

IMPLEMENTING DATA-DRIVEN APPROACHES FOR PROPERTY RENOVATION TO OPTIMIZE MARKET VALUE

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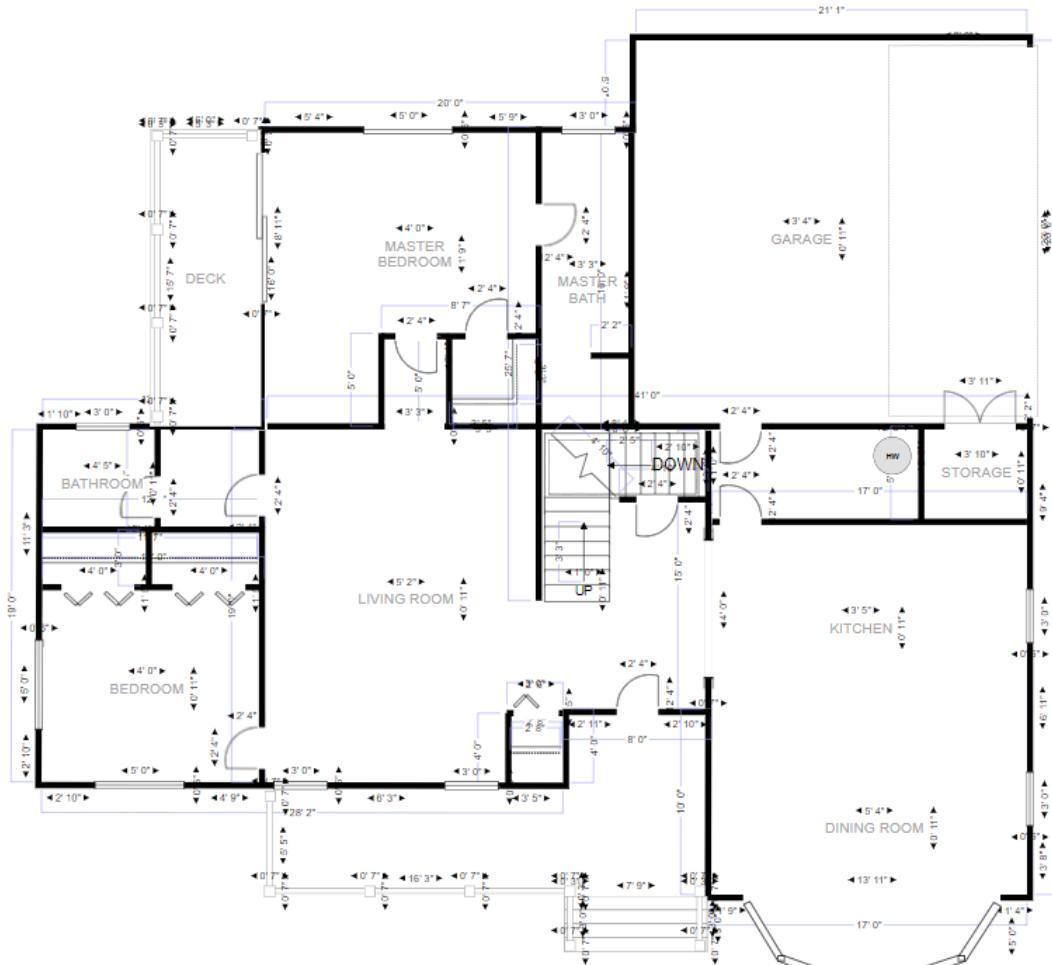
SUMMARY

Applying linear regression analysis to the Kijiji Property Record dataset unveils essential findings

- Identifying crucial renovations for boosting property market value
- Predicting the anticipated increase in market value following renovations

OUTLINE

- Business Problem
- Data & Methods
- Results
- Conclusion



BUSINESS PROBLEM



The real estate agency seeks to offer strategic advice to potential homebuyers planning to acquire and renovate properties. This advice aims to pinpoint essential renovation priorities that can maximize the property's market value growth, along with providing estimates of value increments to optimize their resale potential.





