



Gaboo Construction Where a house becomes a home

BY: GABRIEL ARAUJO

What do we do?!



TIRED OF YOUR
HOUSE?



RENOVATE
INTELLIGENTLY?



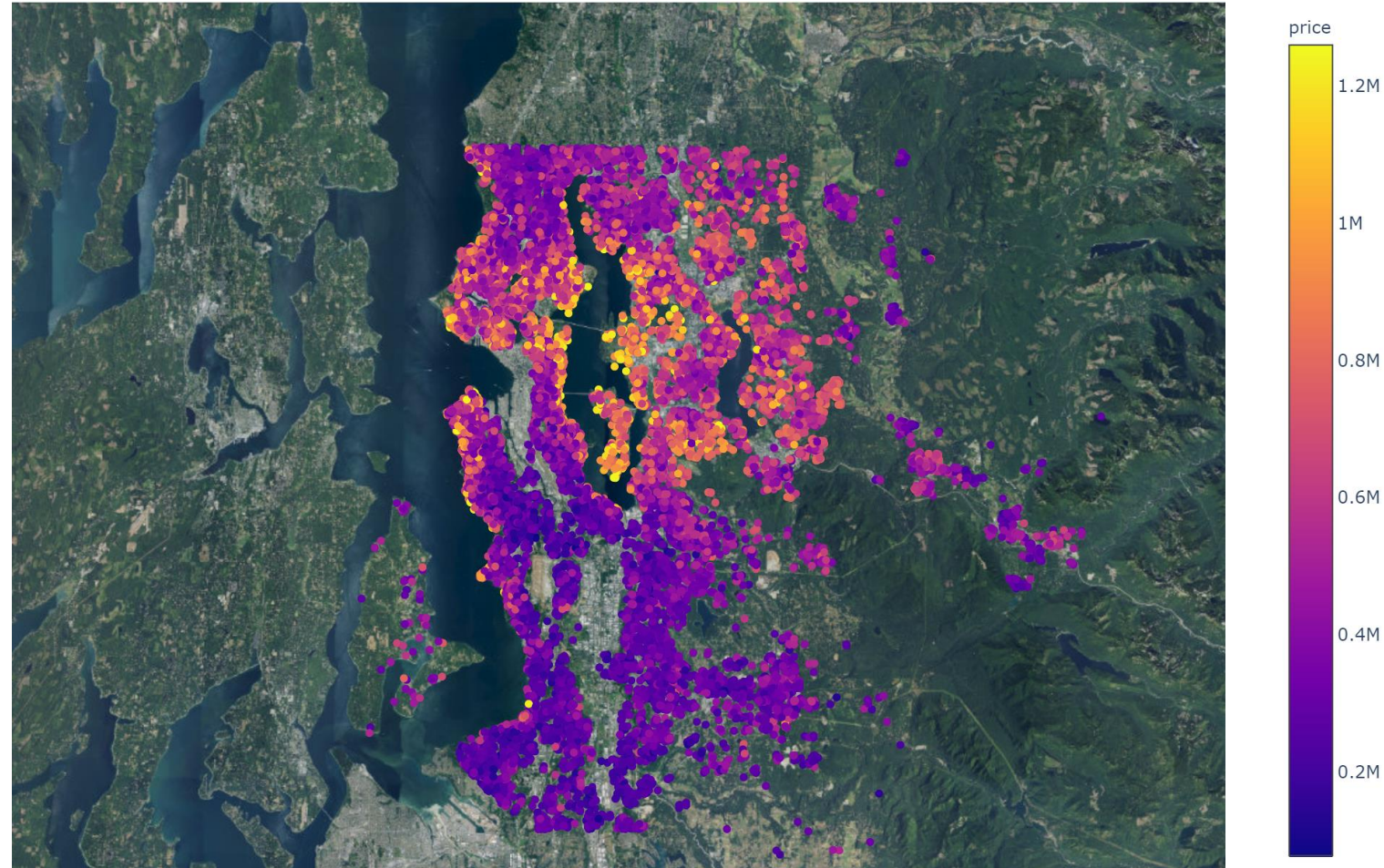
USE IT AS AN
INVESTMENT?

How do we do it?!

Cutting edge machine learning techniques.

Accurately describe the house market in your area.

Analyzed data from over 20,000 house sales in King County.



