



# Seattle Home Sales

By: Lenore, Seraj, and Carlos



# The Team



**Lenore**  
**Data Scientist**



**Seraj**  
**Data Scientist**



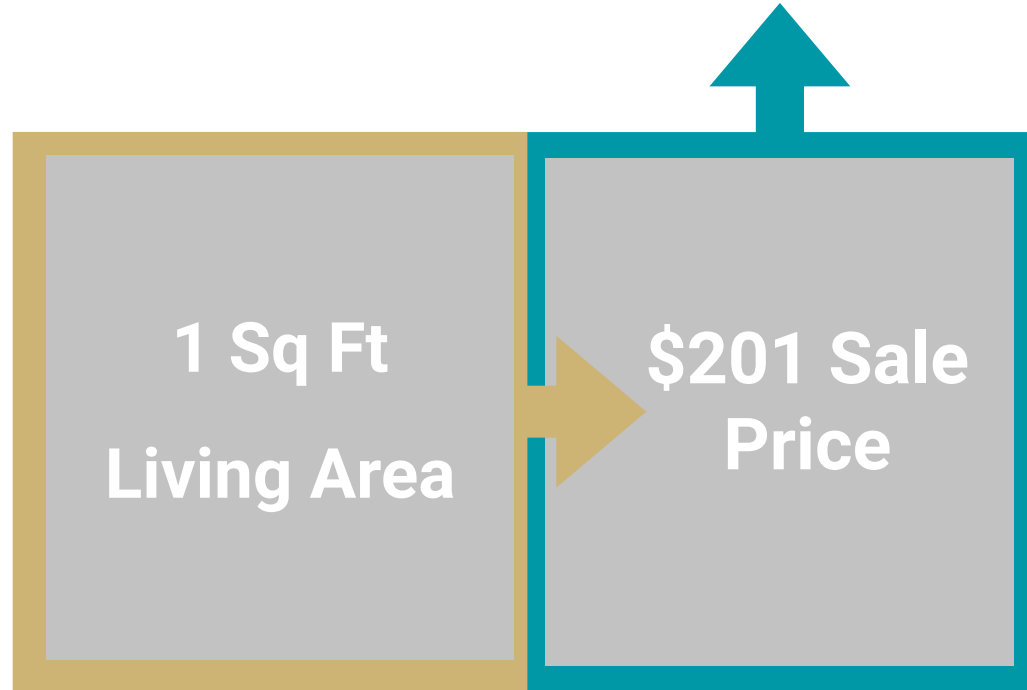
**Carlos**  
**Data Scientist**

# Agenda

- **Dataset Overview**
- **Methods**
- **Modeling**
- **Recommendations**
- **Future Research**



Bottom Line:





# Overview of Data

# King County Home Sale Data

- May 2014 to May 2015
- About 20,000 entries

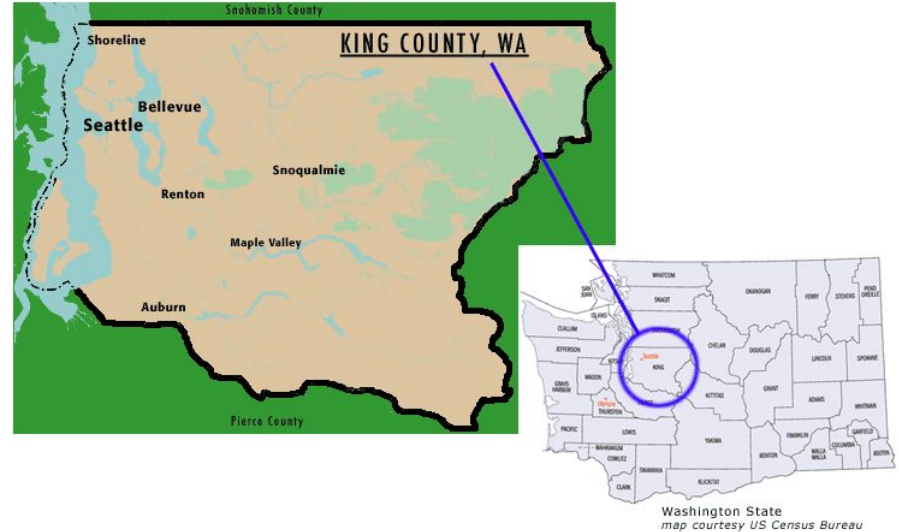


Image Source: [content.lib.washington.edu](http://content.lib.washington.edu)

