

# King County Advisors, LLC

## Regression Analysis

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## TABLE OF CONTENTS

**01**

### **Business Understanding**

King County Data Base  
exploration

**02**

### **Business Problem**

Why our Advisory?

**03**

### **Methodology**

How we will go about  
business

**04**

### **Displaying results**

Displaying correlations

**05**

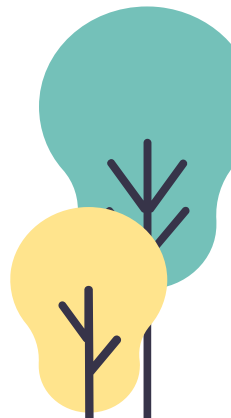
### **Summary**

Modeling- Accuracy R-  
Squared and P-Value

**06**

### **Recommendations**

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



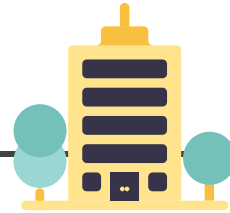
**2**

Cleaning a Database with  
more than 21,000 rows



**3**

Exploring and Modeling



## Linear Regressions- Finding correlations and Linearity

### Square Footage

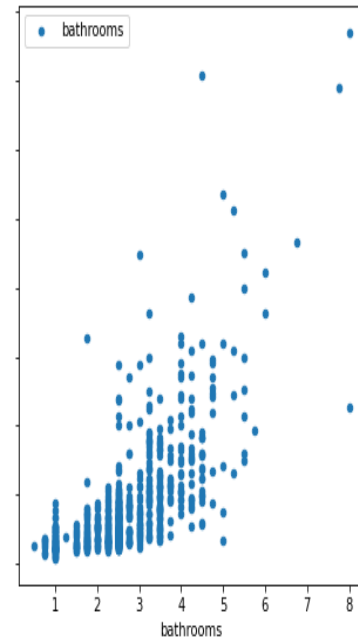
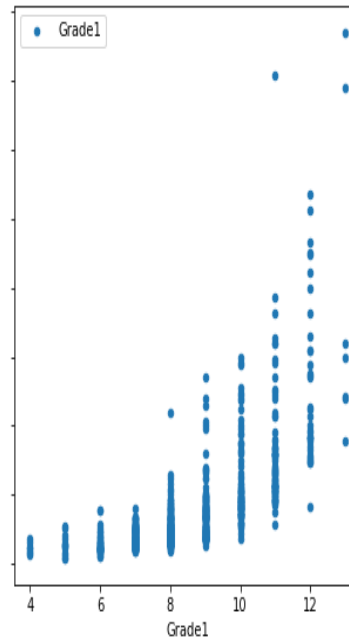
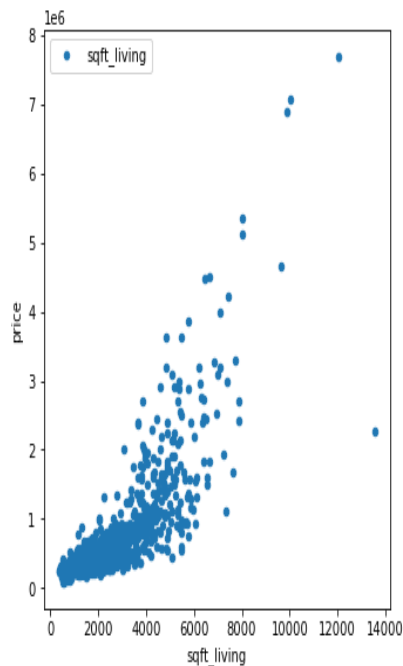
This is the factor that is highly related to price in King County

