

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green. They are positioned diagonally, with the blue one partially covering the green one.

# King County House Valuation

By: Edgar Barron

# Housing

- Various Factors contribute to a home's evaluation
- Home appraisers can give an estimate of a house's value
- Historical data, let's see what can contribute to what a home's value is





# Methods

- Python: Programming Language
  - SQL: Language, Large data handler
  - Pandas: Package
  - Scipy.Stats: Package
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- We used statistical regression methods to evaluate historical data to determine the factors that contribute to higher evaluation of homes.
  - We strived to verify positive correlation between values and the target data, Sales Price.



# Findings

- The Living space in square feet accounted for 42% of the home's evaluation price
- We found that this value had a strong statistical relationship with housing prices.
- For every increase of 1 square foot, we found that the housing price would increase by \$246.36.



## Next Steps...

- Remove the outliers from data.
- Categorize the data by groups (zip codes, # stories, decade)



# Thanks!

Does anyone have any questions?

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