

MARTIN MBUNGU NJOKI

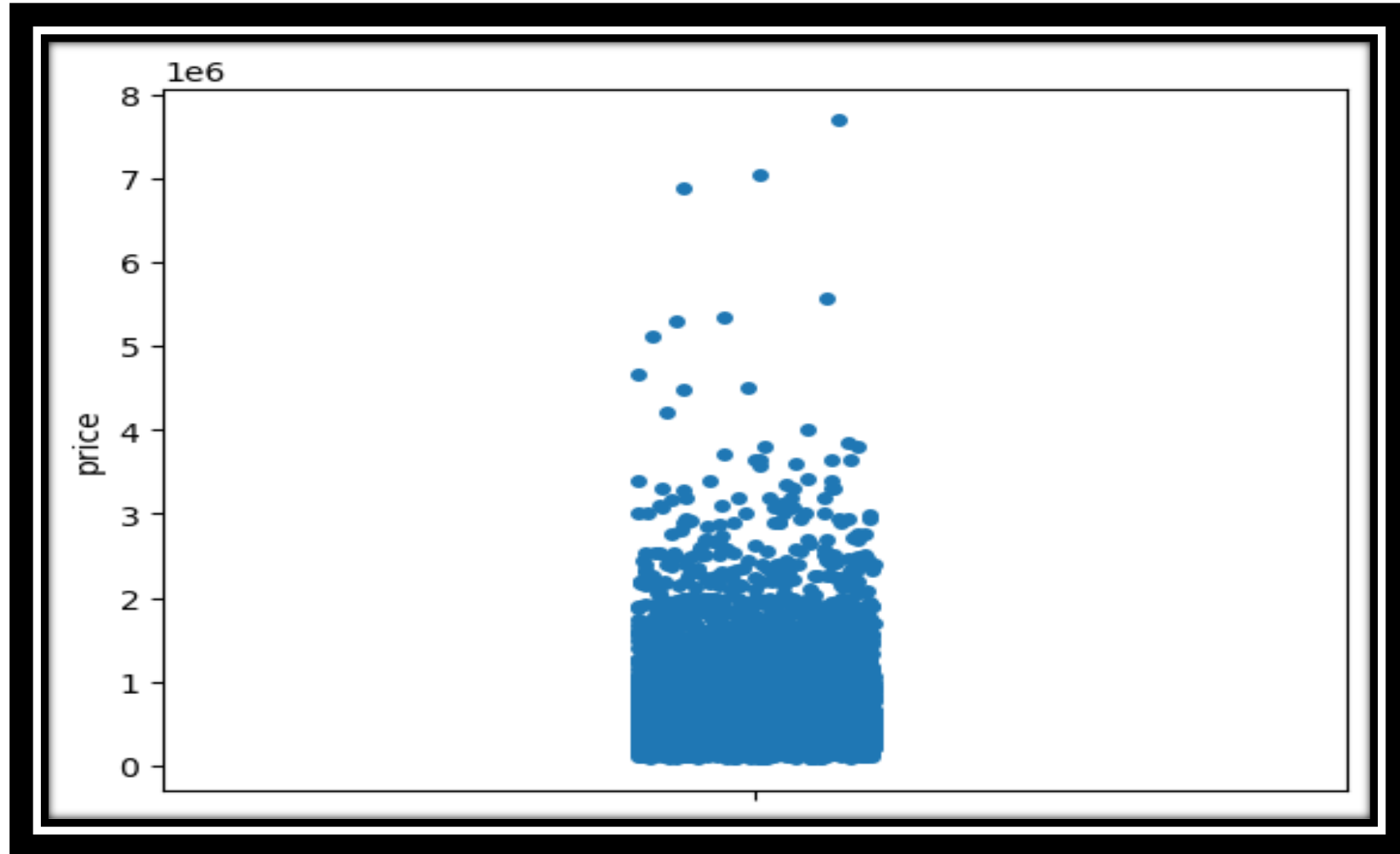
PHASE 2 PROJECT.