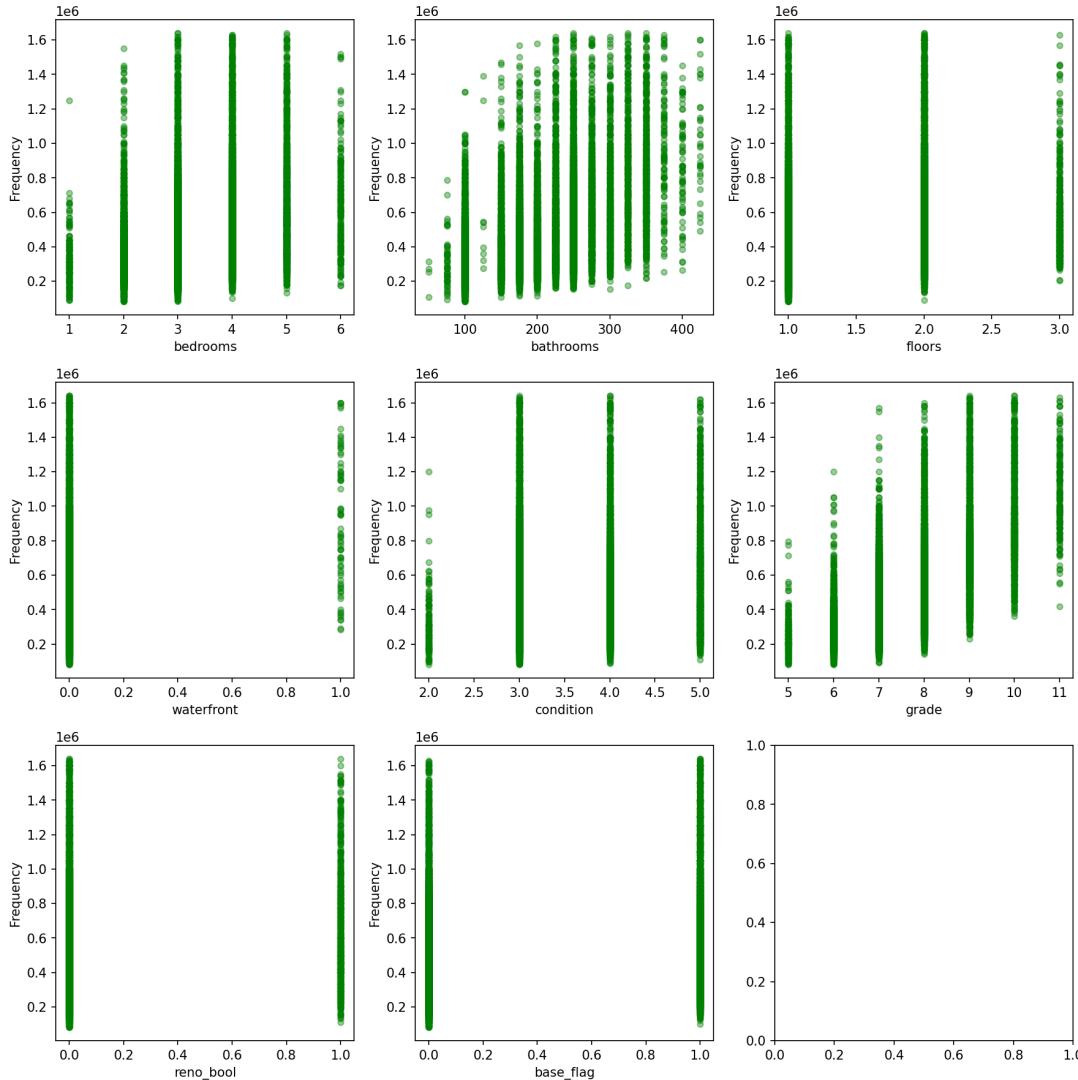
DATA AND METHODS

The dataset utilized for this model comprises information from houses in King County, which were sold between 2014 and 2015. It encompasses 21,597 entries, incorporating details about the house such as the number of bedrooms, bathrooms, and its rating (grade)