Analyzed Features



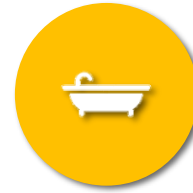
LOT SQUARE FOOTAGE



LIVING SQUARE
FOOTAGE



NUMBER OF FLOORS



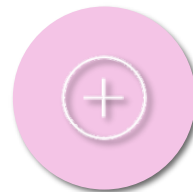
NUMBER OF
BEDROOMS/BATHROOMS



GRADE/CONDITION



LOCATION

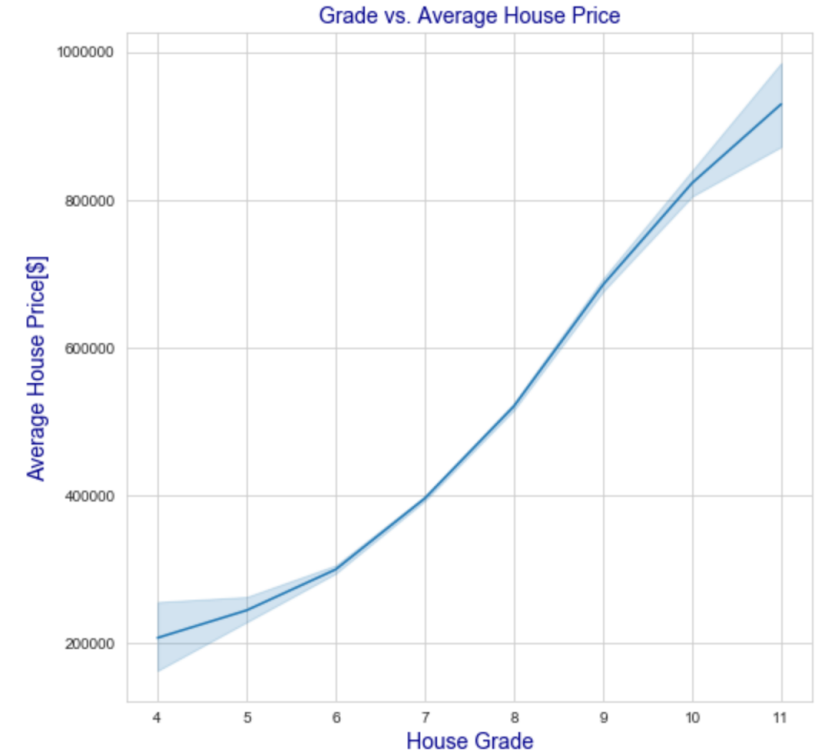
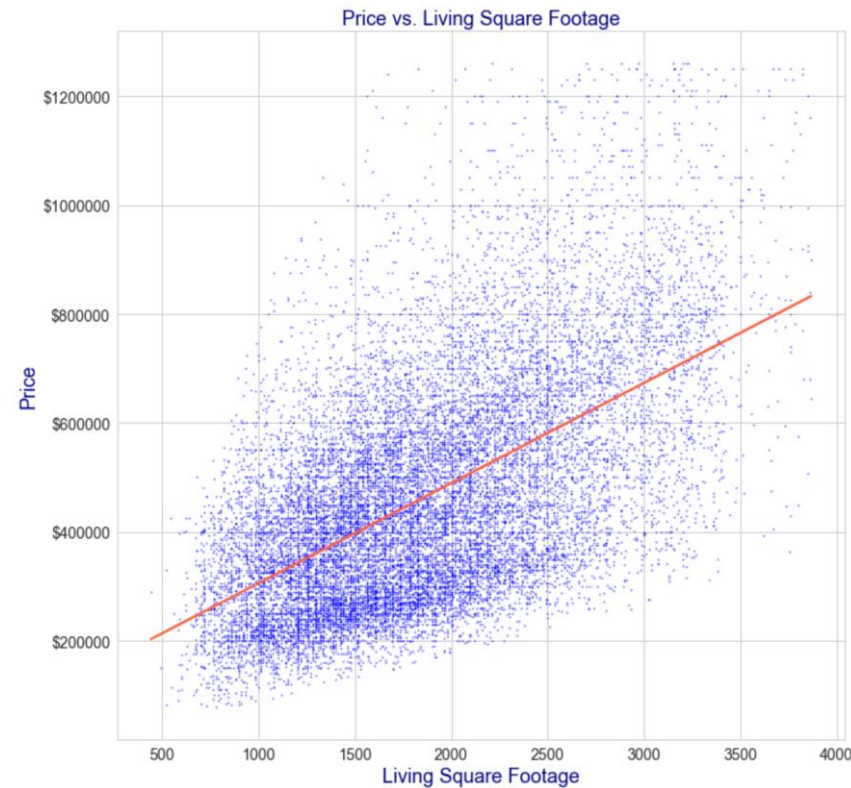


AND MORE!

Results

Model can explain 82% of the variability in price with the help of Zip Codes.

RANKED FEATURES	
Waterfront View	
Living Square footage	
Grade	
House Age	
Condition	
Year Sold	
Lot Square footage	
Renovated	
Bathrooms	
Bedrooms	





Recommendations Part 1

These are some recommendations if a homeowner wants to increase the value of his house:

1. Increase the living square footage of the house.
2. Improve the overall grade of the house.



Recommendations Part 2

The following things are not recommended when the goal is to increase a house's value:

1. Adding a new bedroom or bathroom to a house does not guarantee that the house's value will increase.
2. Renovating a house might not increase its value.

Future Work



IMPROVE MODEL BY
INCLUDING MORE FEATURES.



MORE LOCATION RESEARCH.



Thank you for your
time

Any questions?