### 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

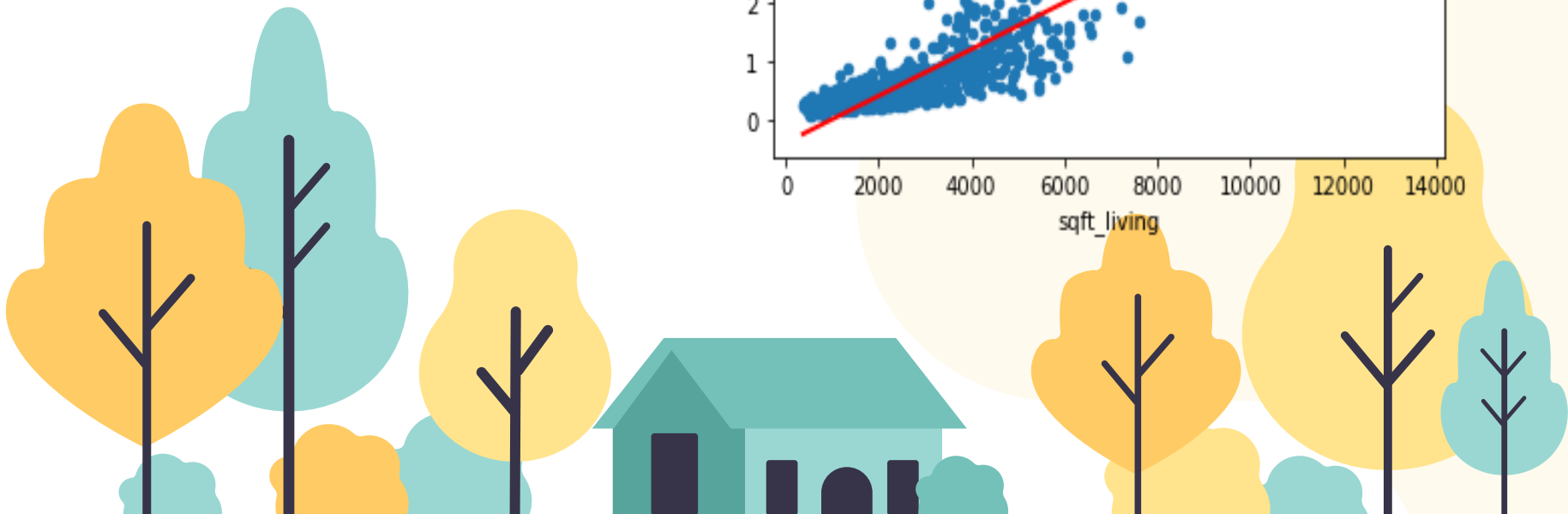
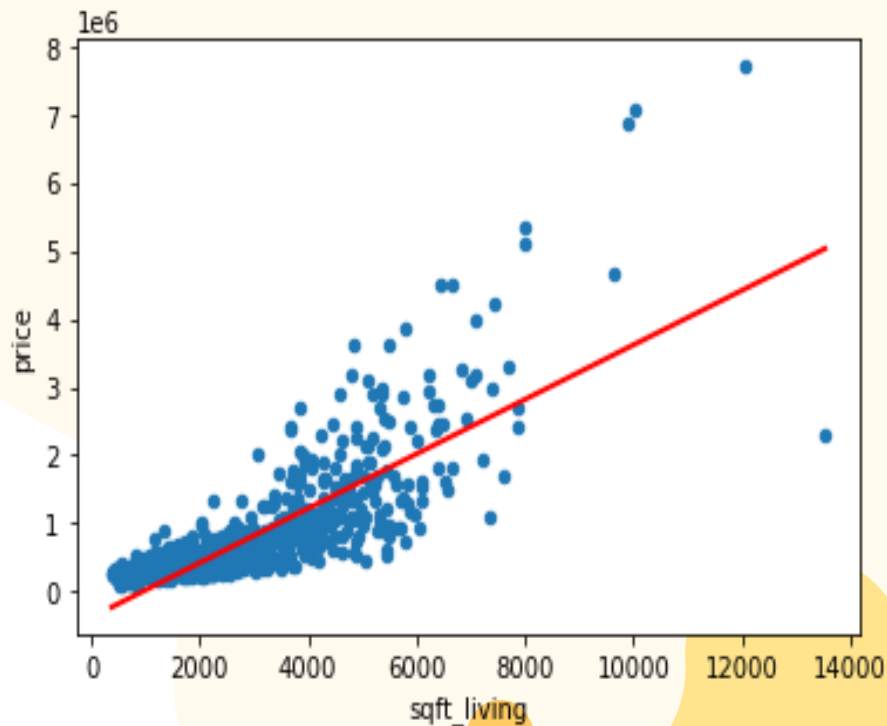
When you focus on our factors, price will be higher

#### 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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