KING COUNTY HOUSE SALES

PRICE PREDICTION MODEL

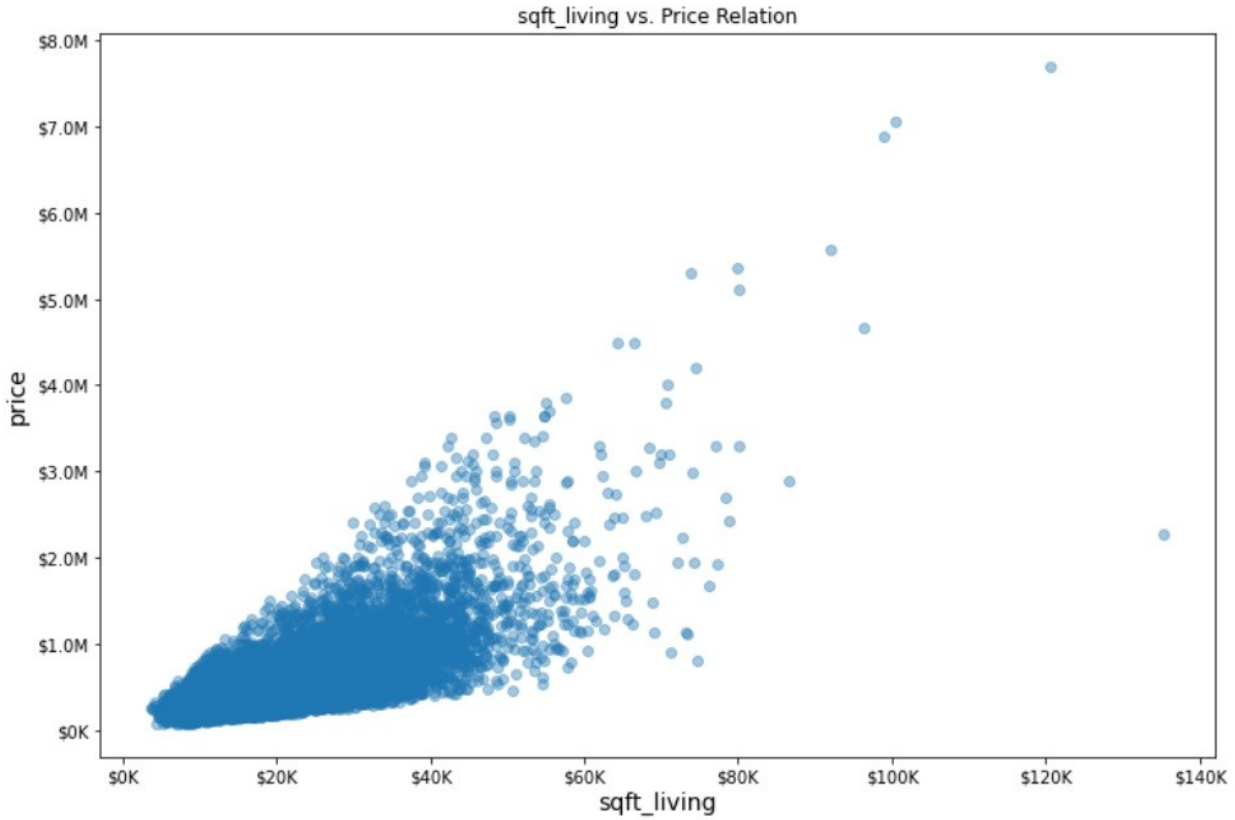
BUSINESS PROBLEM

Developing a model to predict sale price of houses including each features effect.