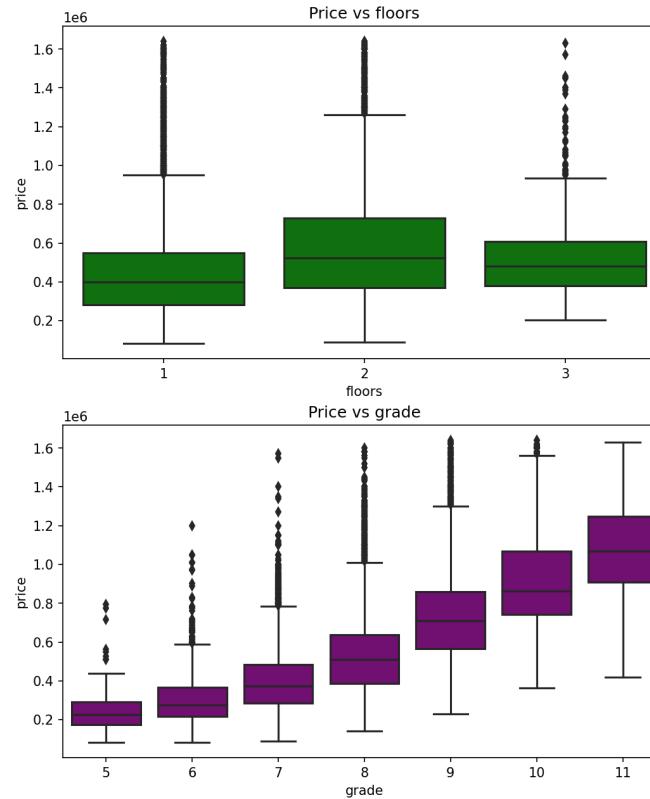
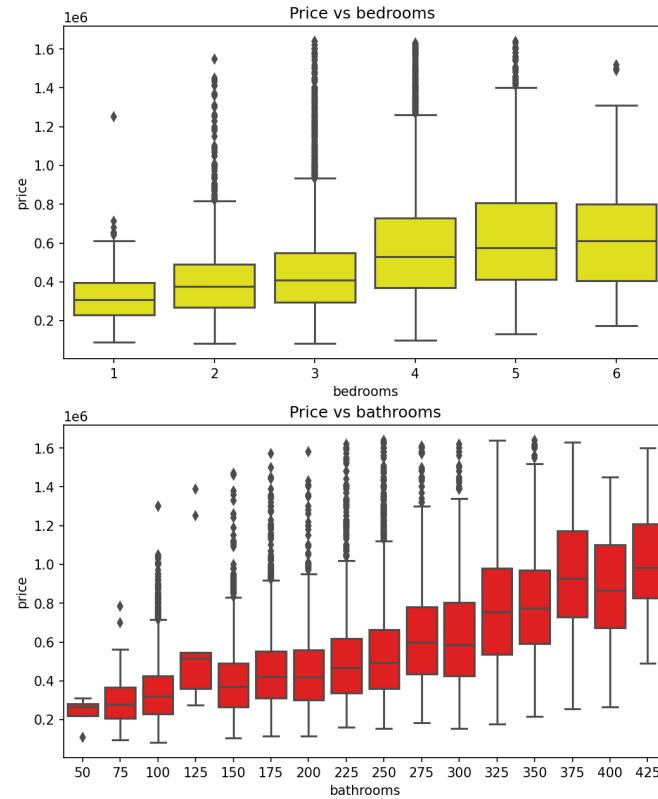


DATA & METHODS

Utilizing data sourced from King County, information is extracted from a dataset encompassing over 20,000 distinct houses. This dataset includes various house statistics such as the number of bedrooms, bathrooms, and the grade assigned by the King County Assessors.



DATA & METHODS



To ensure more conclusive results, certain portions of the data were excluded due to the presence of anomalies





RESULTS

- The model derived from the data in the King County dataset indicates...
- The discovery highlights that possessing a higher grade is a significant factor contributing to the increased market value of the home.



RESULTS



Addressing the key renovation properties to maximize the property's market value, we identified the top five contributors:

- **sqft_living:** Increasing the square footage of the home can raise the price by 83,010.
- **flr_3:** Having a three-story house would increase the property's worth by 66,690.
- **bath_425:** Adding 4.25 bathrooms can increase the property's worth by 304,400.
- **wtr_1:** Having a waterfront view will increase the property's worth by 305,700.
- **grade_11:** Achieving a building grade of 11 in King County can increase the property's worth by 714,500.



CONCLUSION

- Investing in high-quality materials and luxury options during renovation
- Securing a house with a waterfront view, if feasible
- Adding more bathrooms



THANK YOU!

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