

REGRESSION ANALYSIS

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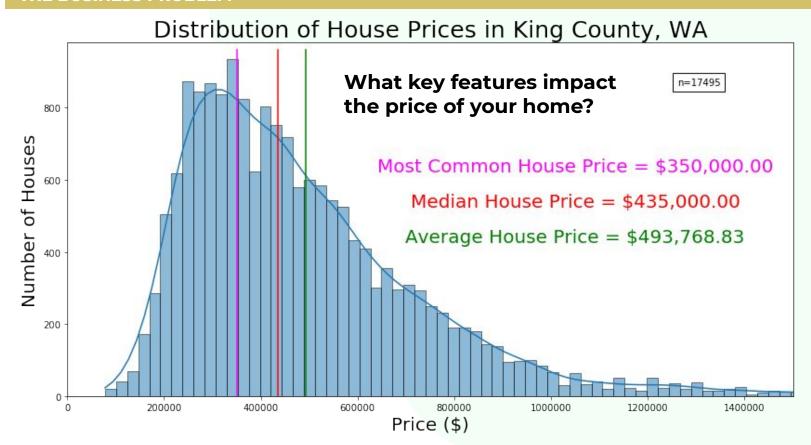
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**FUTURE WORK** 

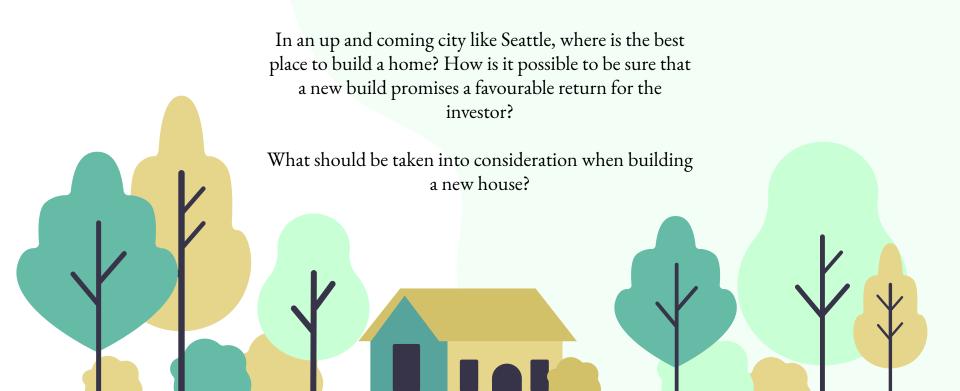
If you invest in us, we will further look into...



#### **THE BUSINESS PROBLEM**



#### **BUSINESS PROBLEM: WHAT KEY FEATURES INCREASE THE VALUE OF YOUR HOME?**

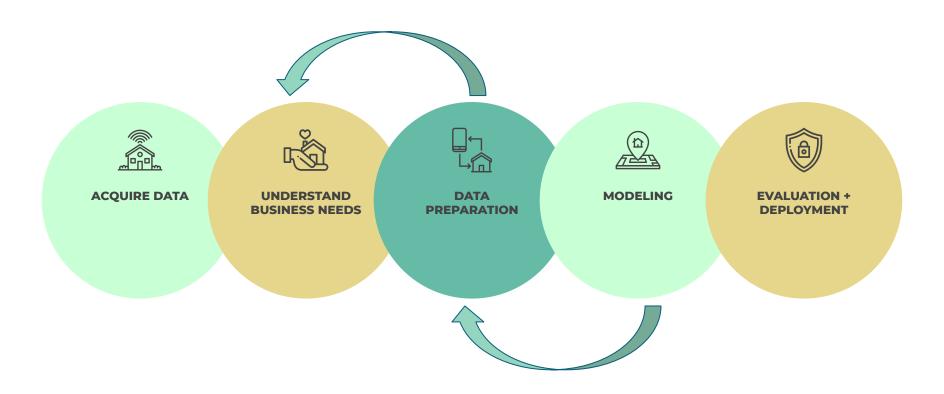


## WHY US? ADDED BUSINESS VALUE

Our company identifies key features that generate higher value homes. We are a data-driven company that tactfully builds homes in areas where the value of our investment will have a strong return. Using data science modeling techniques, we forecast the value of your real estate investment and recommend areas where your fixed construction costs will yield the highest value of price..