# BUSINESS UNDERSTANDING

These is a real estate owner that helps homeowner's buy or sell homes.  
The real estate owner's has provided advice to home owner's about  
how home renovation's might increase the estimated value of their  
homes and by what amount.

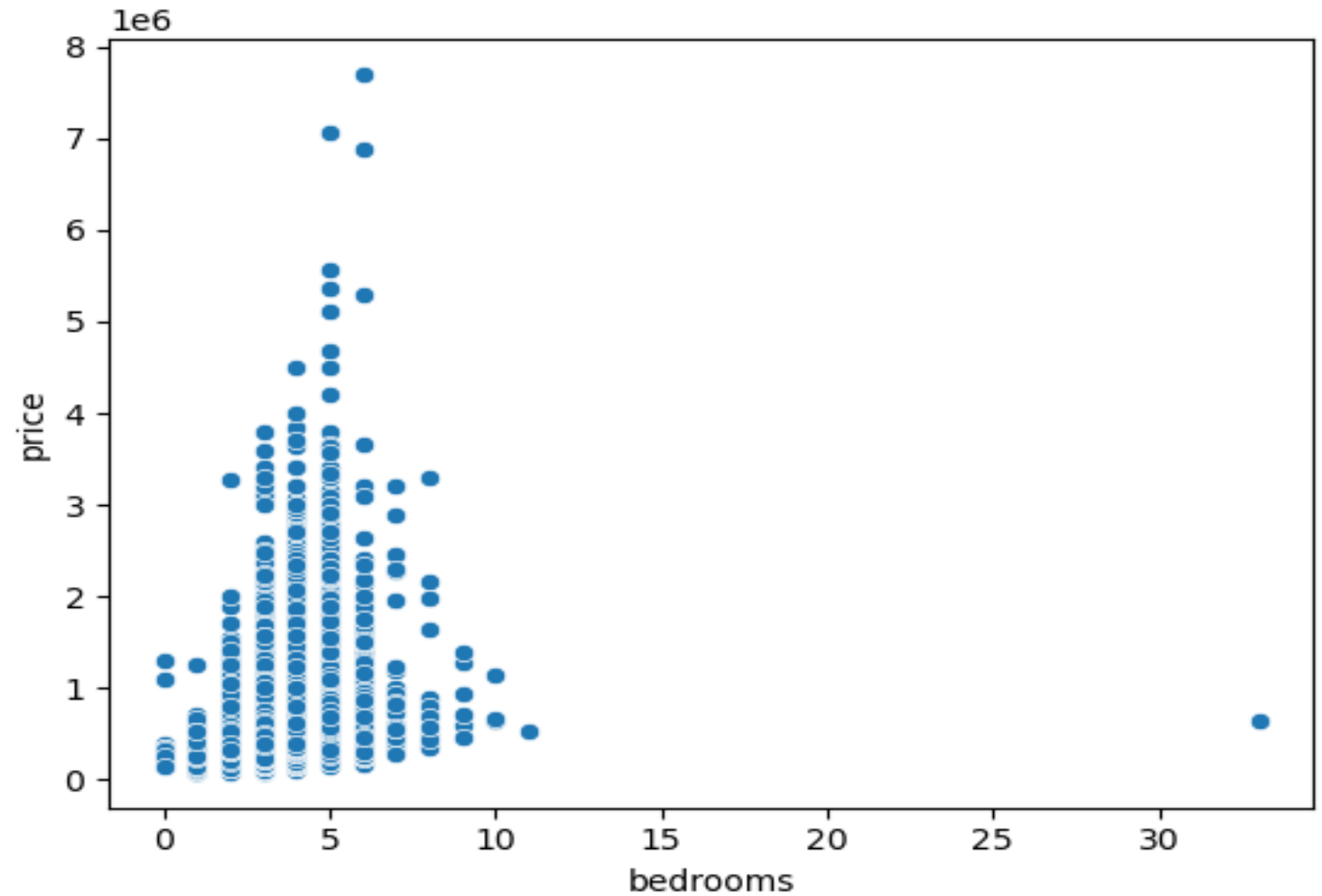
## UNIVARIATE DATA ANALYSIS:

These is showing data points under column for price are close to the mean so there's a lower standard deviation.



