

HOUSING ANALYSIS

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BUSINESS UNDERSTANDING

- I have been tasked to give insights that will help Rirko Ltd know the prices of houses to in order to help buyer/sellers know the correct price of houses
- I used linear regression and multiple regression to predict prices

RESEARCH QUESTIONS

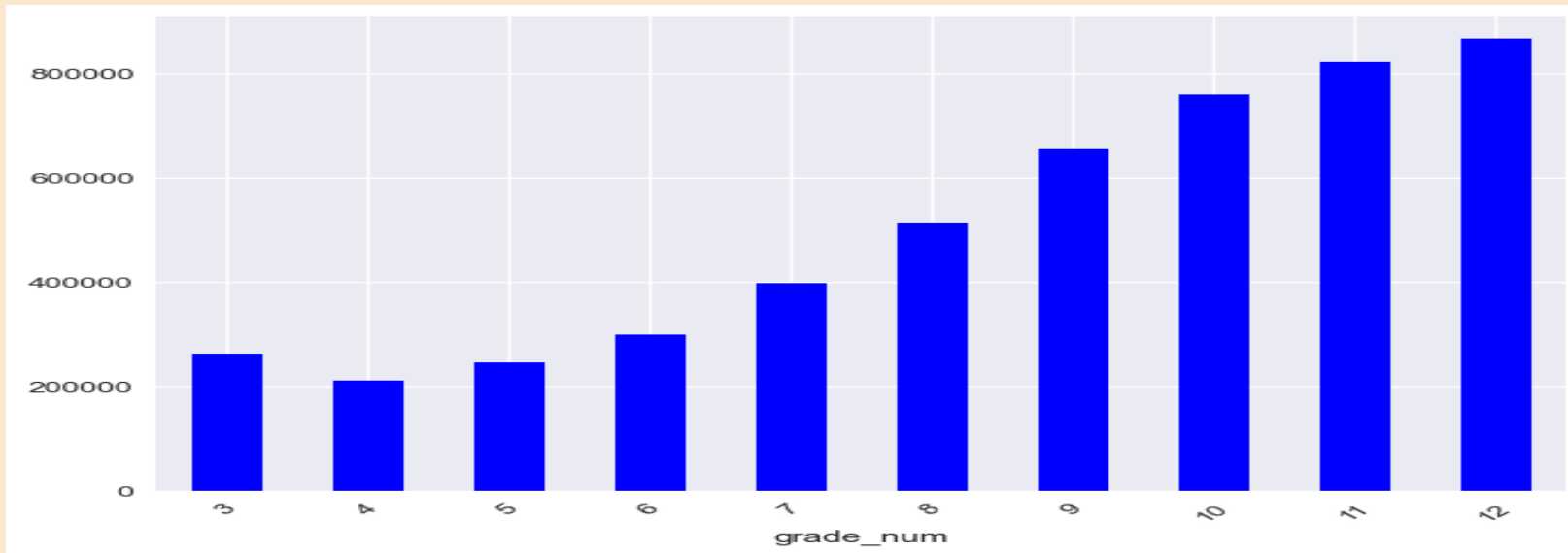
- **which variable/aspect has the highest impact on price?**
- **which other variables impact our prices?**

DATA UNDERSTANDING

- The King County Housing Data Set contains information about the size, location, condition, and other features of houses in King County
- Our data contains 21597 entries and 20 columns. Our data type is mainly made up of numerical and categorical variables

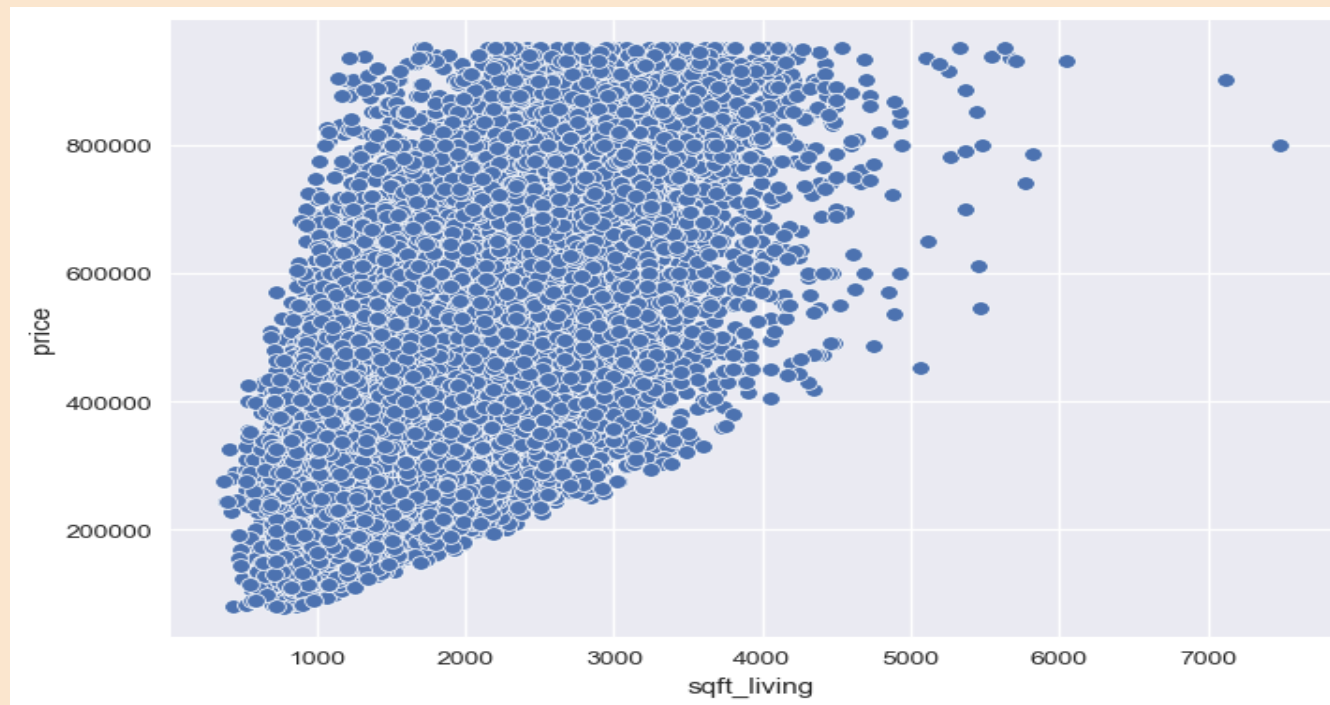
RELATIONSHIP BETWEEN GRADE AND HOUSE PRICE