Overview of Data

Methods

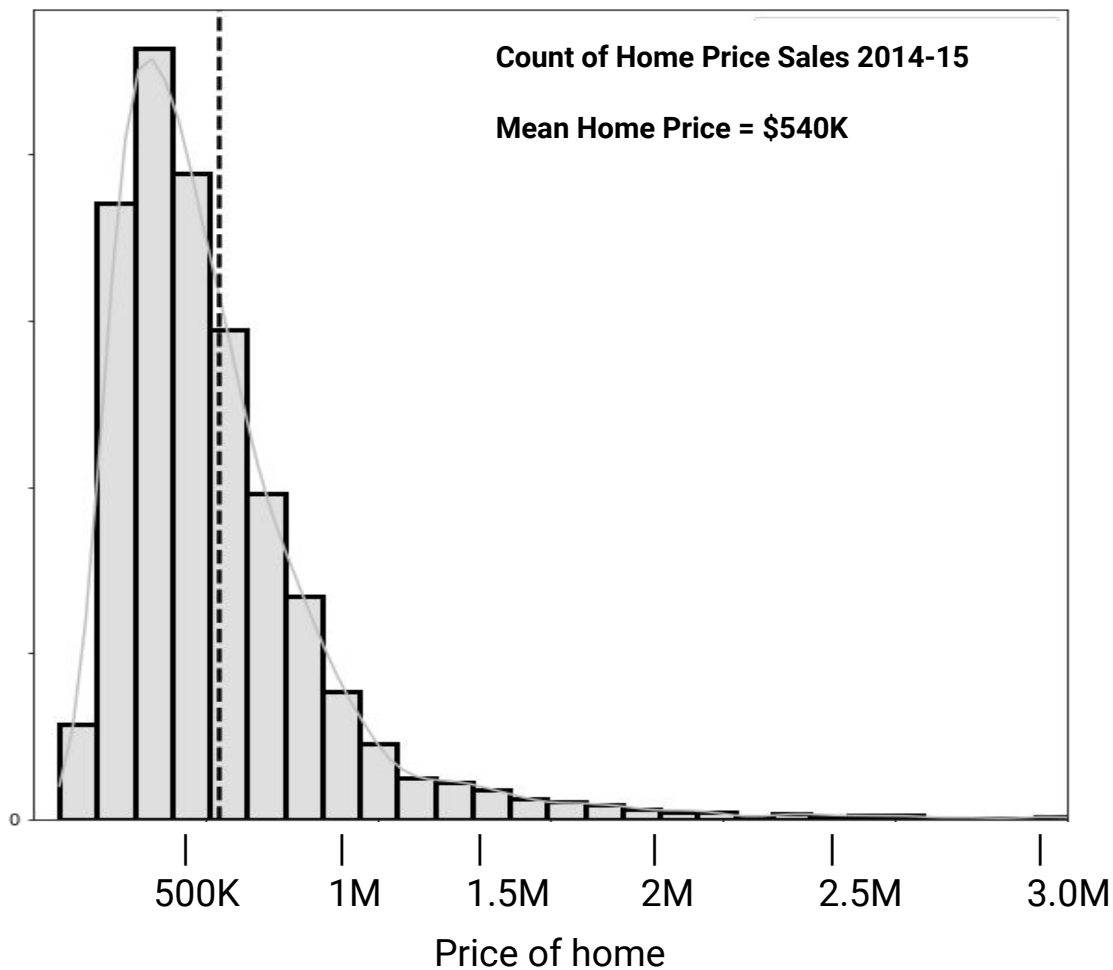
Modeling

Recommendations

# Average Home Prices

Count of Home Sales

4000-  
3000-  
2000-  
1000-  
0



Overview of Data

Methods

Modeling

Recommendations

A decorative gold-colored frame with ornate floral and leaf motifs at the top and bottom. The frame is rectangular with rounded corners and a double-line border. The word "Methods" is centered within the frame.

# Methods



# Methods

- Identified correlation between factors
- Linear Regression Used to create Models
- Statistical inferences to interpret results