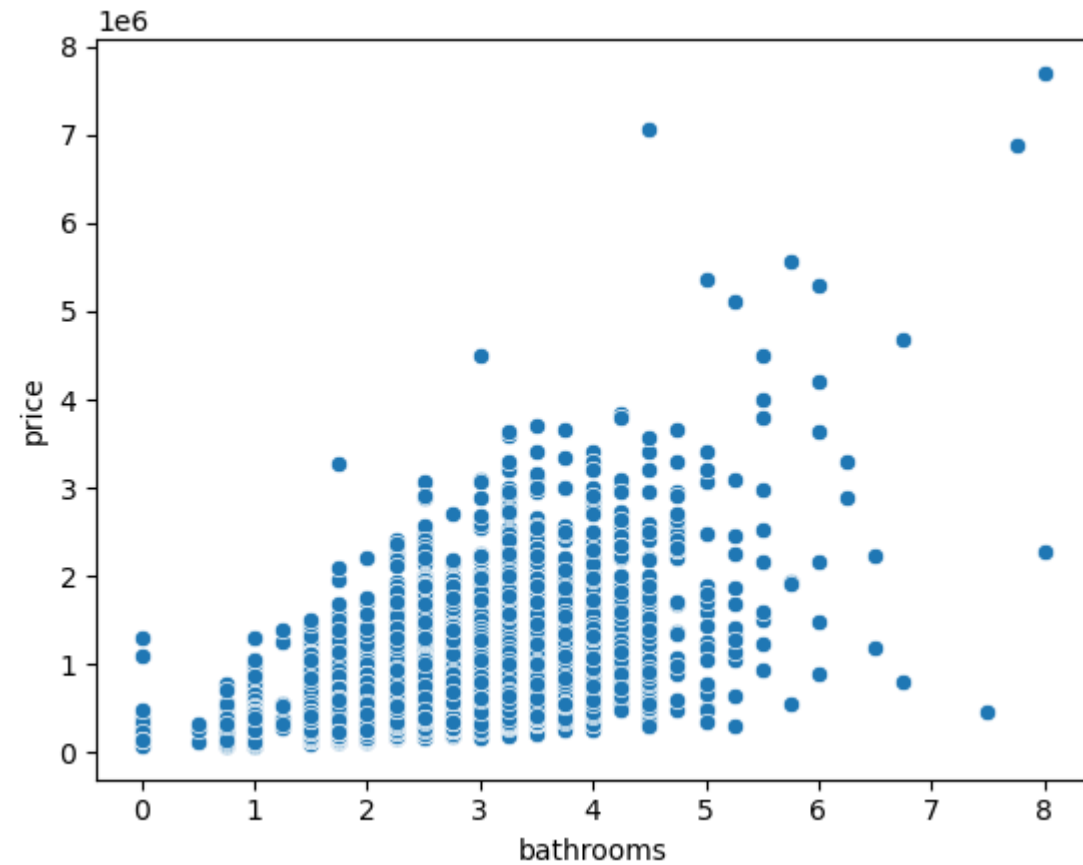
# BIVARIATE DATA ANALYSIS.

There's a positive correlation between renovation of bedrooms and the price. It's showing bedrooms with a good state of repair's have a higher price than bedrooms with poor state of repair.



