# Better Solutions Inc

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# Why Better Solutions?

Our recommendations are Data-Driven,

We understand the effect of unique property attributes on sale price.

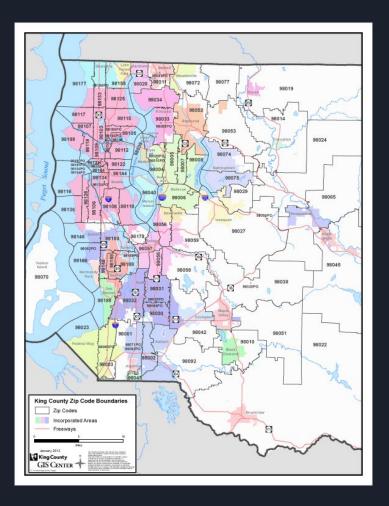
Looking for home improvement ideas that will increase your house value?

# Our Technology

Building machine learning models using 19 unique variables over 20,000 home sales data.

WE create prediction models capable of predicting house prices.

Analyze features and gain deeper insights.



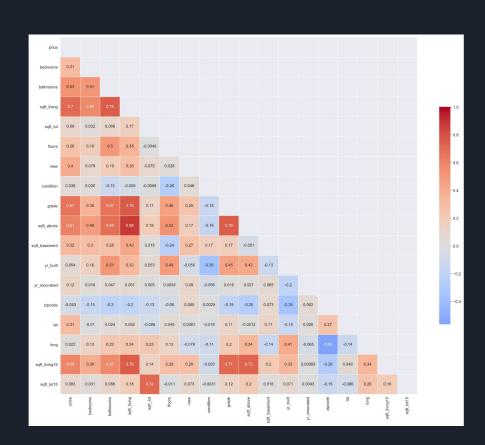
### **Exploring Data**

We have been tasked with investigating the sale price of houses in the King County area and build a multivariable linear regression model to predict sale prices.

Heat map is one tool used to understand the initial data relationships. Darker reds indicate stronger relationships.

Discover new features and incorporate them into our analysis

Statically transform data to meet model assumptions.



# Findings



# Finding #1 Living Area vs Price

This shows that in crease the living area of the home also increase the sale price of the house



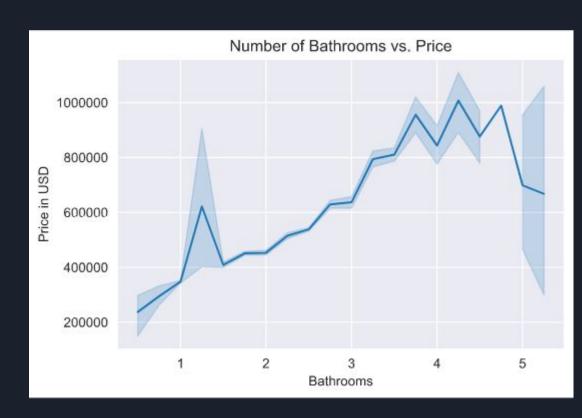
# Finding #2 Grade vs Price

Using higher quality materials will increase the grade of the house.



# Finding #3 Bathrooms vs Price

This feature you will want to focus on if you want to improve your sale price.



# Finding #4 Condition vs Price

Condition grade of "3" puts your house at a higher competitive sale price range.



#### Recomendations

Increase the living square footage of the house.

Improve the overall grade of the house.

Avoid adding additional bedrooms or Floors..

#### Future Work

Analyze the distance for major sporting areas and high ranked schools.

Analyze a more recent data set due to gentrification.

# Thank You