

#### **Questions**

### Zip code

Does the average price of a home vary based on the zip code?

Are some zip codes more densely populated than others?

#### Nearest Cities

How does house price vary based on the proximity to the nearest city?

- Bellevue
- Seattle

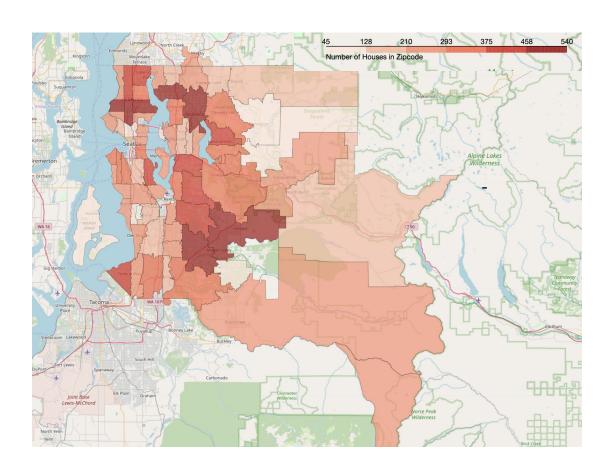
#### Waterfront

Are waterfront properties more expensive?

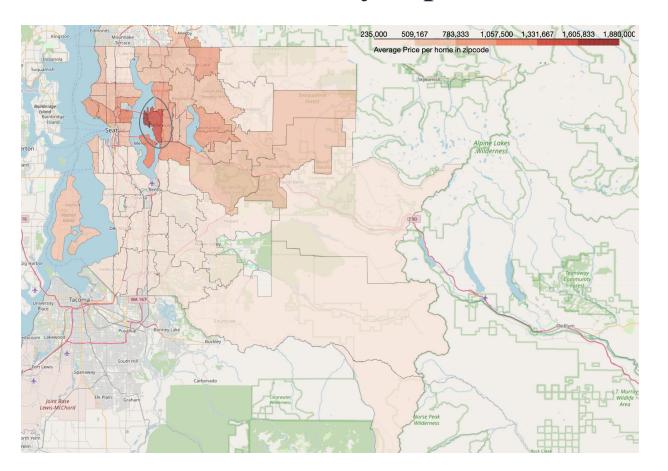
How does their price compare to non waterfront properties?