# BIVARIATE DATA ANALYSIS.

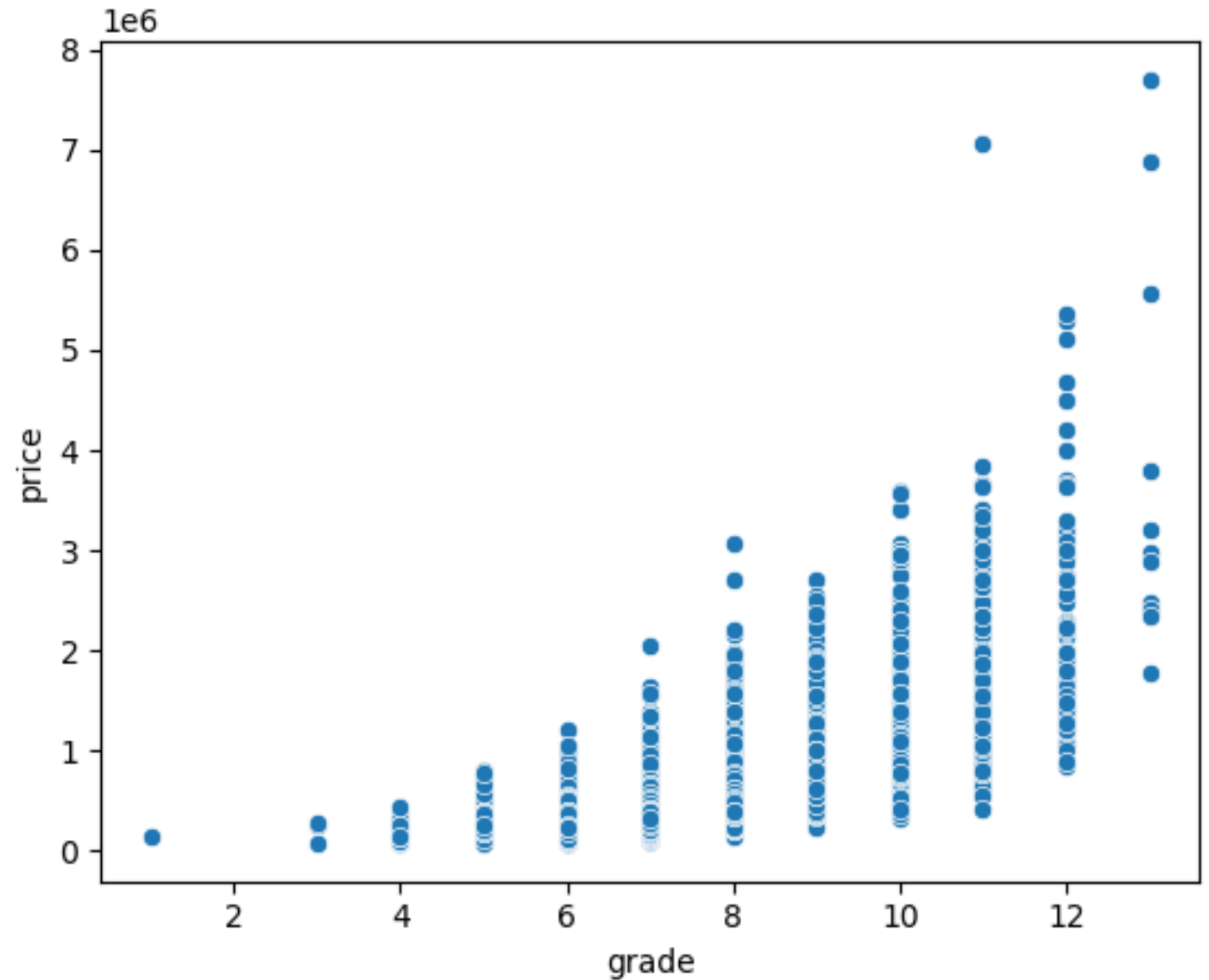
The findings show's there's a positive correlation between bedrooms and price. The price increases with increase in the number of bathrooms and also price increases with good state of repair of bedrooms.