➤ We saw that as the grade of the house increases the price increases



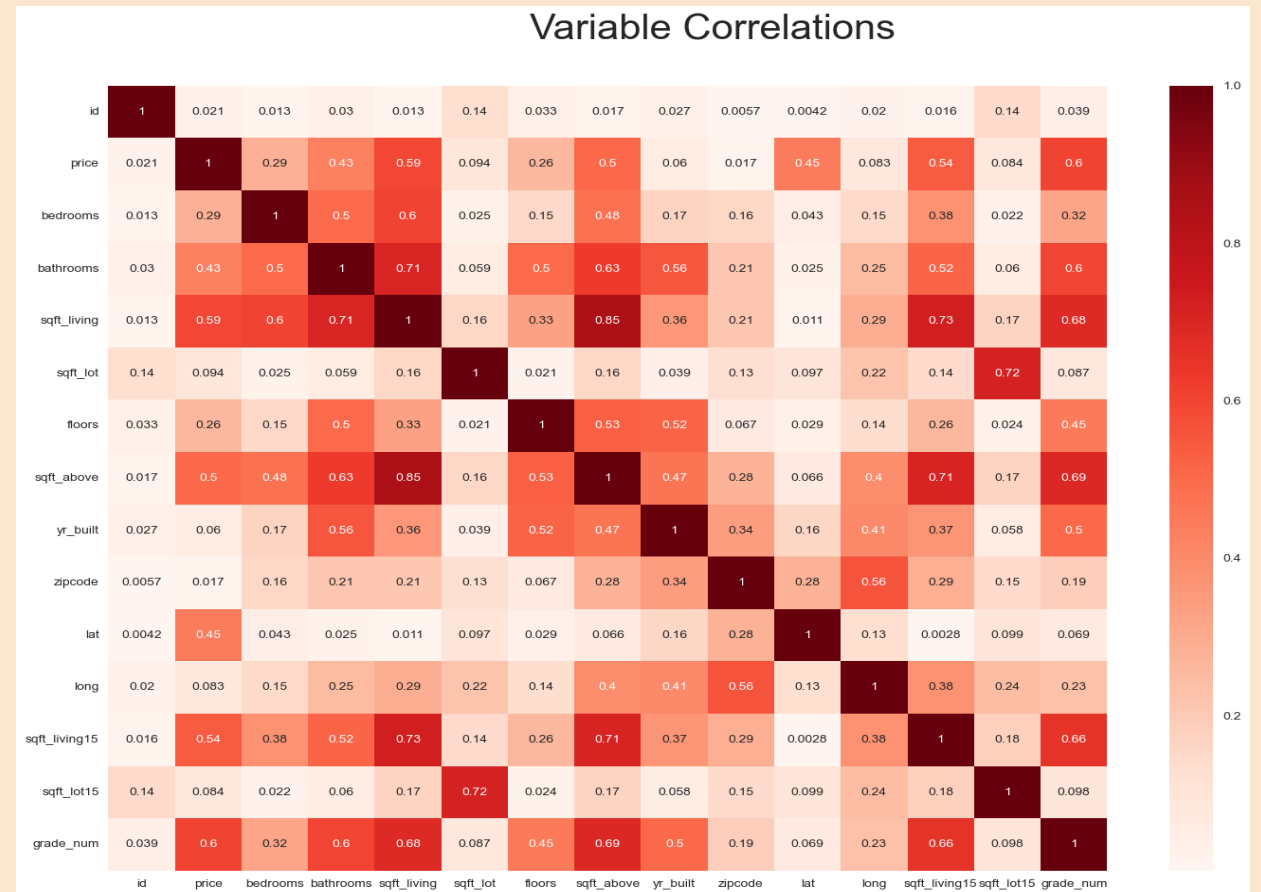
HOW SQFT_LIVING AFFECTS PRICE

- We can see that prices and sqft_living have a good relationship hence and increase in sqft_living will have a major impact on price



MAIN IMPACTORS OF PRICE ARE

- The grade of our houses
- Sft_living
- Sqft_living 15



CONCLUSION

- We can see that the house grade is one of the main features that is affecting price, so buyers and sellers should expect a high price for quality houses based on grade
- . Sqft _living, also has a positive impact on our price, it seems houses with big sqft_living have a high price.

THANK YOU!

For more insights feel free to check on:

Github https://github.com/danielkimutai/multiple_regression-project

Tableau dashboard

https://public.tableau.com/shared/88QM4CM5C?:display_count=n&:origin=viz_share_link