

King County Advisors, LLC

Regression Analysis

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October , 2022





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Here you could describe the
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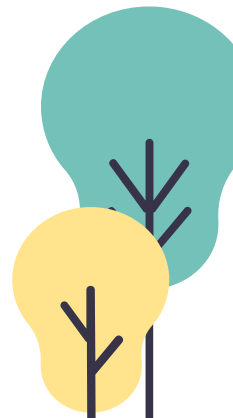
Summary

Modeling- Accuracy and
Significance

06

Future

This is just the beginning



Business Understanding

King County sales data in the United States for years 2014-2015 will be conducted. The purpose of the analysis is to derive conclusions for business decision making purposes, affecting current homeowners and prospective buyers of this specific area. King county, is one of three Washington state counties that include Seattle, Bellevue and Tacoma area. It covers an area of of approximately 39 towns and cities. U.S Census Bureau stats indicate the county has a population of approximately 2.2 million people as of 2020.



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The Business Problem

You the buyer or seller in King County, want our advice in knowing what correlates and what is most significant to the sales price of your current or future home, you want to know what most affects the price of a home in this market!



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Methodology

1

Accessing the appropriate
data correctly



2

Cleaning a Database with
more than 21,000 rows



3

Exploring and Modeling



Linear Regressions- Finding correlations and Linearity

Square Footage

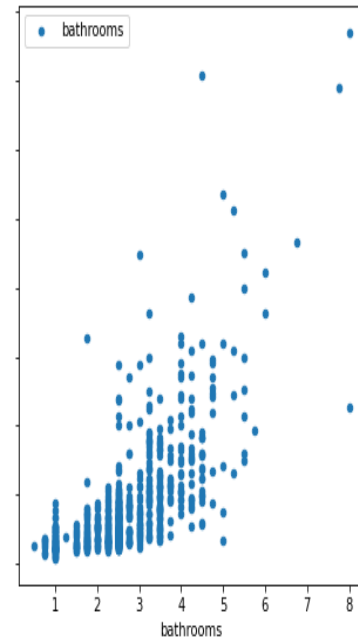
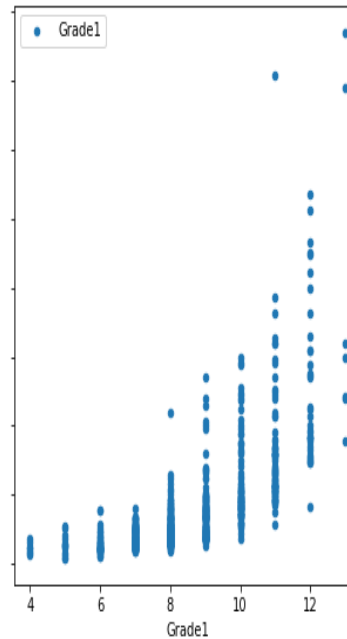
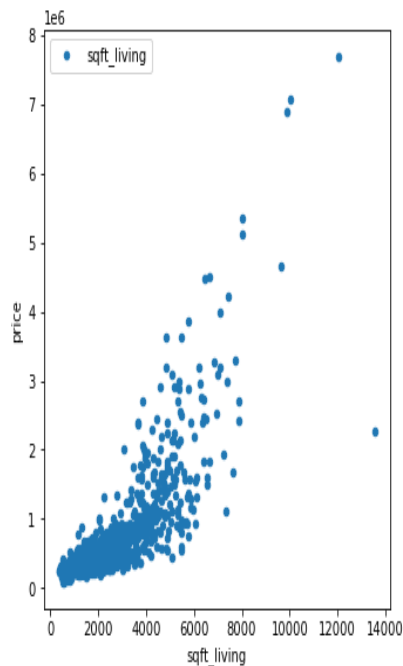
This is the factor that is highly related to price in King County

Grade

The grade level of the house the second factor related to price

Bathrooms

Interestingly enough, bathrooms also make the top 3 list



If you want to modify this graph, click on it, follow the link, change the data and replace it

Why Trust our Results based on Data Statistics

R-Squared

A measure of how much is covered by our model, show a 83% level of coverage when we ran our data.

