Megamax Real Estate Project

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INTRODUCTION

- Megamax is a famous Real Estate Company located in New York.

- They have decided to open up a new division that connects home sellors to potential buyers.

- They want to discover the effect of home renovations on the selling price of homes.

- That's what they have hired you as a Data Scientist to find out.

OBJECTIVES

- To discover the effect of home renovations on the selling price of a home.

- To report findings to the head of the new division.

Methodology

- Analysed effect of certain features on selling price.

- Built a model that predicts the selling price of a home given certain features.

- Used model and analysis to get results which is the effect of certain renovations on the selling price of a home.

Results (Findings)

- As the grade of the house increased the average selling price of the house also increased.
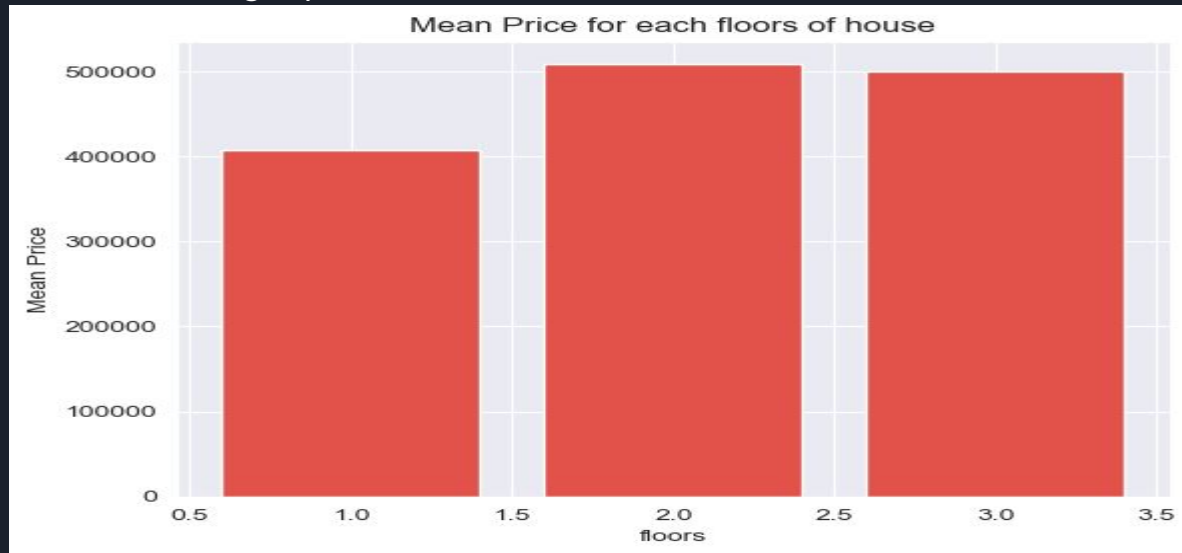

Mean Price for each grade of house

Results (Findings)

- As the condition of the house got better so did the average price.

Mean Price for each condition of house

Results(Findings)

- As the number of floors increases so did the average selling price of a home but 2 floored houses sold slightly better than 3 floored houses.
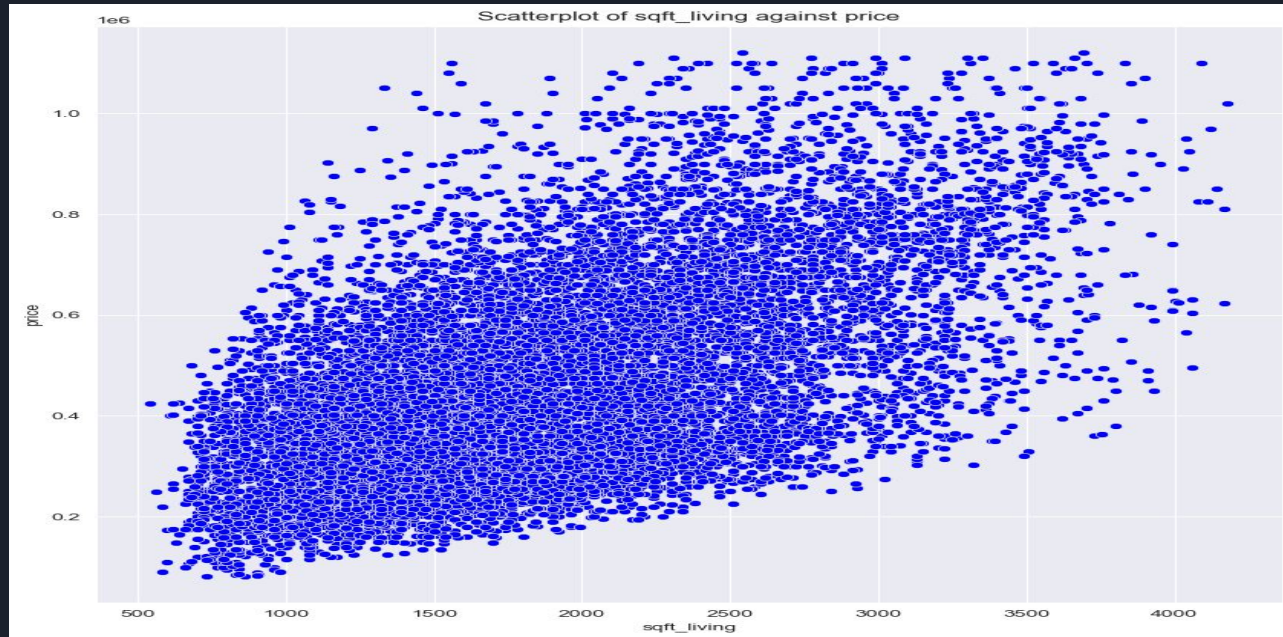
Results(Findings)

- As the number of bathrooms increased so did the average selling price of a home.

Results(Findings)

- As the square foot of living space in the house increases so does the selling price of the house.

Scatterplot of sqft_living against price

Conclusion

- Increasing the number of certain factors such as the grade, the condition, the no of bedrooms and the no of bathrooms led to an increase in the selling price of the house.

- Increasing the square footage of the space of the home also seemed to increase the selling price of the home.

- The presence of a waterfront also increased the price of homes.

Recommendations

1. Improve Grade and Quality: Enhance grade of the house by using high-quality materials and finishes to attract buyers and selling prices.
2. Enhance living space: Increase size of living area by maximizing space and or increase the number of bedrooms.
3. Consider floor upgrades: Increase of floors increases the average selling price of a home.
4. Improve or maintain house condition: Maintain house condition and possibly start repairs to increase the overall condition of the house and hence the selling price of the house.
5. Assess Waterfront Properties: Houses with waterfront properties seem to sell better than houses without waterfront properties.
6. Consult professionals: Customers can also do further consulting with real estate agents if confused about these factors.

Final Statements

Thank you for listening and if you have any questions feel free to ask.