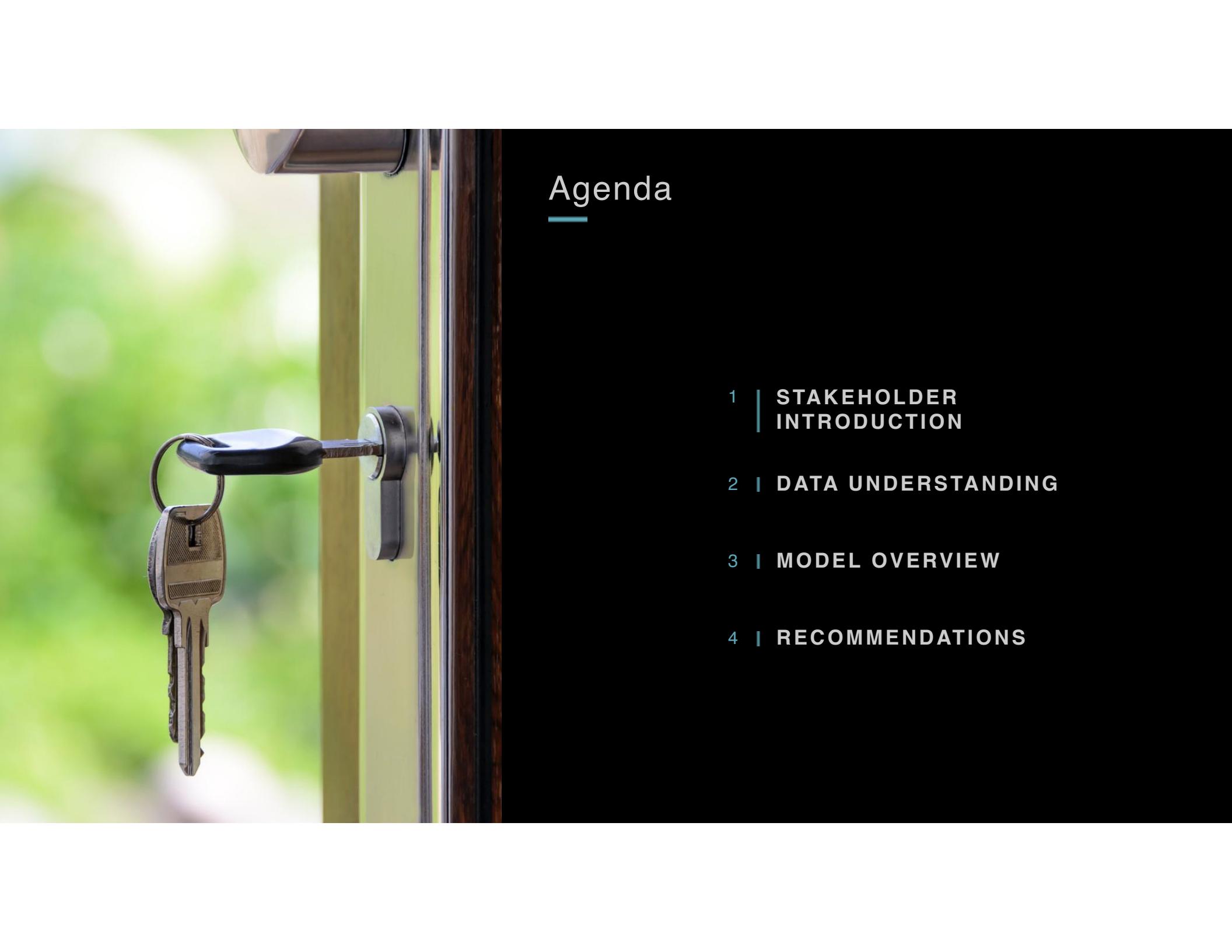




# King County Housing Data Linear Regression Model

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VIKTORIA SZONTAGH



# Agenda

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- 1 | STAKEHOLDER INTRODUCTION
- 2 | DATA UNDERSTANDING
- 3 | MODEL OVERVIEW
- 4 | RECOMMENDATIONS



