



Home Price Prediction

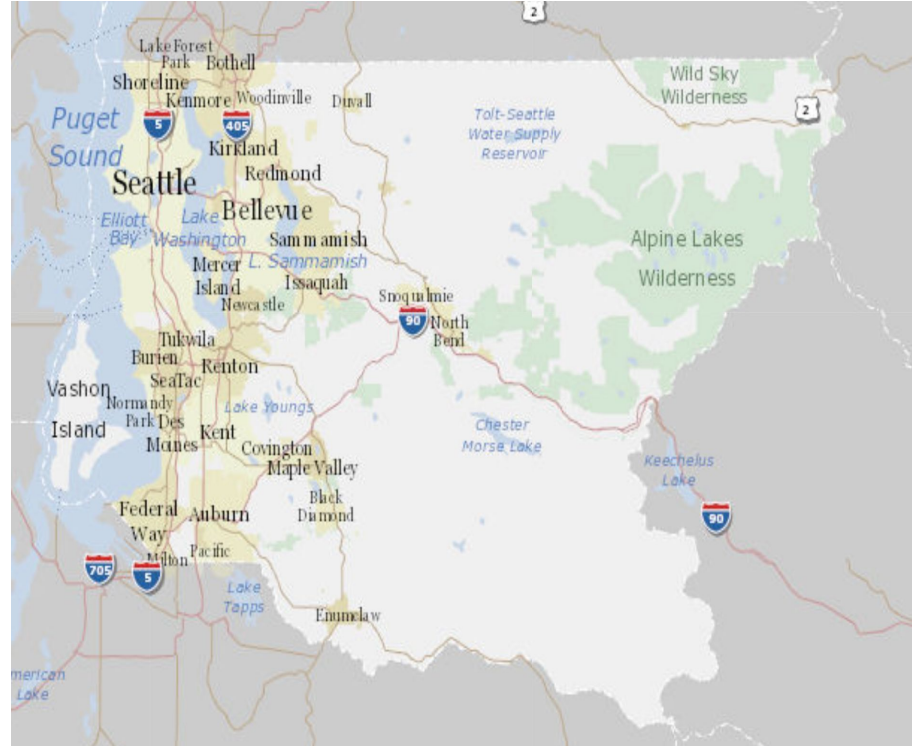
Cristopher Delgado

Importance of predicting home value:



Data Source

- King County
- Located in the United States in the state of Washington
- 2021-2022