# Breakdown by Zip code

## Distribution of houses by Zip Code

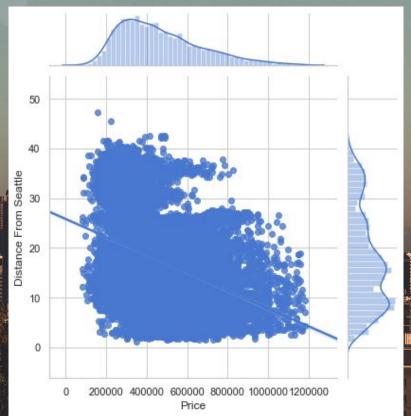


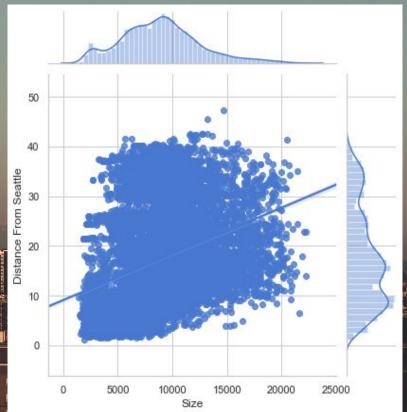
## **House Prices by Zip Code**

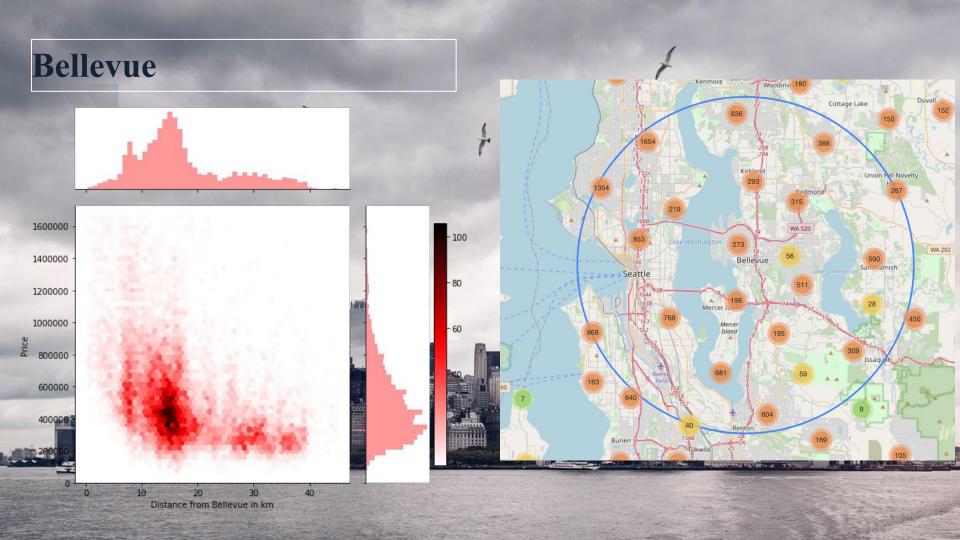


# Distance from 2 major Cities

#### Seattle



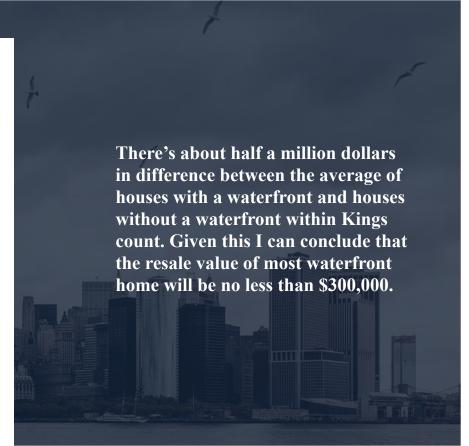




# What effect does waterfront have on the price of a home?

## **House prices vs Waterfront**

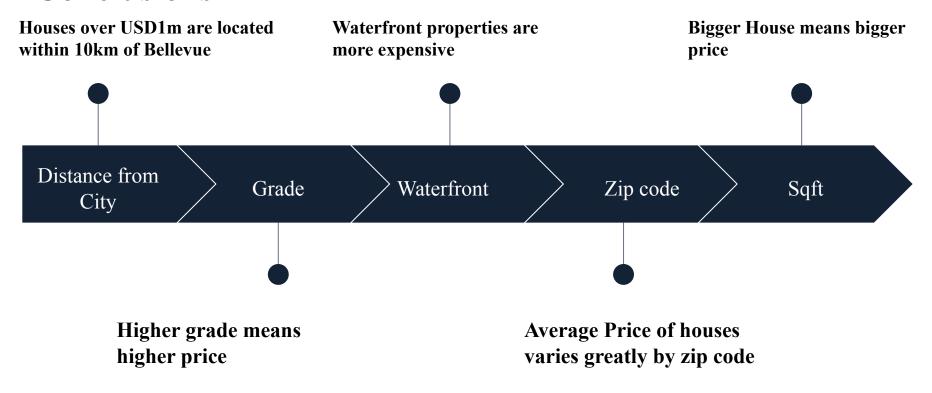


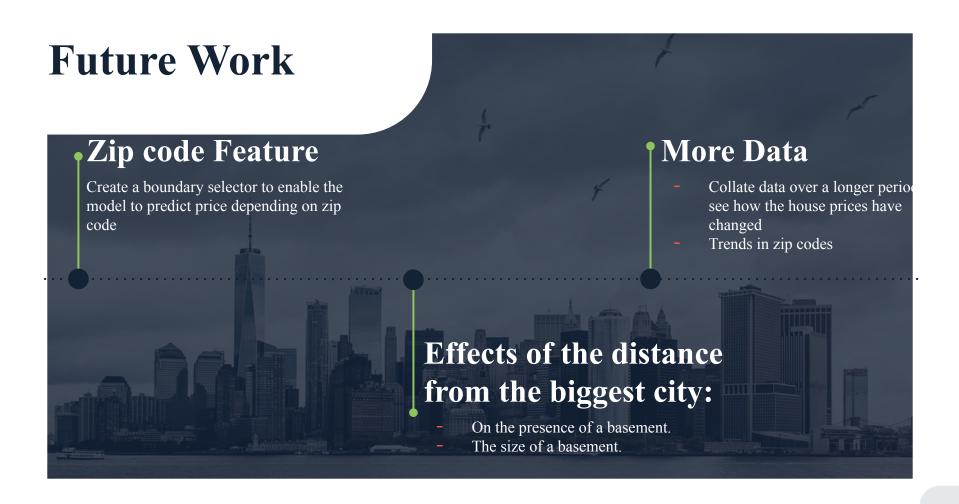




See Appendix for more detailed explanation

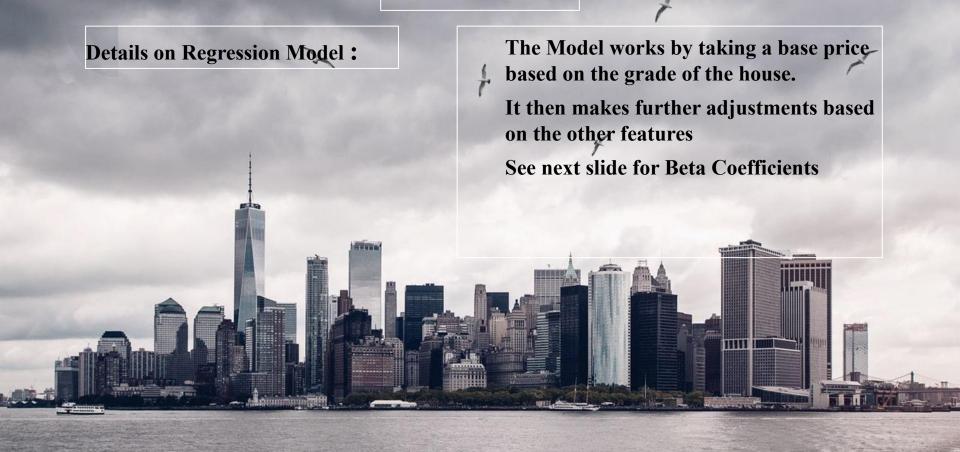
#### **Conclusions**







## **Appendix I**



## Beta Coefficients & Prediction Equation

Price = (84541 \* Area inside) + (24190 \* Area parking lot) + (-12510 \* Number of bedrooms) + (3849.4898 \* Number of bathrooms) + (-109100 \* Distance from City) + (429646 \* Grade 4) + (410804 \* Grade 5) + (400781 \* Grade 6) + (441474 \* Grade 7) + (499282 \* Grade 8) + (588835 \* Grade 9) + (648431 \* Grade 10) + (707515 \* Grade 11)

Bedrooms: -12,506.75

Bathrooms: 3,849.49

Sqft Living: 84,541.15

Sqft\_Lot: 24,188.31

Distance from City: -109,135,43

Grade 4: 429,646.63

Grade 5: 410,804.70

Grade 6: 400,781.68

Grade 7: 441,474.33

Grade 8: 499,282.51

Grade 9: 588,835.14

Grade 10: 648,431.59

Grade 11: 707,515.76

## **Appendix II**