# BIVARIATE DATA ANALYSIS.

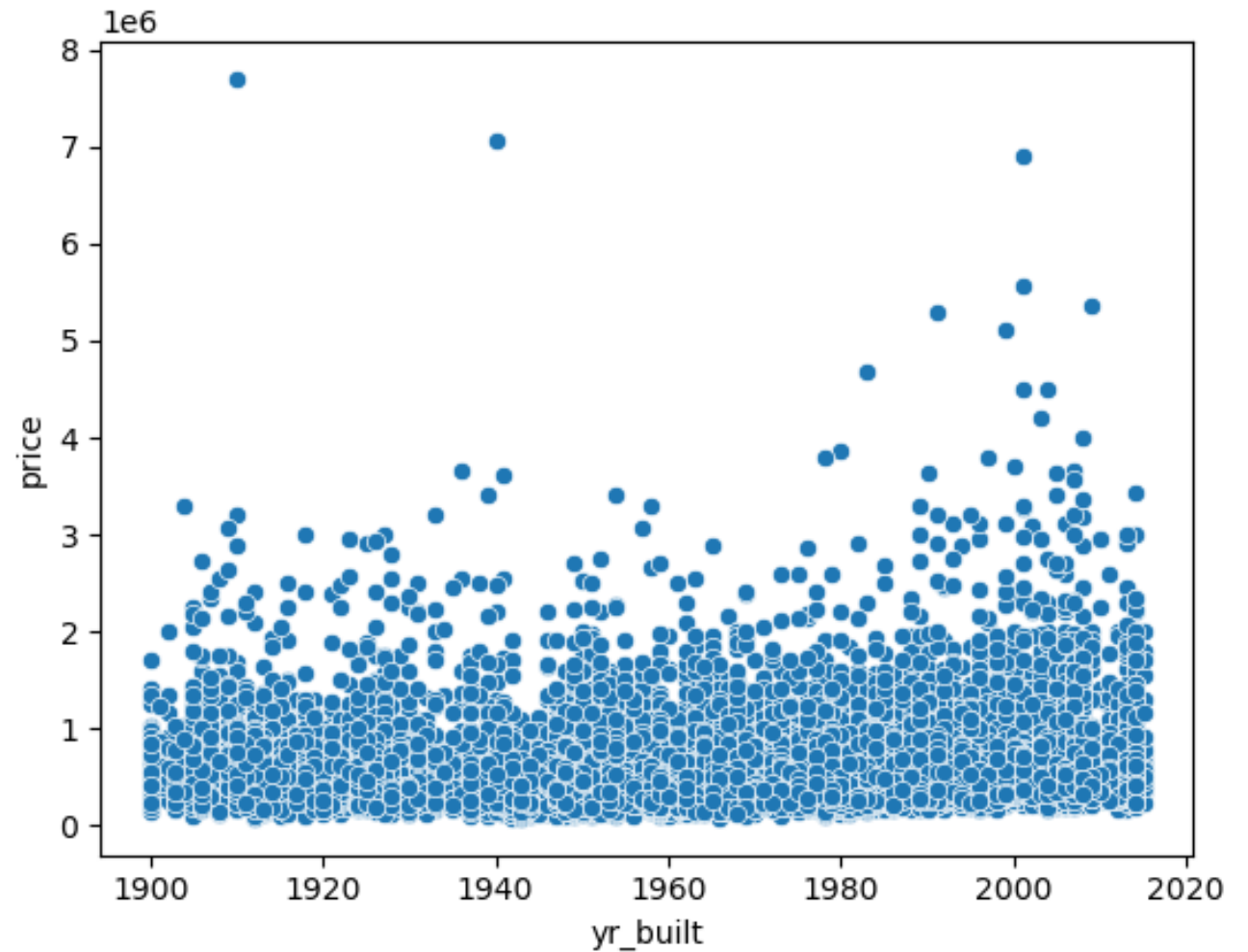
There's a positive correlation between the grade of the houses and the price. The findings show that houses are graded as per their state of repair and houses with a good state of repair have a higher price compared to the houses that are poorly renovated.

Price increases with increase in the state of repair of the house.