Home Features

Location

1. Zip Code
2. Waterfront
3. Greenbelt

Square Footage

1. Home Square Footage
2. Lot Square Footage

Home Aspects

1. Bedrooms
2. Bathrooms
3. Floors
4. Garage
5. Basement

Quality

1. Condition
2. Grade

Business Statement

1. What are the most predictive features of a home?
2. How can you increase the value of a home?

Methods

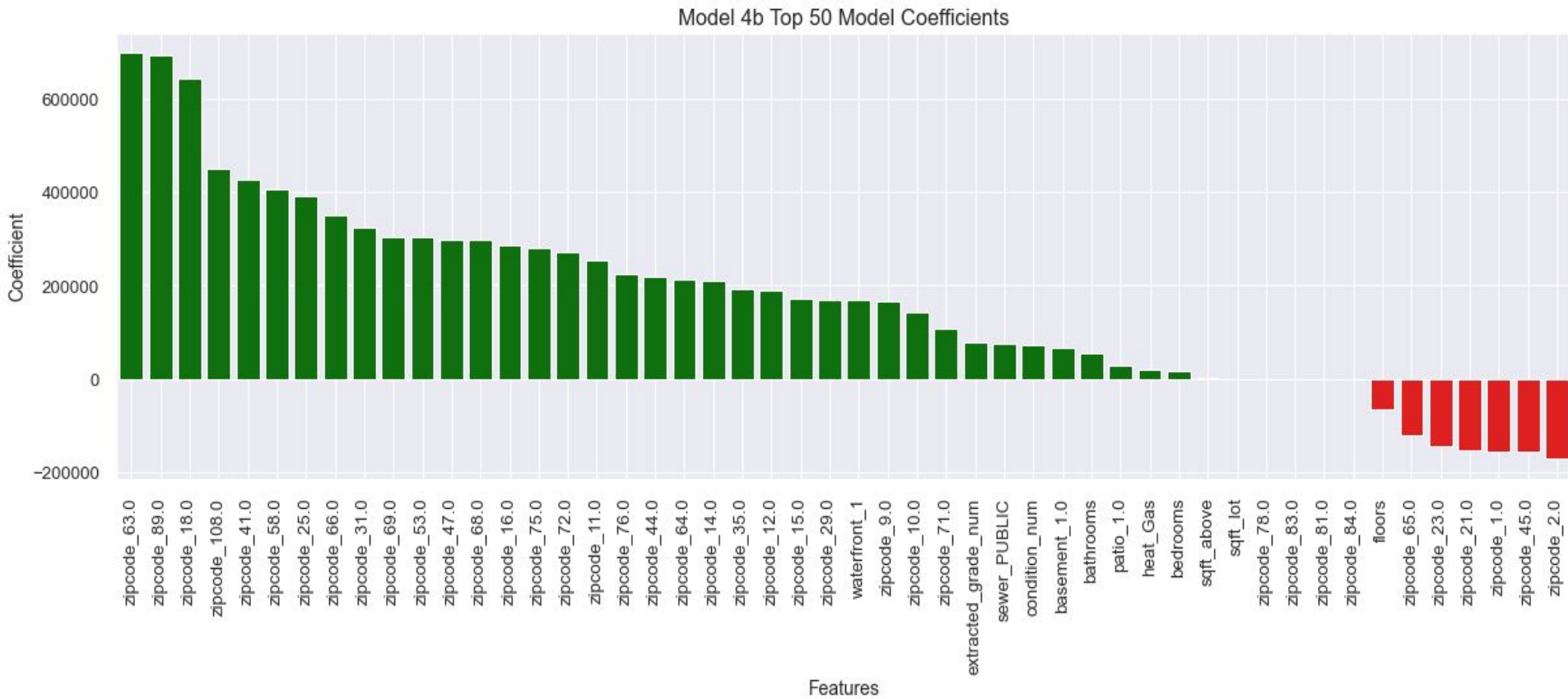
- Clean Dataset and correct data types
- Perform Exploratory Data Analysis to observe trends in features
- Create prediction models

- Outcomes of Analysis:
 - Predict price of a home in King County
 - Insights on features that increase the value of a home

**What are the most
predictive features
to predict a home's
value?**



Model 4b (65.40%)



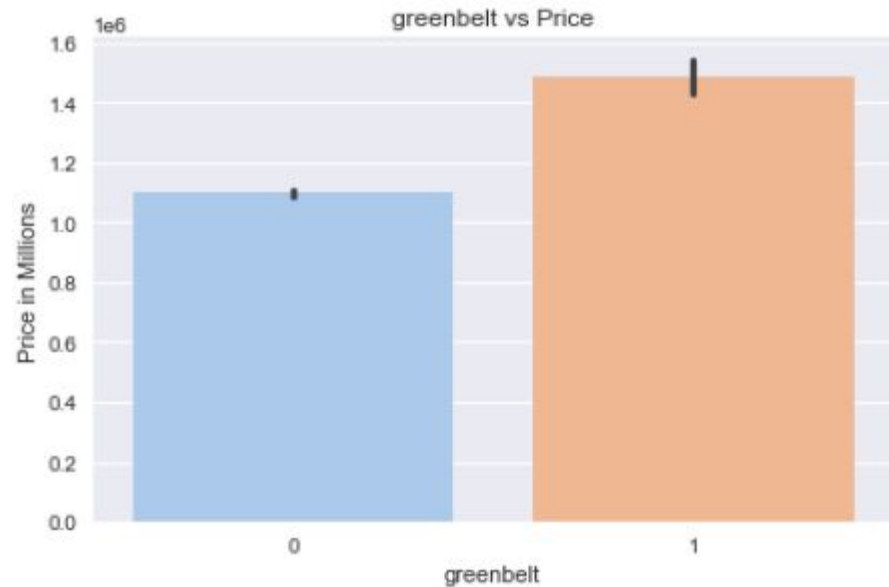
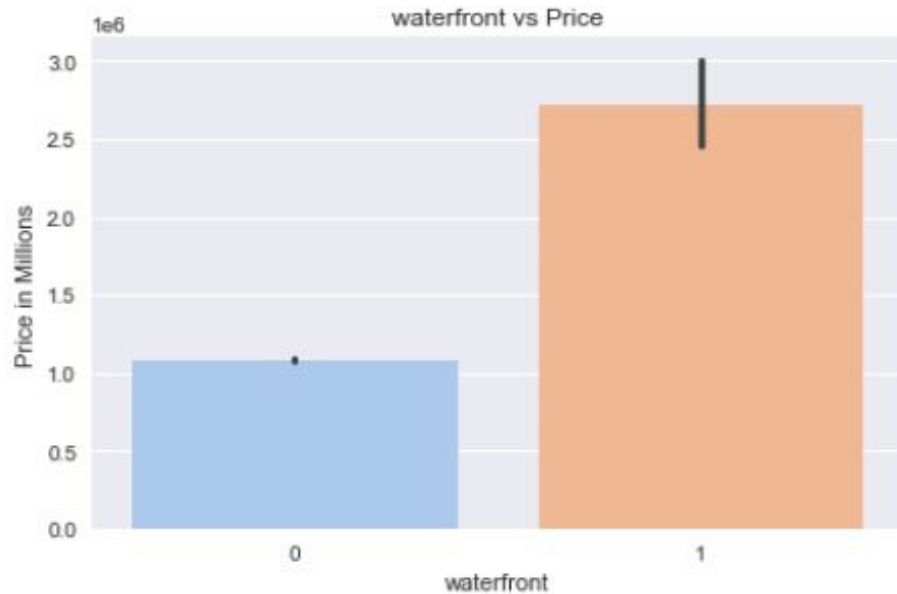
Features