## WHO THEY ARE

1. Young family of 3
2. With a child below 1 year old

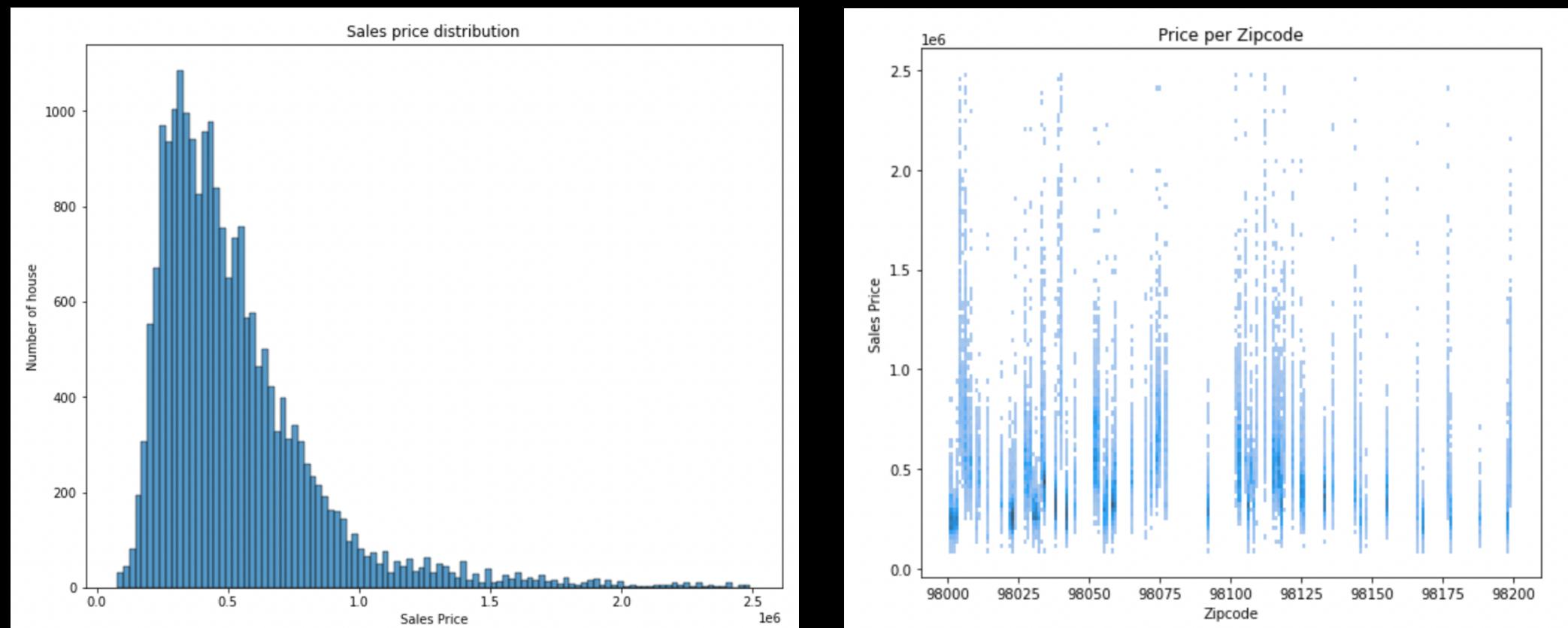
## EXPECTATIONS

1. 2 bedroom starter house
2. In Seattle, with specific neighborhood in mind
3. would prefer a fixer-upper
4. Max budget: 600,000 USD