Overview of Data

**Methods**

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# Data Modeling

# Factors

- Square Foot Living Area
- Renovated Home
- Bathrooms



Overview of Data

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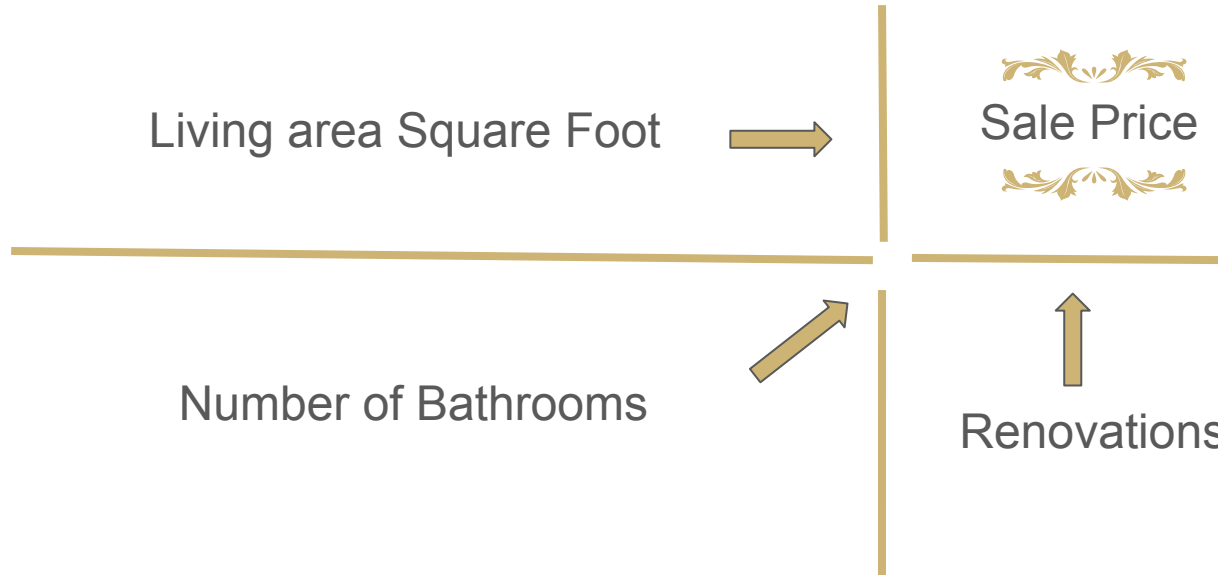
# Why go with the combination of these factors?

Sale price	Per:	Renovation	<u><i>\$125,000</i></u>
		Bathroom	<u><i>\$3,000</i></u>
		Sq-ft living area	<u><i>\$201</i></u>



# Recommendations

# Recommendations



Overview of Data

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Modeling

Recommendations

An aerial photograph of a lakeside residential development. In the foreground, a large, multi-story house with a prominent chimney and a wrap-around porch sits on a grassy lot. To its left is a circular paved area with a small fountain or well in the center. Further back, a cluster of houses of various styles and colors (red, white, yellow) are nestled among trees. A large body of water is visible in the background, with a bridge or dam structure spanning across it. The entire scene is framed by a semi-transparent orange border.