BUSINESS VALUE

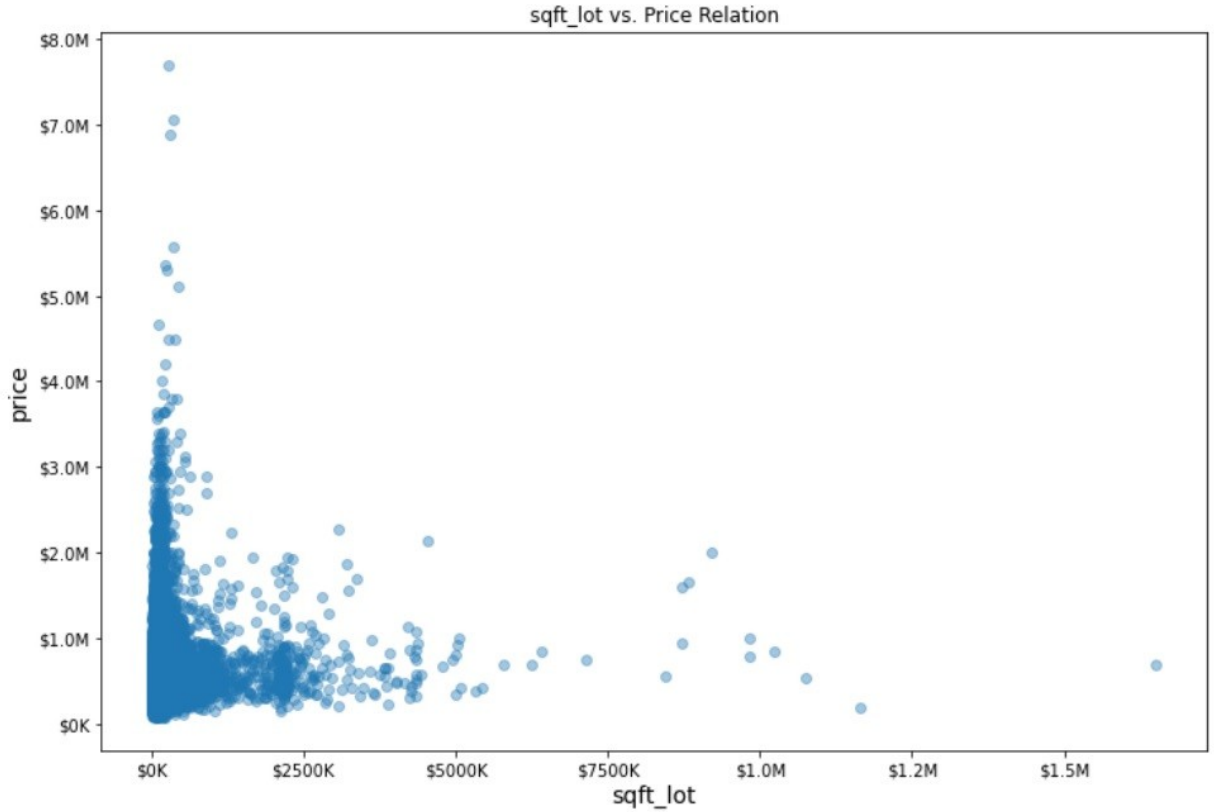
1. More accurate estimating on sale price is best for new house projects.
2. Better understanding of how each feature effect on price.

DATA UNDERSTANDING

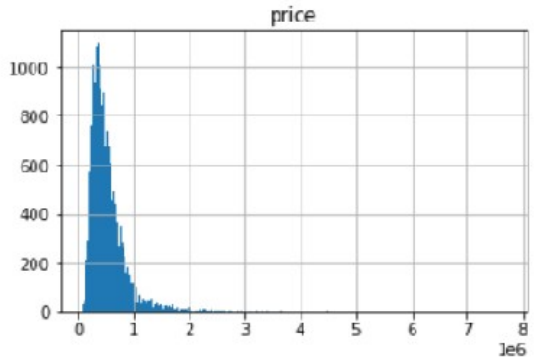


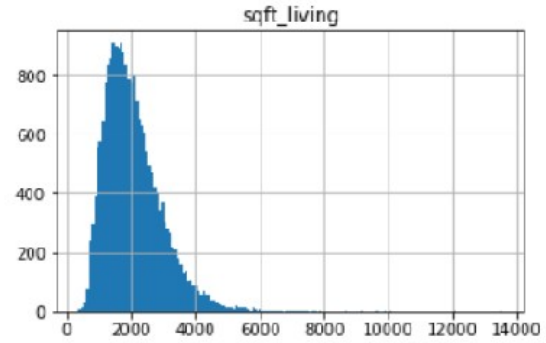
This is the first feature of 'Square feet living'. As you can see in the graph higher square feet provides higher price.

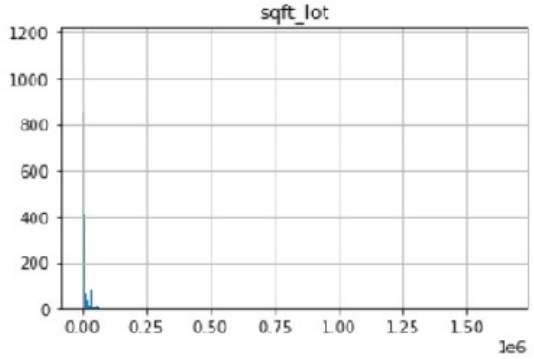
DATA UNDERSTANDING

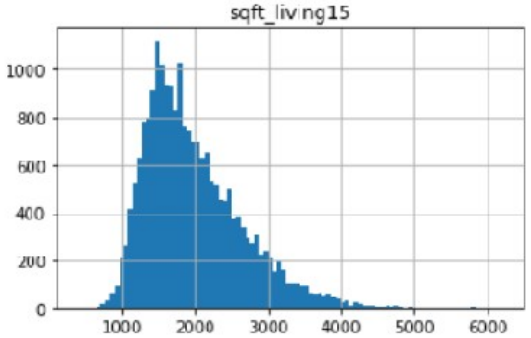


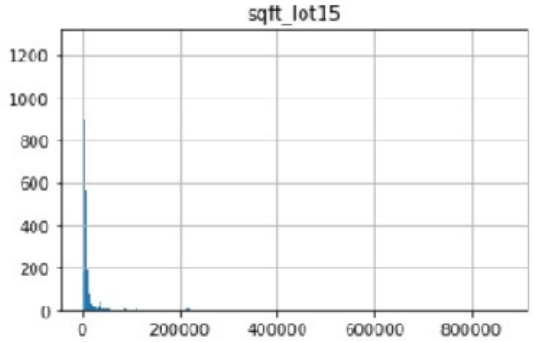
In this feauture ' Square feet lot ' doesn't have direct linear relationship with the price.