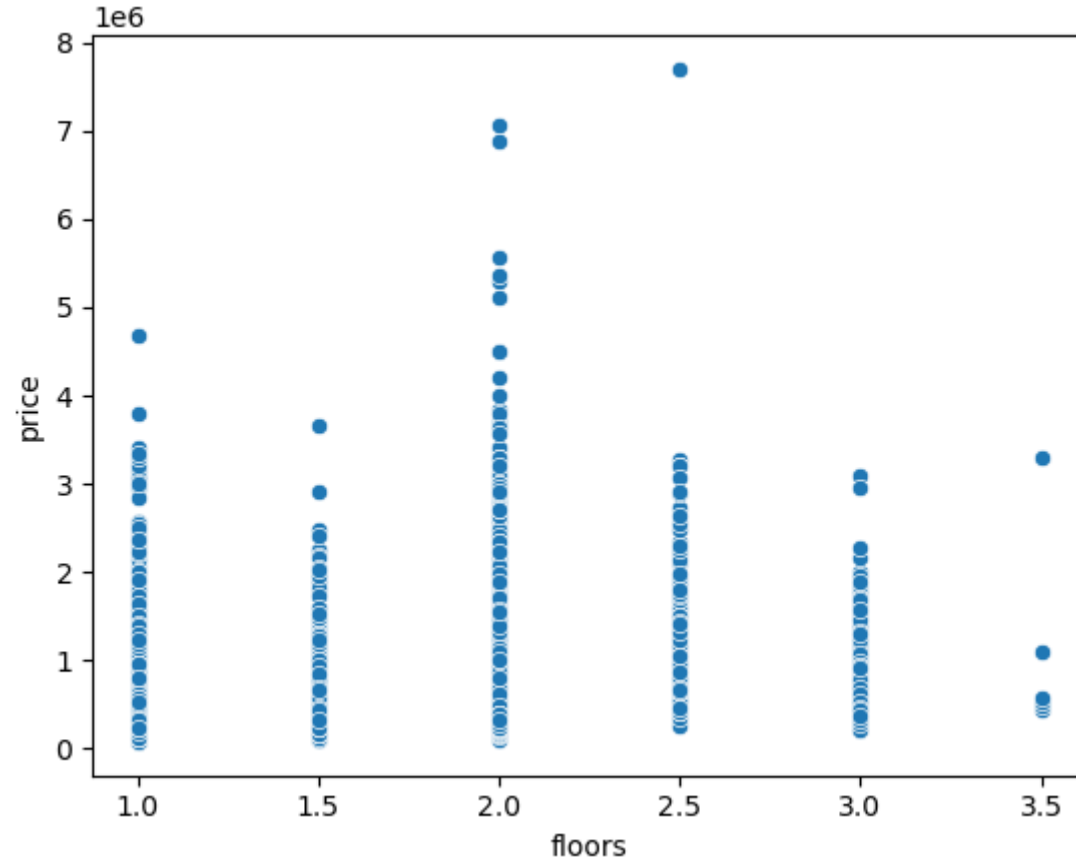
# BIVARIATE DATA ANALYSIS.

There's a negative correlation between price and the year the houses were renovated. The price of the house's does not increase depending on the year the house were renovated.



