# Real Estate Analysis

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# The Business Problem



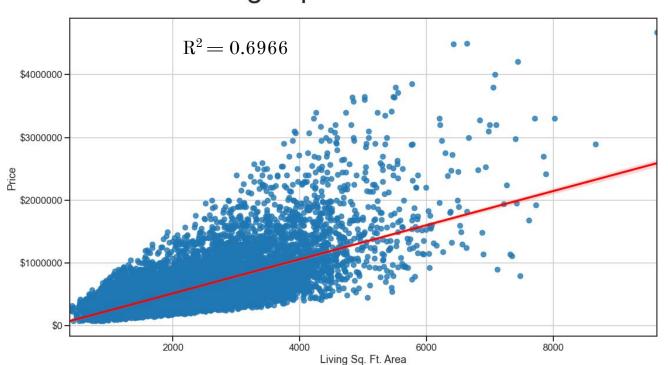
### The Model

• Linear regression (a statistical technique) will predict a home's price given certain features.

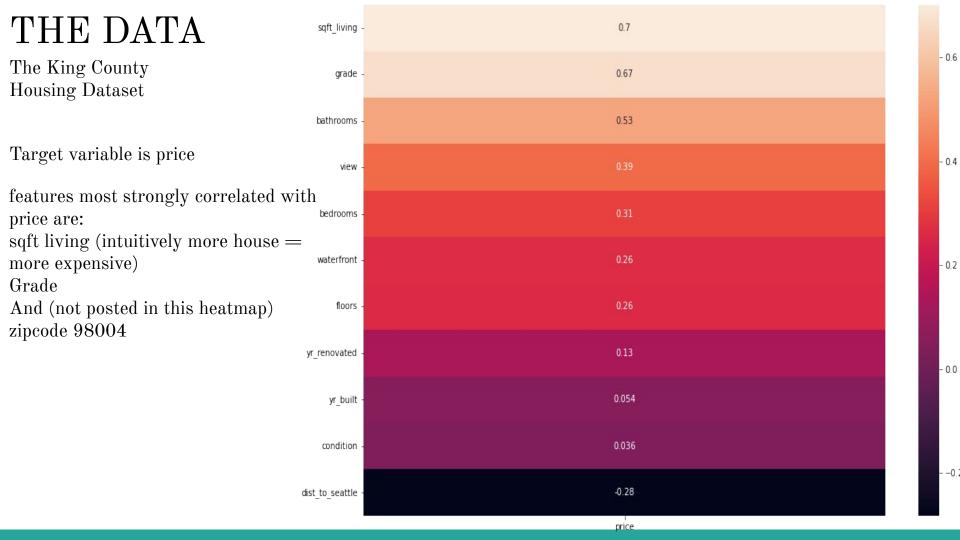
• This model requires a lot of data to make accurate predictions.

# Base Model Graph

## Living Sq Ft Area vs Price

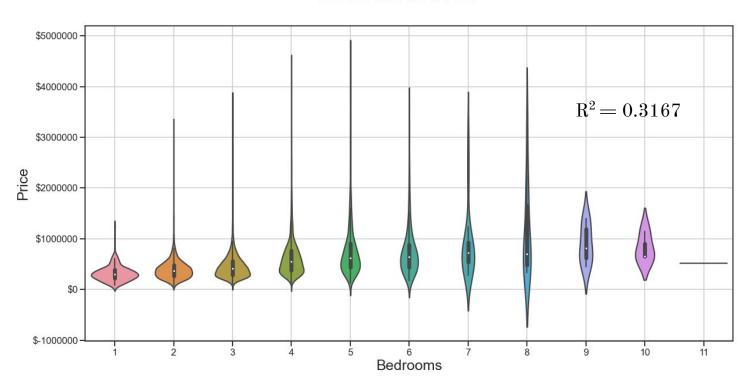


This here means that a houses usable sq ft can account for 69% of the variance of the price