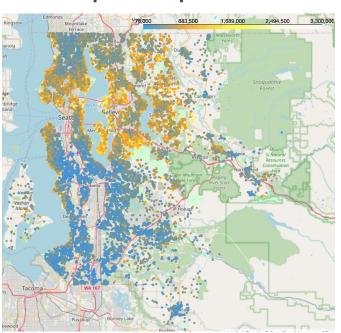


#### **METHODOLOGY**

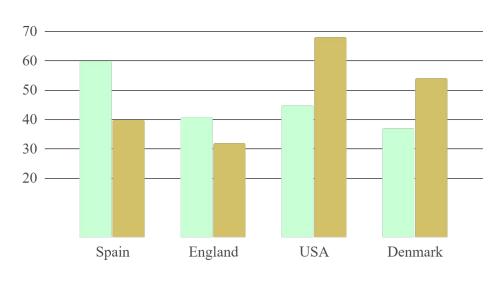


#### **House Prices Across King County**

#### **Heatmap of house prices**



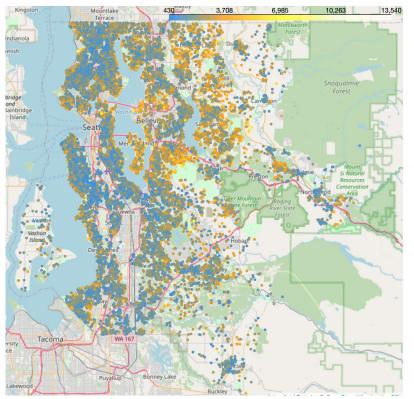
#### **Distribution of Prices**



Key Takeaway: There's a wide range of home prices in Seattle, with most homes selling between \$350k - \$500k

#### **FEATURE: SQUARE FOOTAGE**

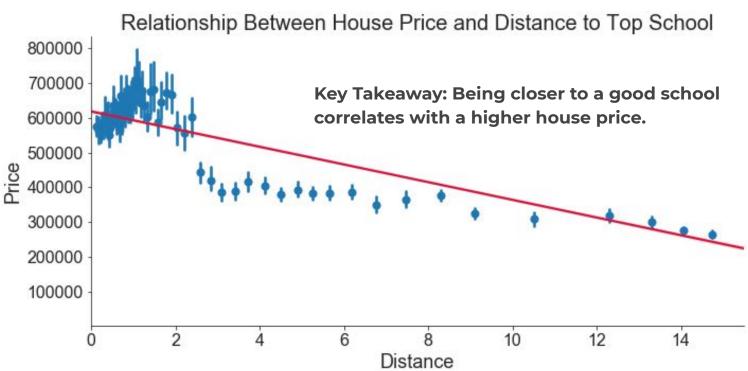
#### **SQUARE FOOTAGE OF HOMES IN KING COUNTY**



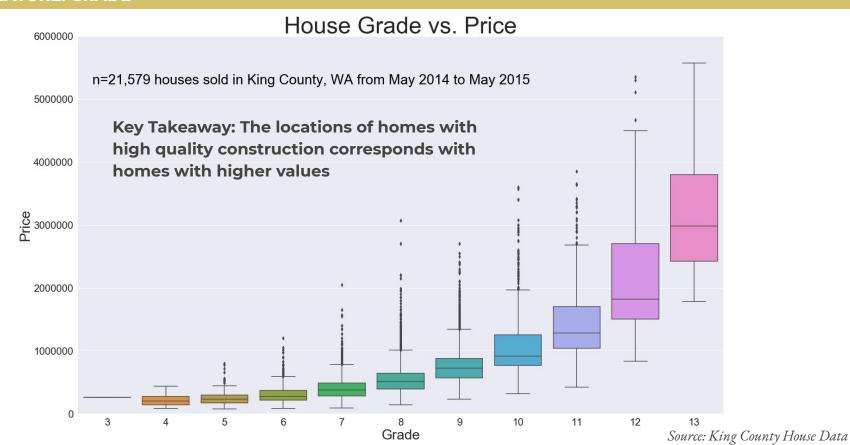
Key Takeaway: Higher square footage correlates with higher home values.

