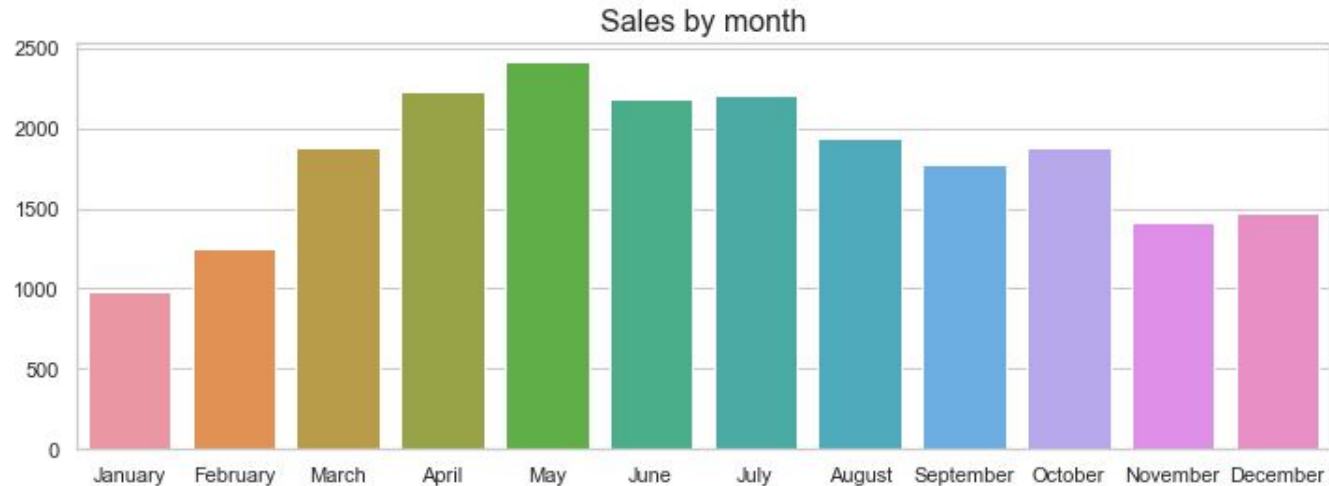
Waterfront

Waterfront increases price of the property about 25%



Best time to sell the house

Real estate market has higher activity from April till July



Additional Recommendations

- List house online
- Use of quality photos, virtual open house, drone videos and staged homes will increase sales price and shorten time of the house on market

A decorative graphic on the left side of the slide, consisting of overlapping green and teal geometric shapes that form a stylized arrow pointing to the right.

Future Work

- Investigate potential profit from investing in perspective locations
- Calculate cost efficiency of renovation