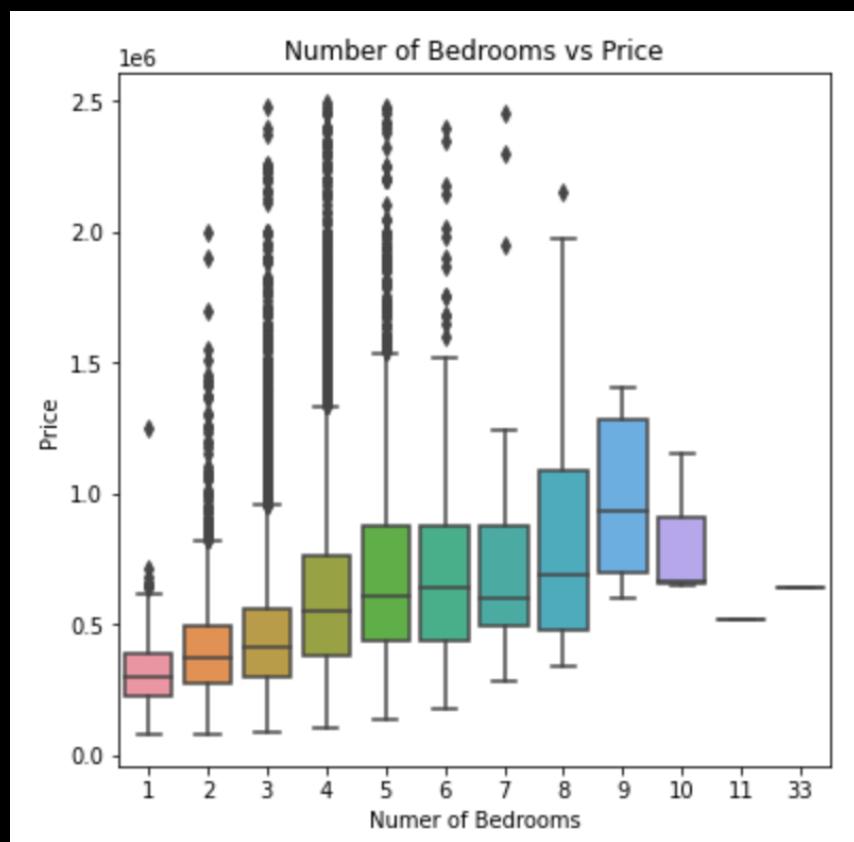
# Kings Country Housing Data - Kaggle

- Price
  - Bedrooms
  - Bathrooms
  - Size of the house
  - size of the lot
  - floors
  - waterfront
  - view
  - condition
  - year built
- Lot of High Values in Price
  - Some houses have more than 10 bedrooms (max 33)
  - Bathrooms more than 5 (max 8)
  - There are some mansions in the dataset with large house square feet and lot size.