Price will be higher

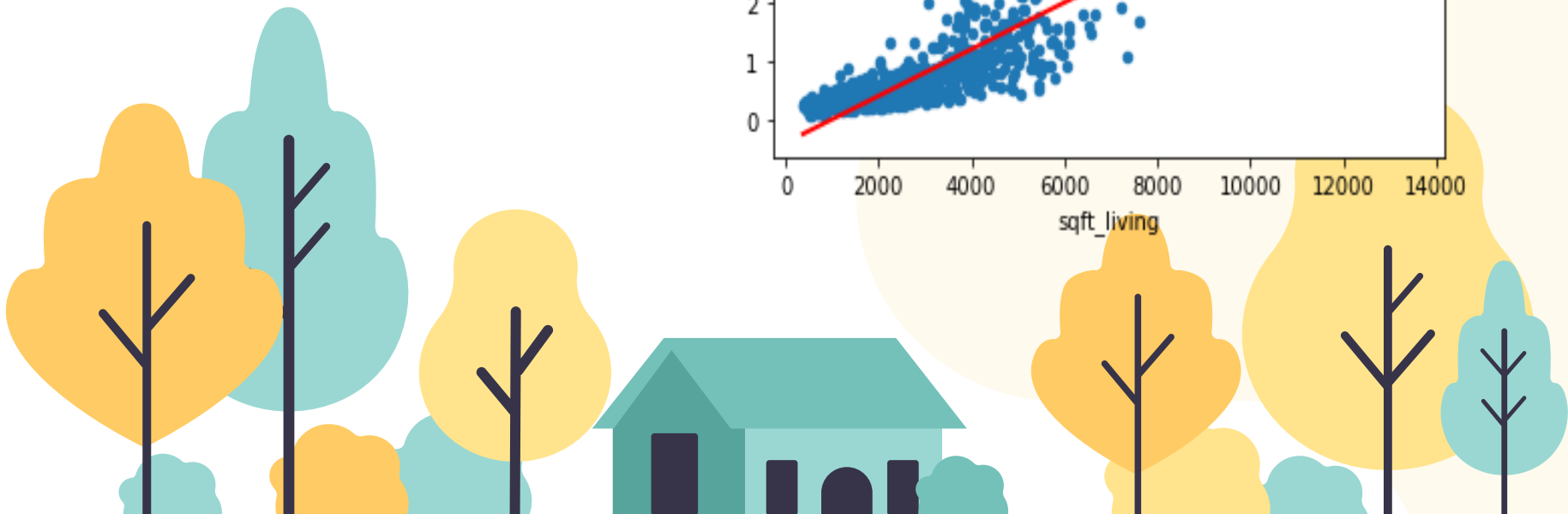
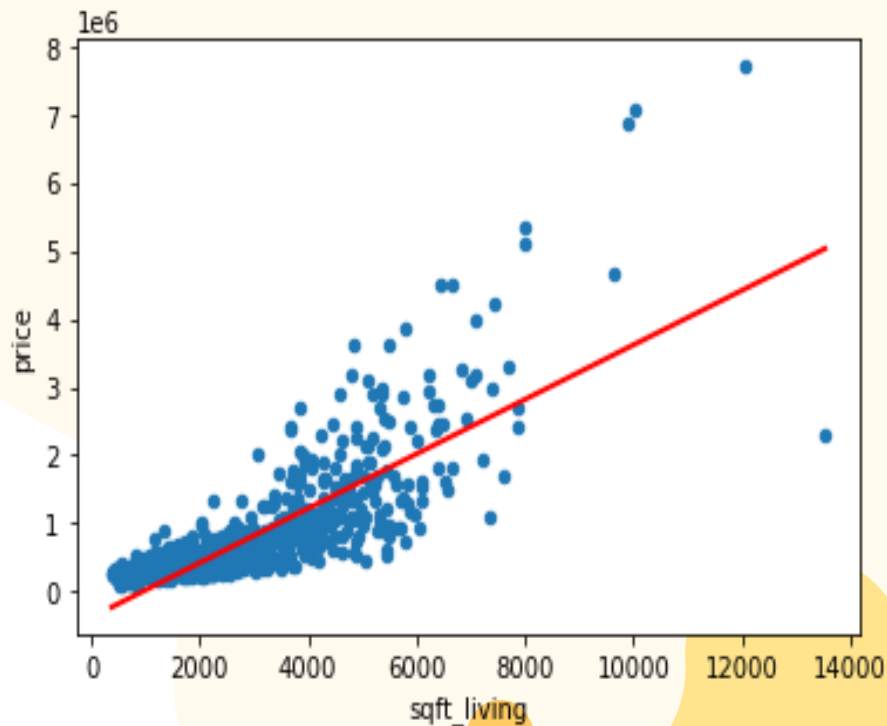
When you focus on our factors, price will be higher

P-Values

When we ran our model, we discovered that because this value is less than 0.05, we can find our model to be statistically significant



A closer look to the Model of
Square Footage shows the Linear
Regression model line



Our Recommendations & the Future

#1



**Building Larger
Square Footage
Homes that pay
off better in this
county**

#2



**The Better Built
the homes are,
the higher the
price you'll
receive when
sold**

#3



Stay with us
We can get more
value for you and
obtain more details
using other databases

THANKS

Does anyone have any questions?

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