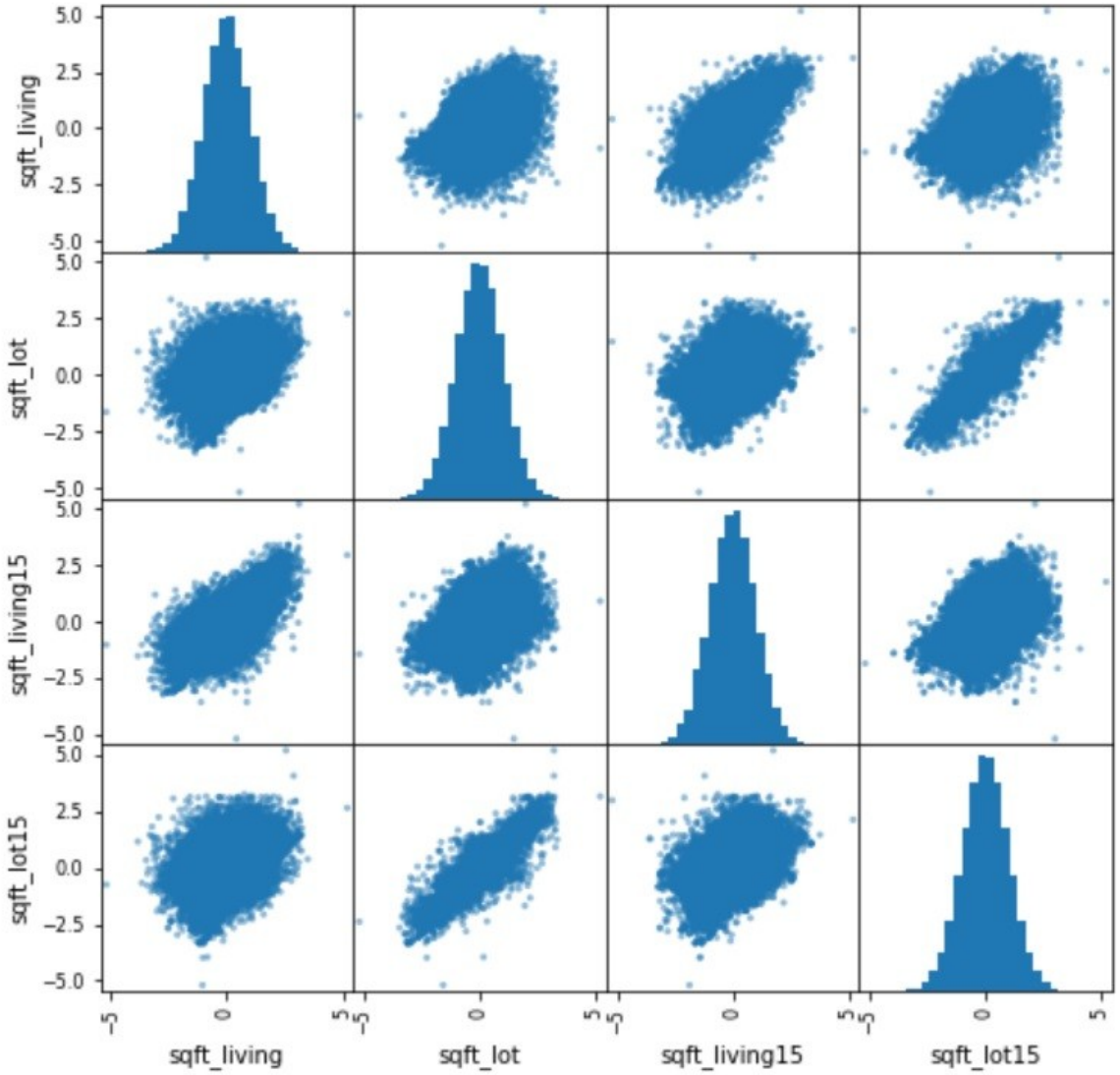








In here we can see our features are not normally distributed, we will work on these features for our model.



We can see in this graph for relation features with each other.
After working on these 'continuous' features , they are now scaled and normally distributed for our model.

CONCLUSION

This model %84 percent predict of the house price.

- Findings ;

1. Living size(Square feet)
2. Waterfront effects a lot.
3. Condition is one of most importants.
4. Views effects a lot.

FUTURE WORK

For future work for this model could be work on location with latitude,longitude or zipcode for better modeling.