# EDA of Kings County Housing Data

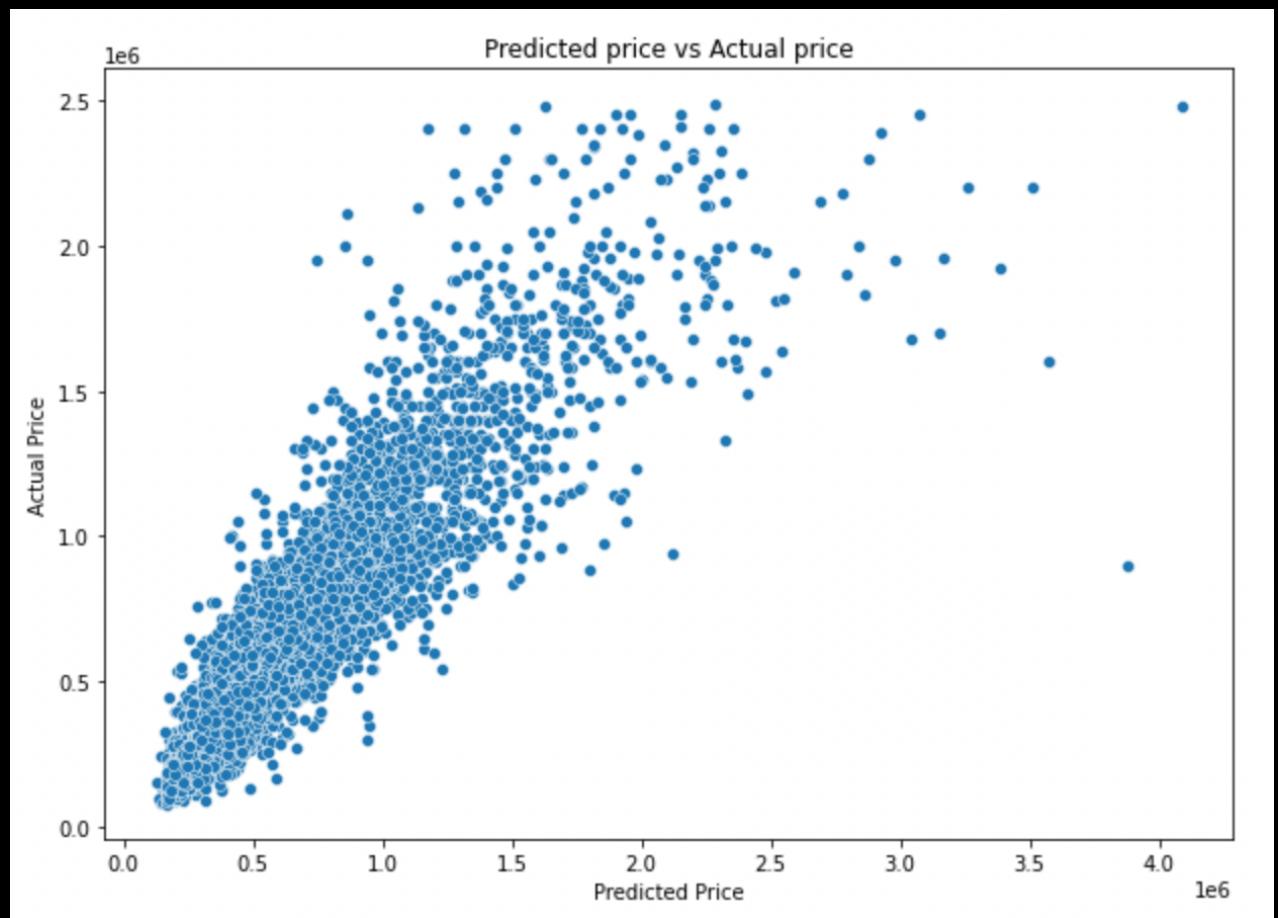


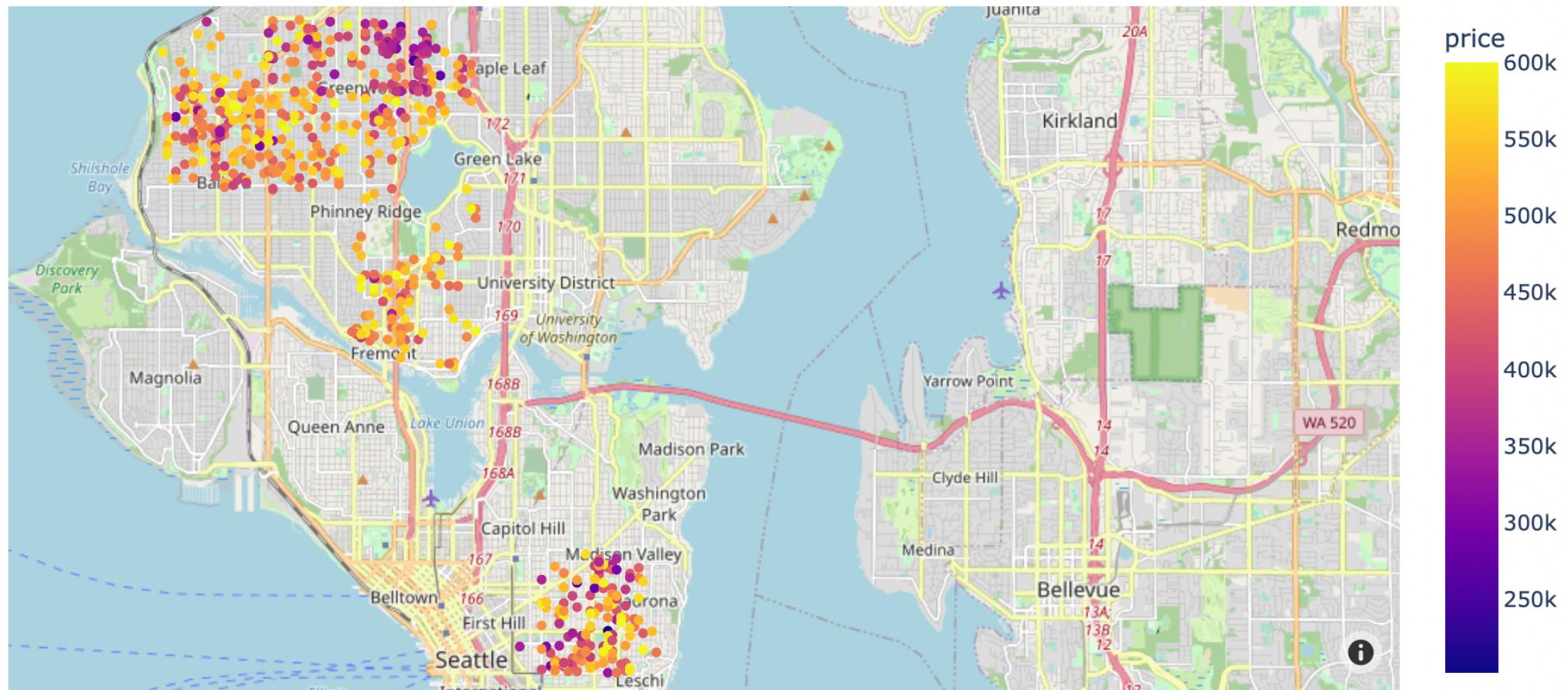
# Outliers in the Data



## 3rd Model

- R2 Train: 86.95%
- R2 Test: 86.68 %
- MAE: 73588 USD
- RSME: 358 USD





## Where

- 98103
- 98115

## When

March - October

Average price

511,560 - 693,432

USD

Minimum price

200,000 - 238,000



# Next Steps

Explore more about the neighborhood:

- How close are parks, schools, restaurants
- What is the crime rate in the area

Thank You