1. Zipcode
2. Waterfront
3. Construction Quality of Home (Grade Num)
4. Condition
5. Basement
6. Patio
7. Bathrooms
8. Bedrooms
9. Floors

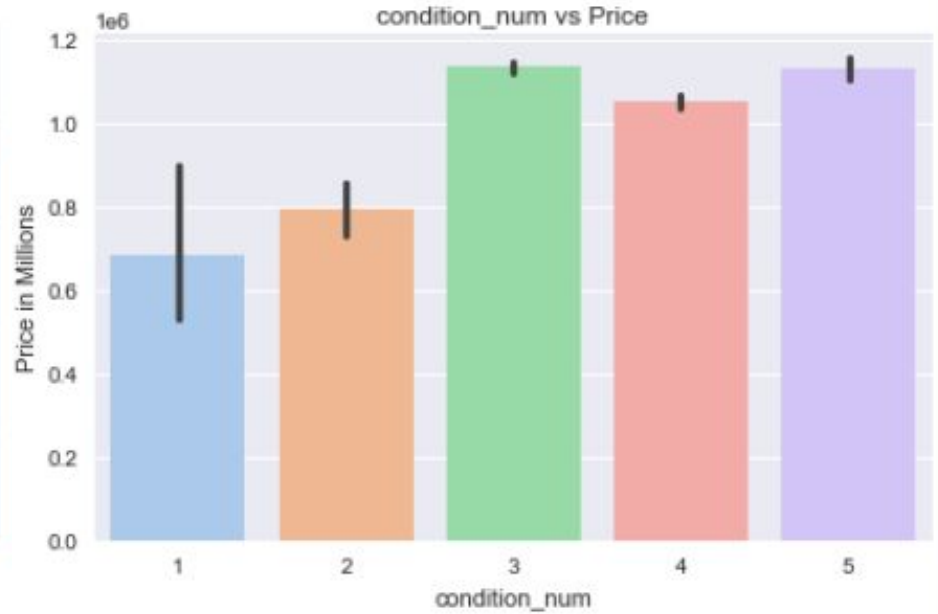
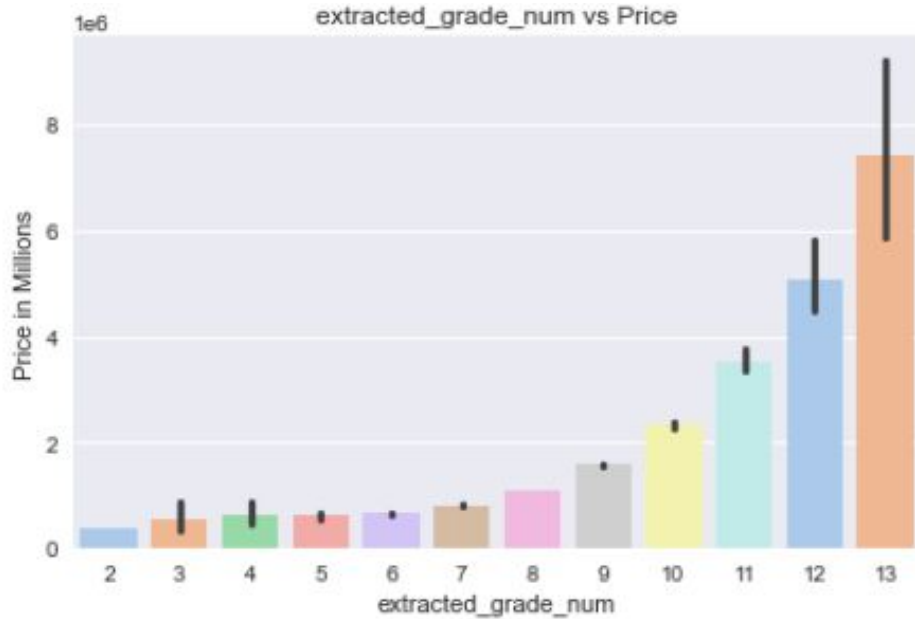
**How can you
increase the value
of a home?**