# BIVARIATE DATA ANALYSIS.

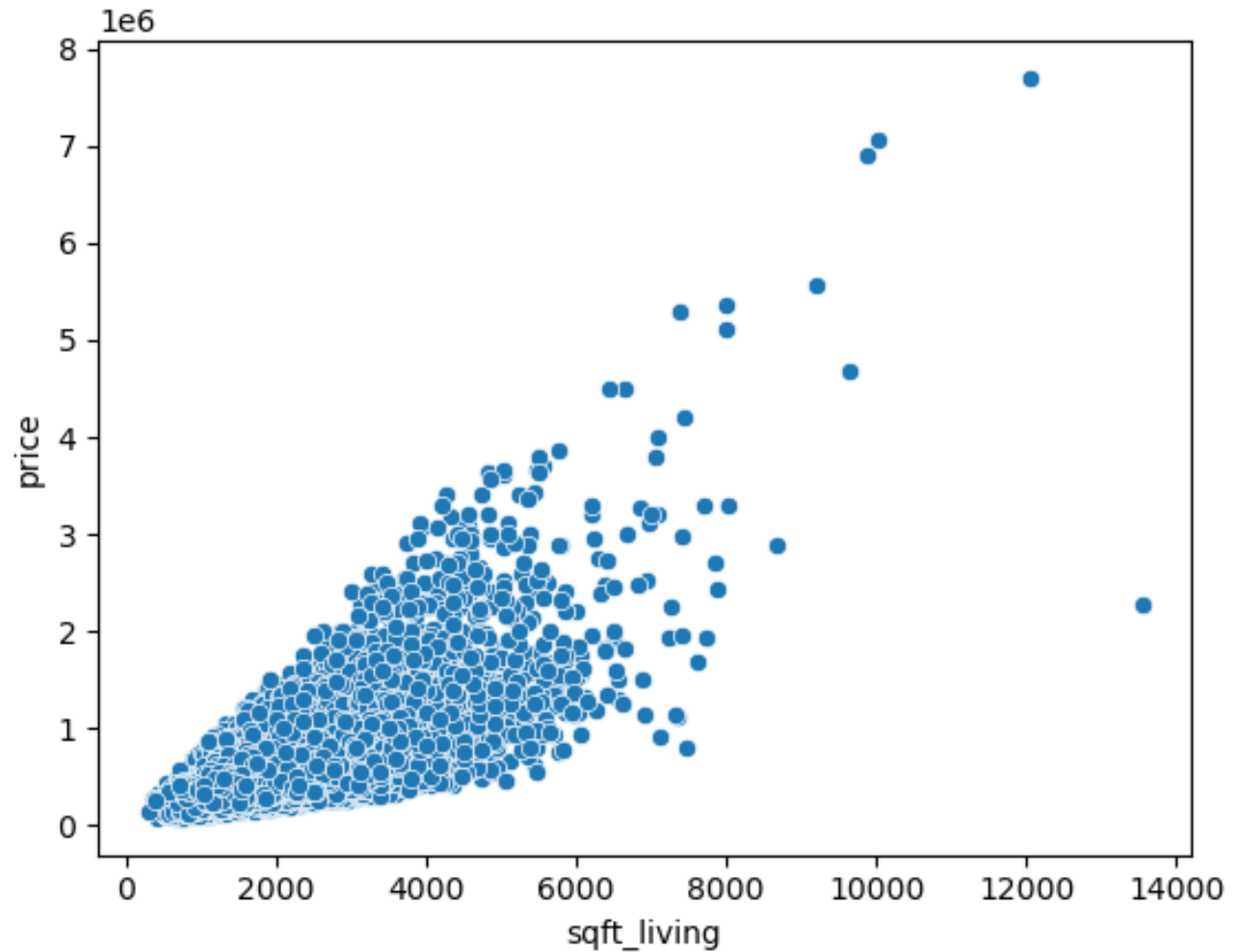
From the findings it shows there's a weak positive correlation between floors and the price. These show's the price of the house depends on how well the floor's are repaired, house's with floor's that are highly renovated have a higher price compared with the house's that have floor's that are poorly renovated.





