

# HOUSING ANALYSIS

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BY DANIEL KIMUTAI

# BUSINESS UNDERSTANDING

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- 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

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

# DATA UNDERSTANDING

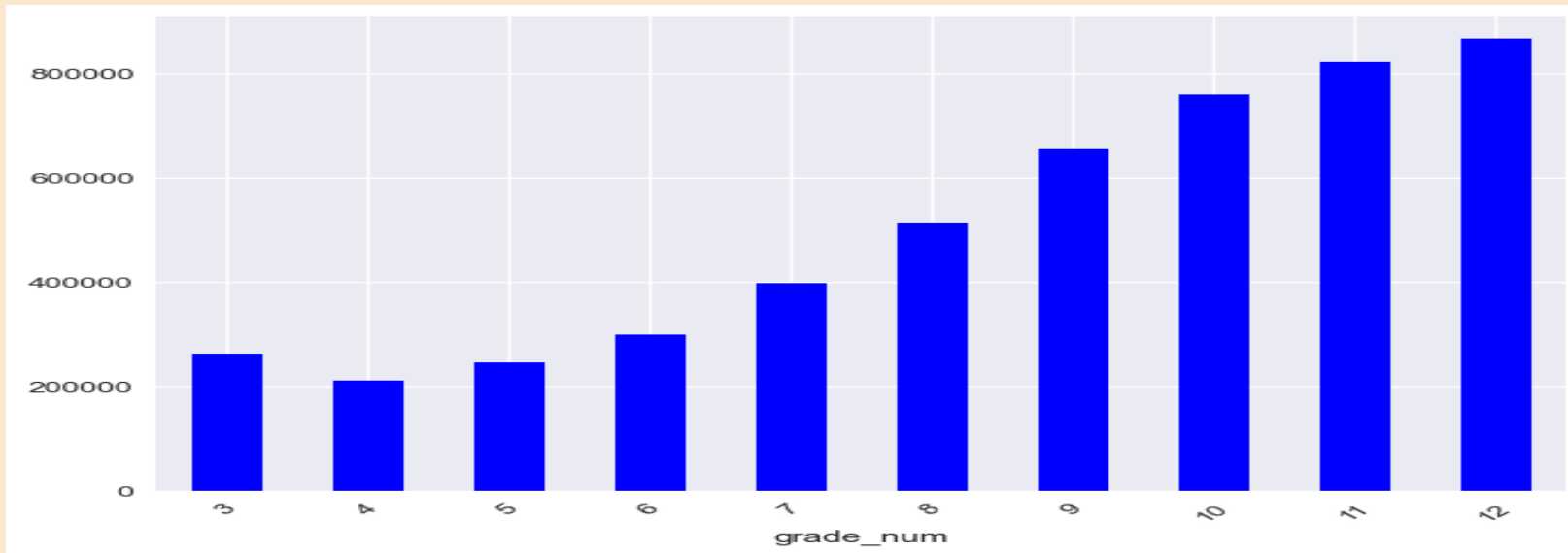
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- The King County Housing Data Set contains information about the size, location, condition, and other features of houses in King County
- Our data contains 21597 entries and 20 columns. Our data type is mainly made up of numerical and categorical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

# RELATIONSHIP BETWEEN GRADE AND HOUSE PRICE

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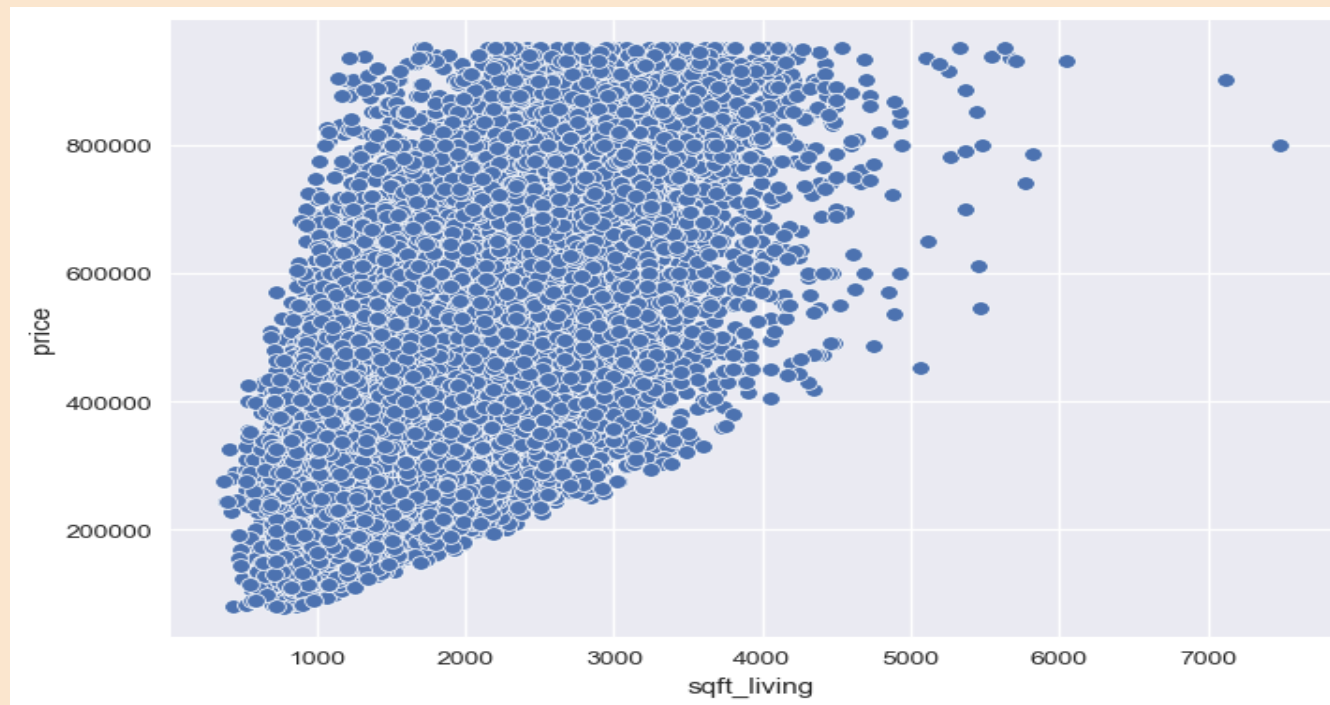
➤ We saw that as the grade of the house increases the price increases