# **Future Ideas**

## **Specific Real Estate Needs + Regulations**

Thank You



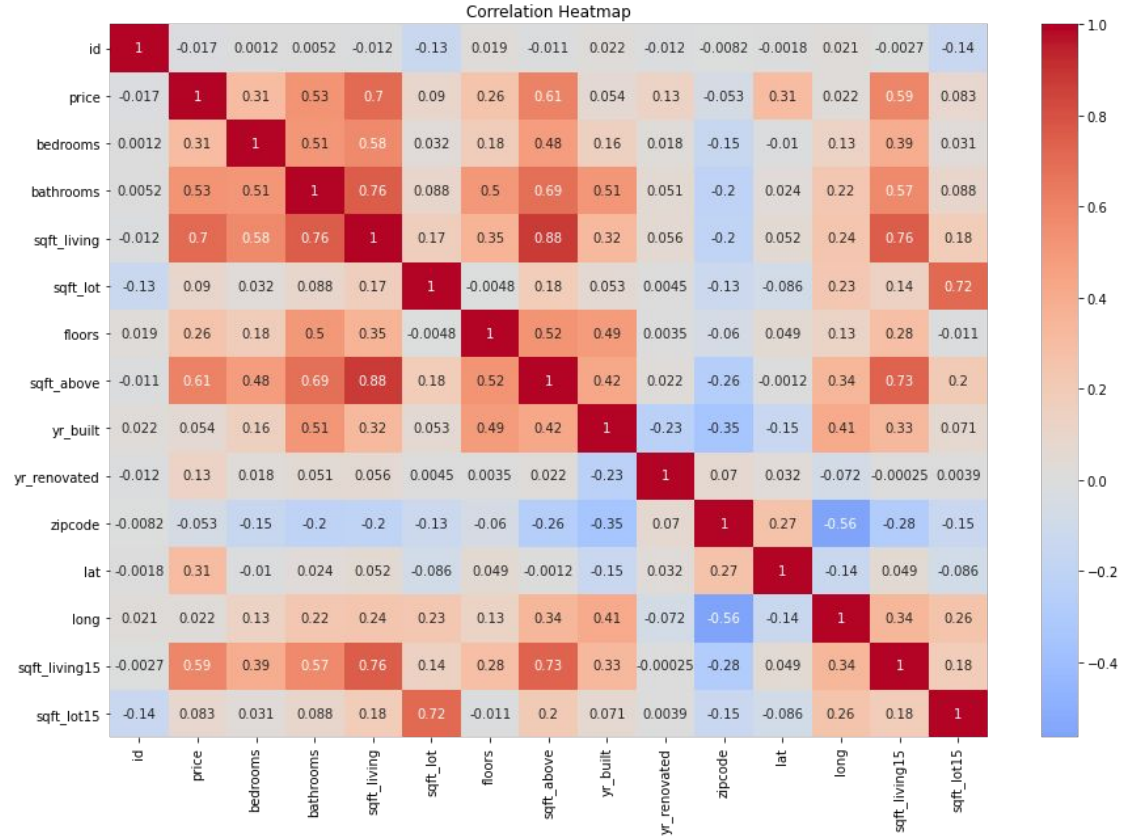


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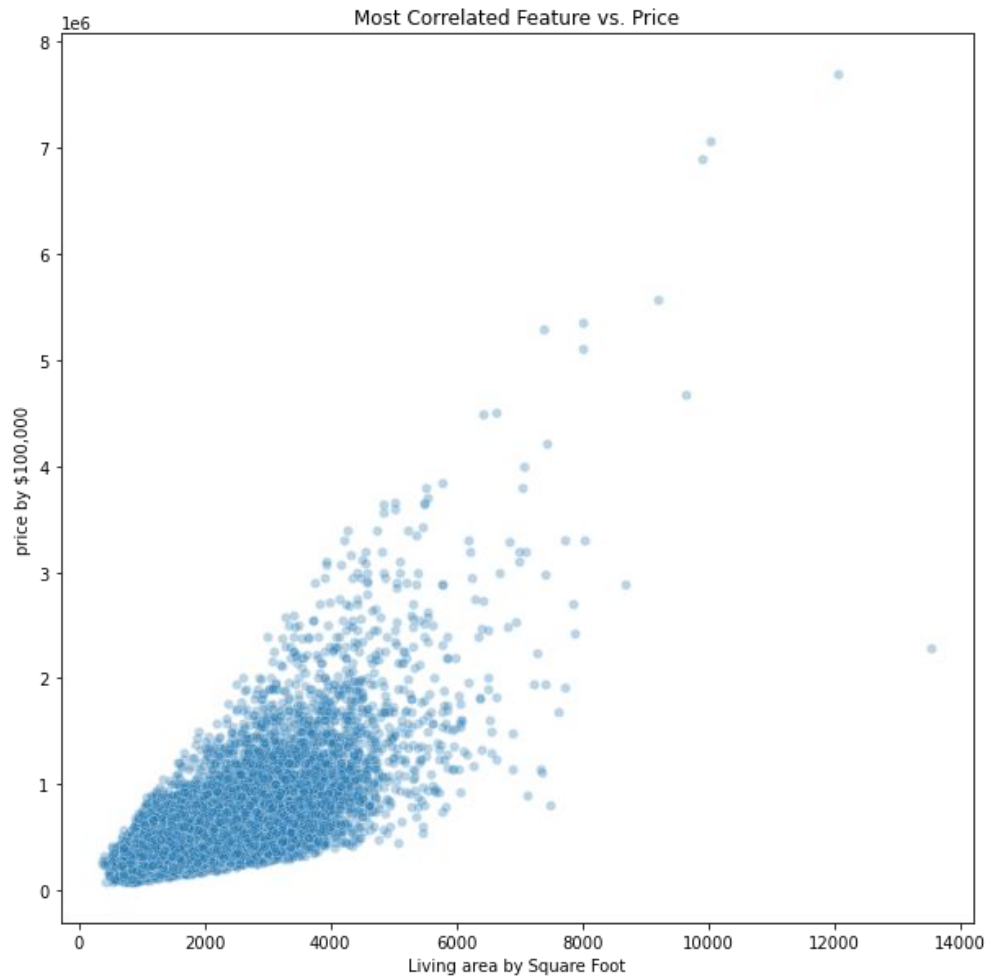
Questions?

# APPENDIX

# Heat Map



# Living Area Sq. Foot and Sale Price



# Final Model Variables Visual