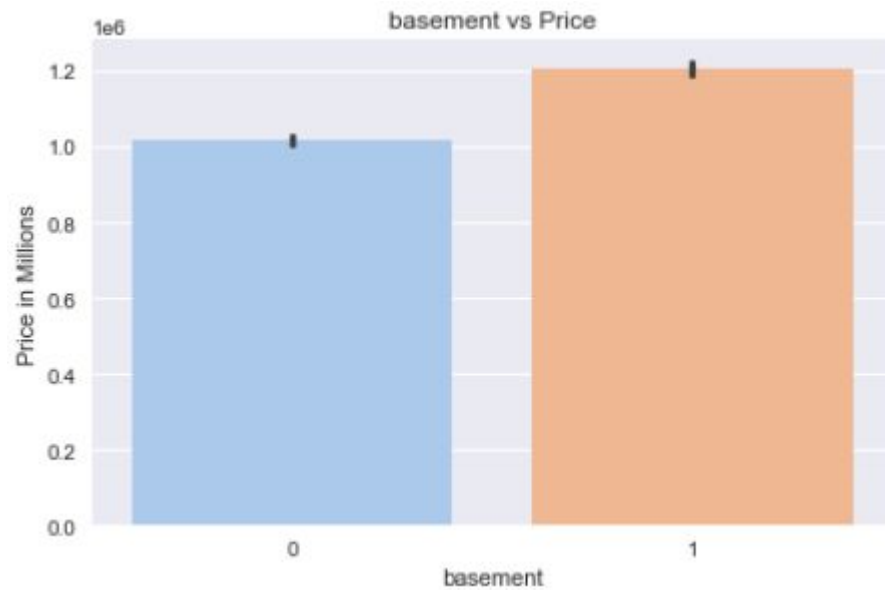
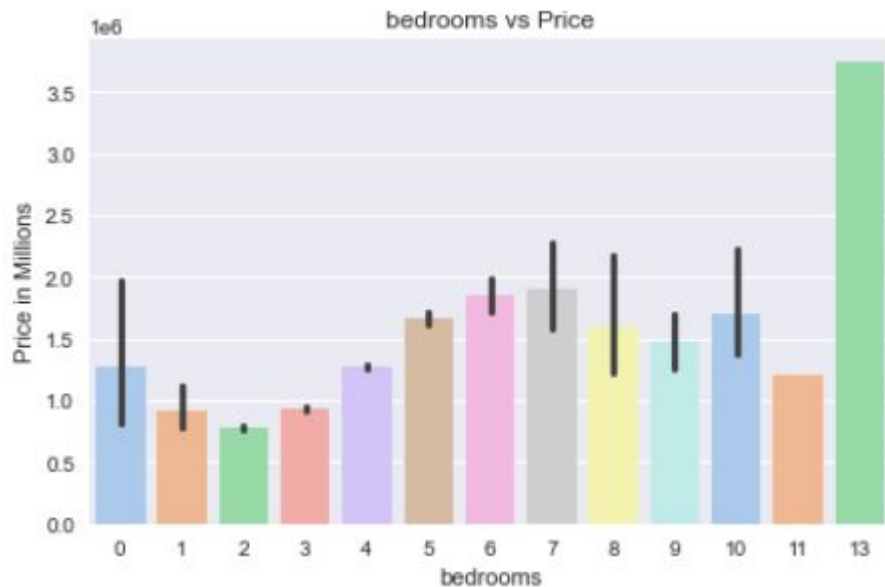
Location