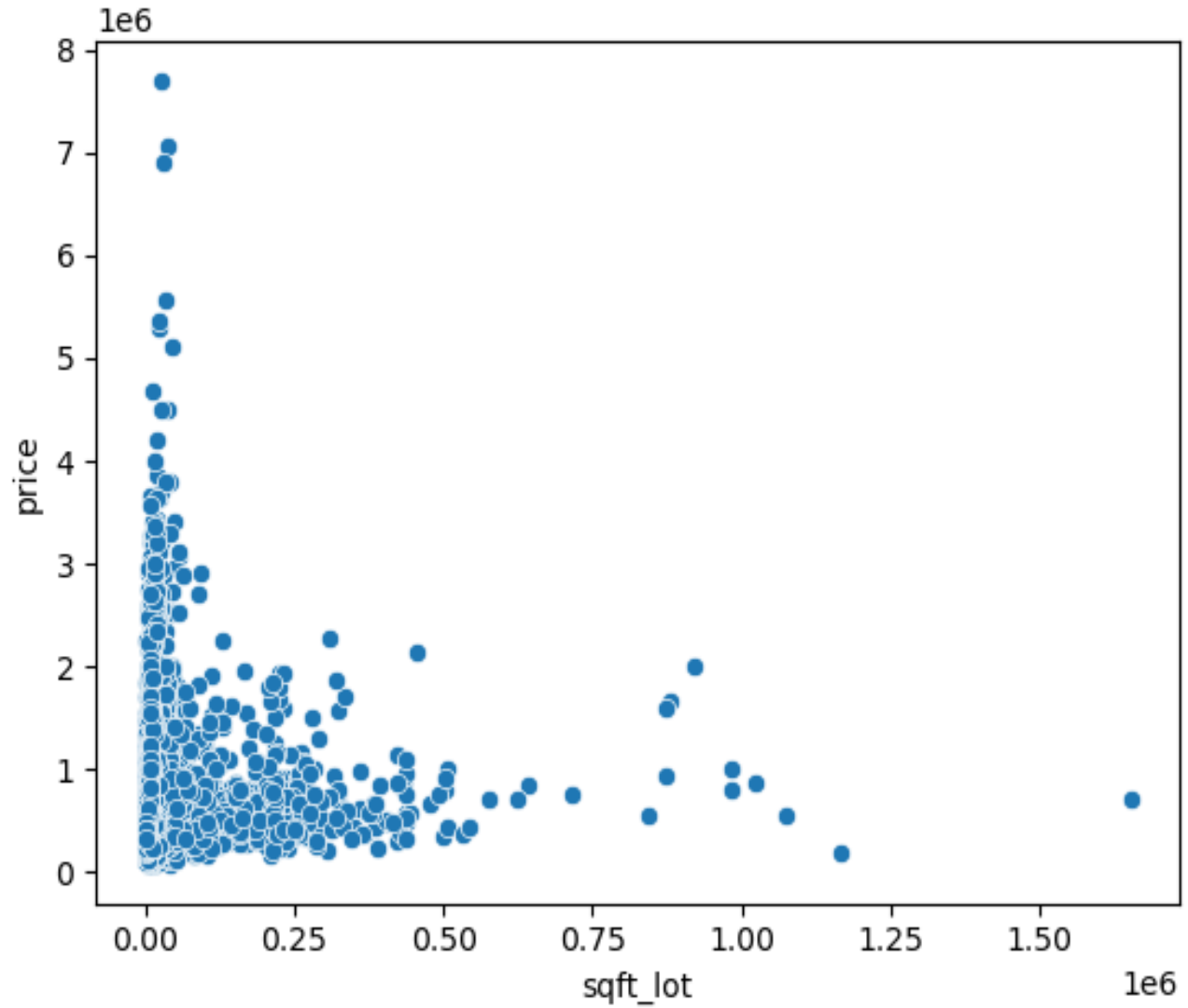
# BIVARIATE DATA ANALYSIS.

There's a positive correlation between the sqft\_living and the price. Price of the house renovated increases with an increase in square feet living area.



# BIVARIATE DATA ANALYSIS.

There's a negative correlation between the sqft\_lot and the price of the house renovated. The price of the house does not increase with the size of the floor being renovated it's the quality of the floor that will increase the price of the house but not the size of the floor.



# RECOMMENDATION'S.

- The price of the house should depend on the quality of the house renovated.

# CONCLUSION'S

- From the Analysis above it shows the price of the house depends on the quality of the renovated bedrooms, bathrooms, and the grade of the house.
- There's a strong positive correlation between the price and the three variables.