#### **FEATURE: TOP SCHOOLS**

#### PROXIMITY TO TOP EIGHT SCHOOL DISTRICTS IN KING COUNTY



#### **FEATURE: GRADE**



#### **FEATURE: GREAT COFFEE**

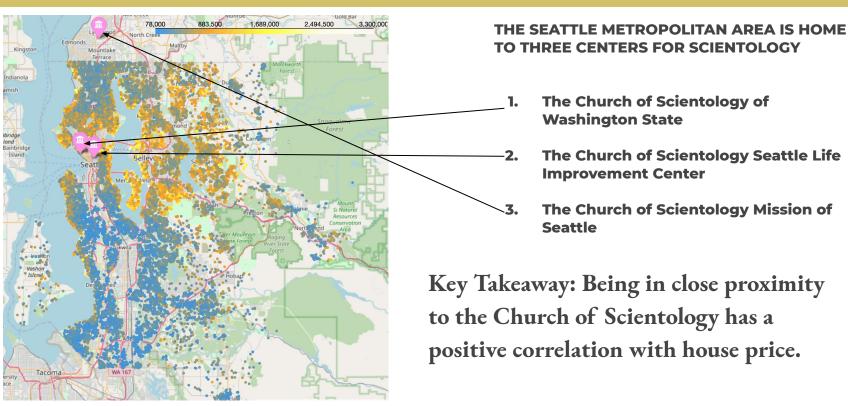
#### **DISTANCE TO THE CITY'S BEST COFFEE**



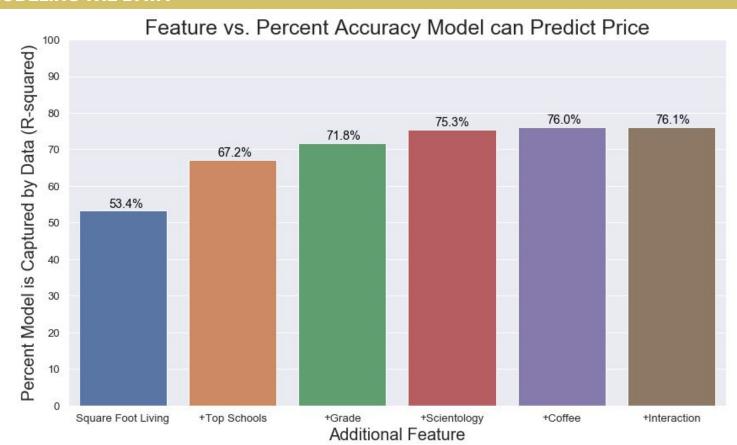
Key Takeaway: Home buyers value great coffee, and short distances to top coffee shops has a positive relationship with home value.

Source: Yelp Business API

#### **FEATURE: THE CHURCH OF SCIENTOLOGY**



#### **MODELING THE DATA**



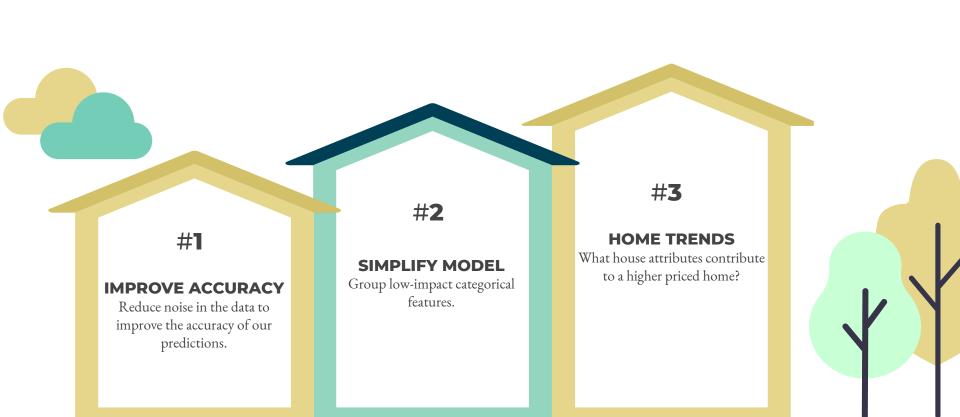
#### **OUR RECOMMENDATIONS: WHAT KEY FEATURES INCREASE THE VALUE OF YOUR HOME?**

- Build a larger, higher quality home that will produce a general range value house.
- The closer homes are built to top schools and coffee shops the better.

Neighborhoods with a Scientology Center generally have higher valued homes



#### **FUTURE WORK | TAKING IT TO THE NEXT LEVEL**



## **THANK YOU**

Diane Tunnicliffe

Matthew Lipman

in Dana Rausch

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#### **VECTORS**

- Flat nature landing page template
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- Woman enjoying her free time
- Teamwork concept for landing page
- ◀ Infographic timeline concept
- Set of different houses
- House for rent concept background
- House for rent concept background
- Eco village using renewable energies
- ◆ Flat background with a house for rent
- ◆ Family outdoors
- Set of young people reading
- Colorful people doing different actions
- Christmas town background in flat style
- Set of people enjoying their free time
- Creative flat christmas town background

### **APPENDIX**

















# **ALTERNATIVE ILLUSTRATIONS**







