

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

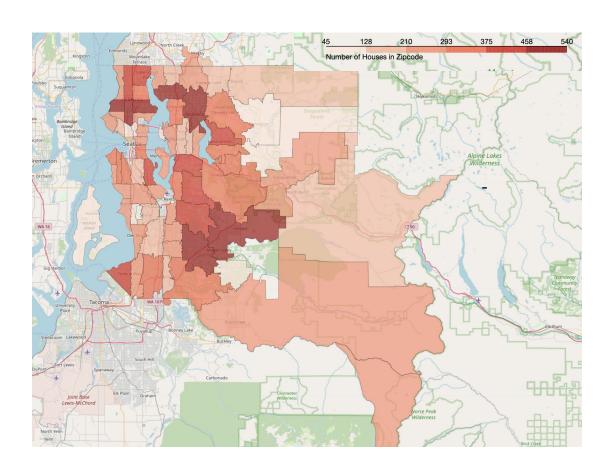
Waterfront

Are waterfront properties more expensive?

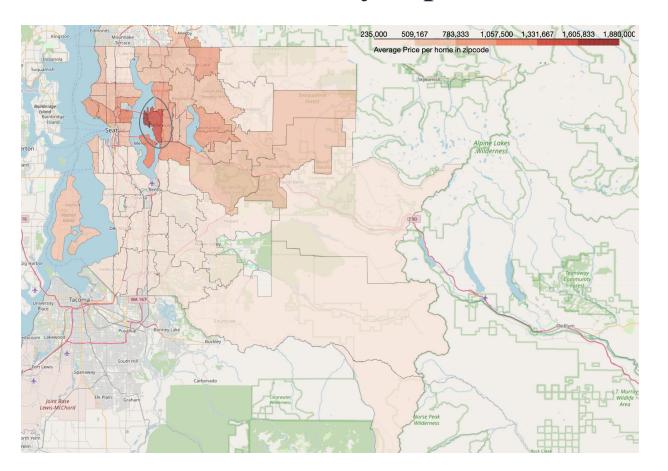
How does their price compare to non waterfront properties?