# HOW SQFT\_LIVING AFFECTS PRICE

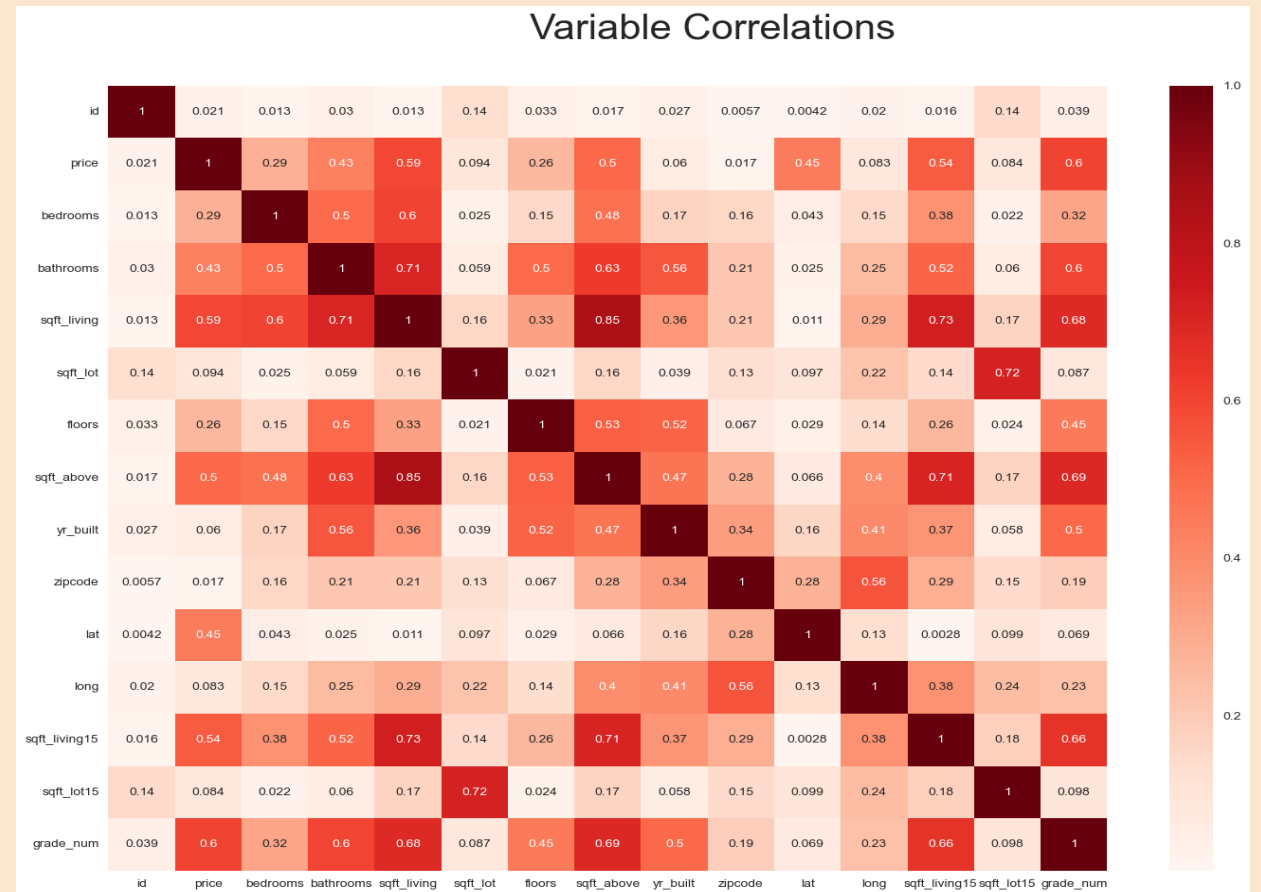
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- We can see that prices and sqft\_living have a good relationship hence and increase in sqft\_living will have a major impact on price



# 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](https://github.com/danielkimutai/multiple_regression-project)

Tableau dashboard