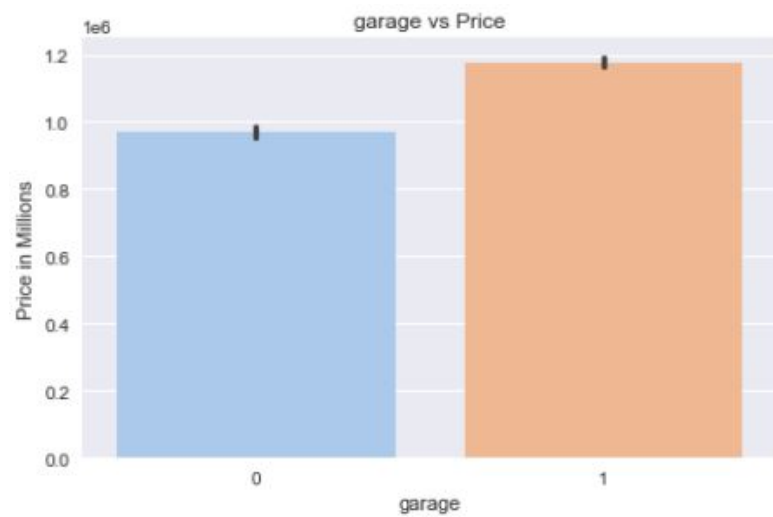
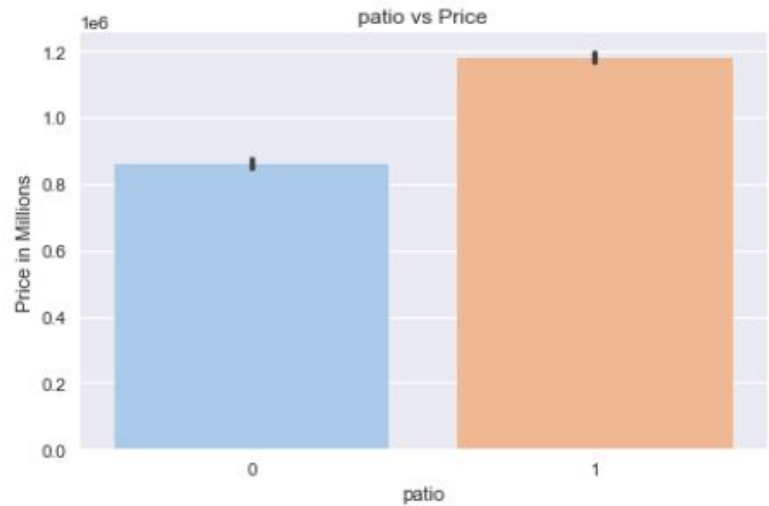
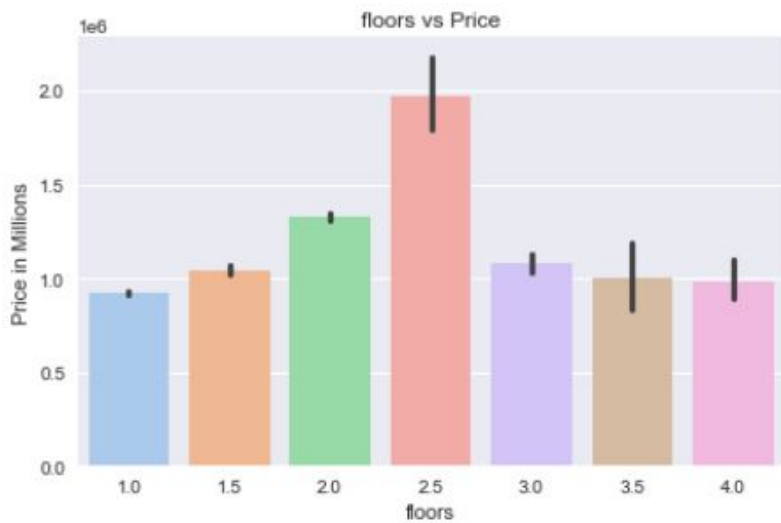


Quality of Home



Livable Space





Actionable Insights

- Location can make up for most of the price in a home's value.
- Home aspects such as bedrooms, bathrooms, and square footage matter
- A home's construction quality and present state matter.

Thank You

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Q&A



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References

1. King County iMap - King County. (2021). Kingcounty.gov.
<https://kingcounty.gov/services/gis/Maps/imap.aspx>