Breakdown by Zip code

Distribution of houses by Zip Code

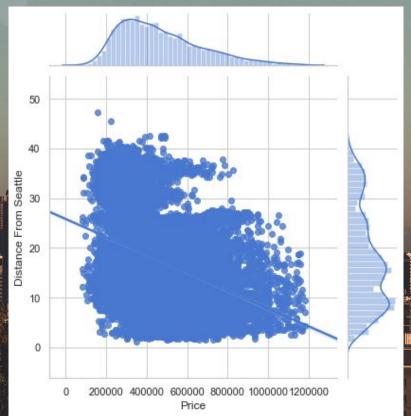


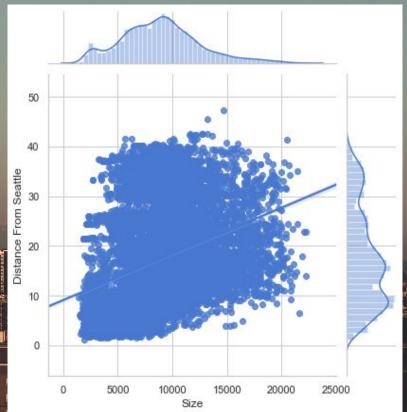
House Prices by Zip Code

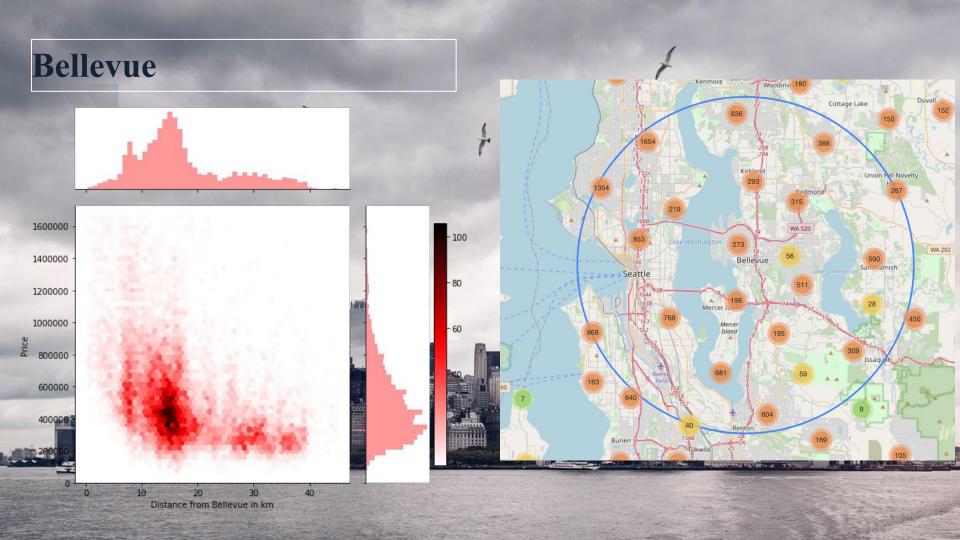


Distance from 2 major Cities

Seattle

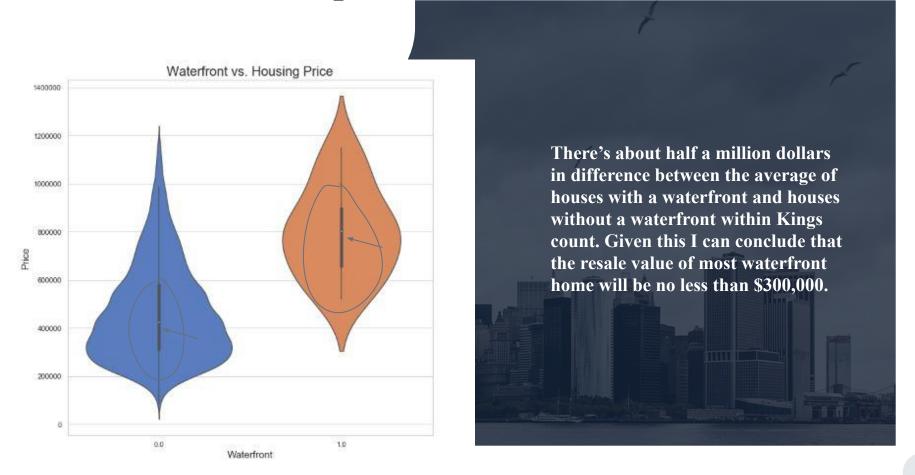






What effect does waterfront have on the price of a home?

House prices vs Waterfront





Housing Price Predictor

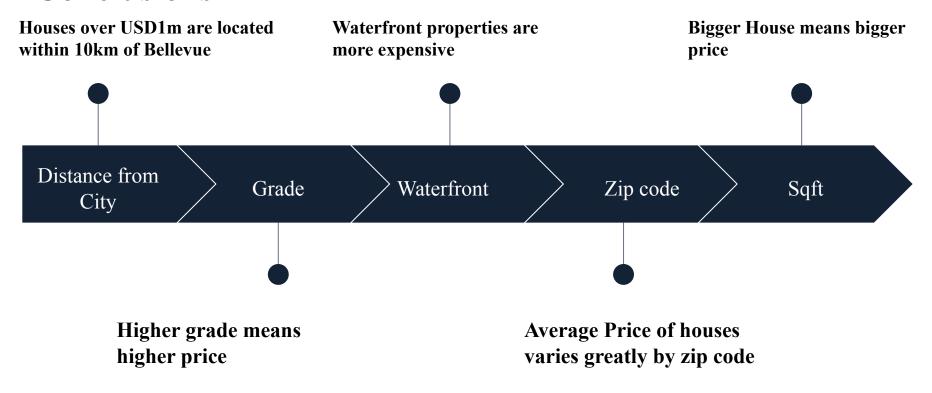
Features of Model:

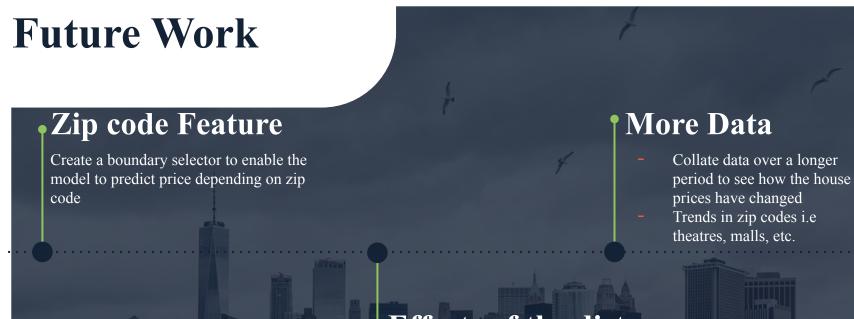
- 1. Bathrooms (-)
- 2. **Bedrooms** (+)
- 3. Sqft Living (+)
- 4. Sqft Lot (+)
- 5. Distance to Nearest City (Bellevue/Seattle) ()
- 6. Grade (+)

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)

See Appendix for more detailed explanation

Conclusions



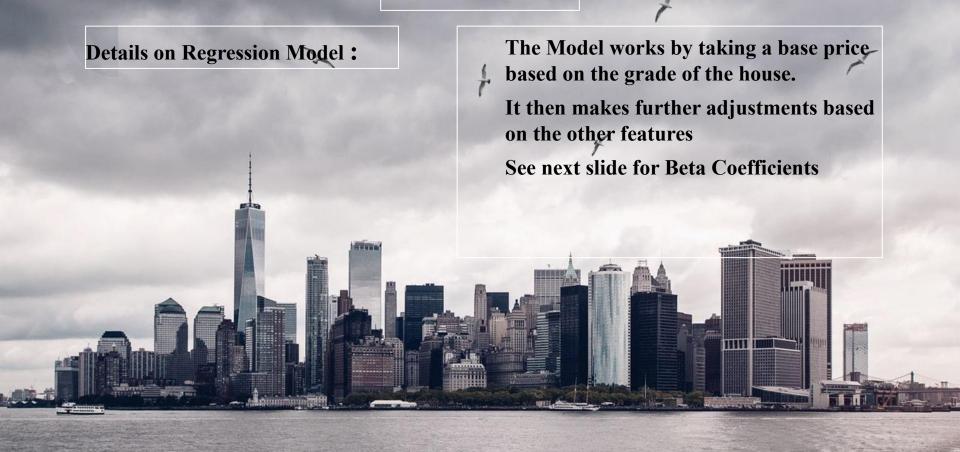


Effects of the distance from the biggest city:

On the presence of a basement. The size of a basement.



Appendix I



Beta Coefficients

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