#### Feature based on bedrooms

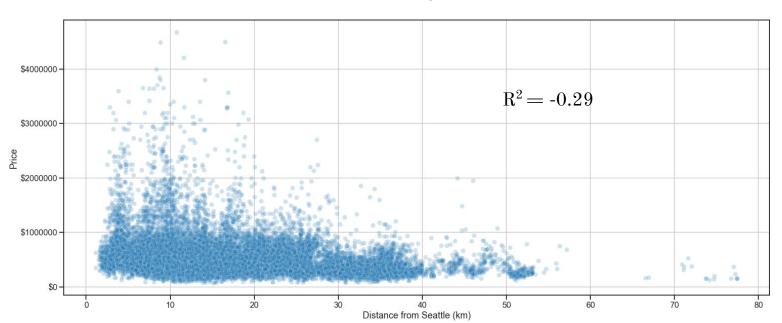
#### Bedroom vs Price



As the amount of rooms in a house increases, normally, so does the price.

# Feature(we engineered) Based on Distance

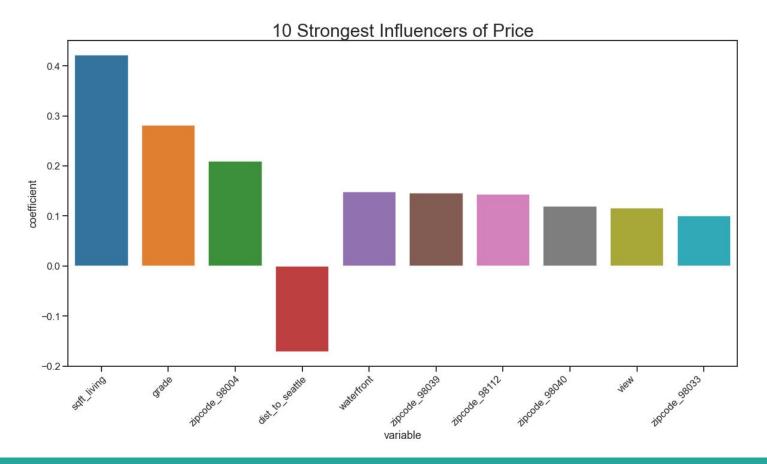
#### Seattle Proximity vs Price

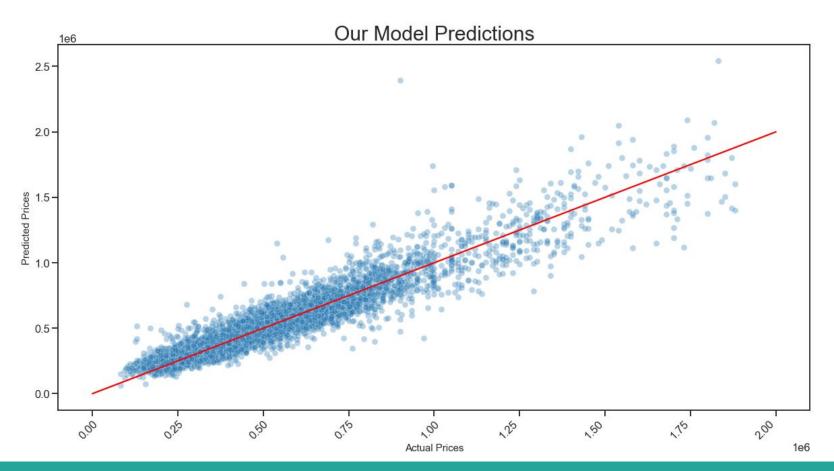


Proximity to Seattle actually increases price. When we combine these features (and other useful ones) into one model?



### What things influence price?





#### Prediction of Zillow listing: \$655,458.23







\$625,000 2 bd 1 ba 1,400 sqft

Price cut: \$164K (9/6)

80 S Jackson Street UNIT 408, Seattle, WA 98104

Active Zestimate<sup>®</sup>: \$610,835

Est. payment: \$5,466/mo S Get pre-qualified

Request a tour as early as today at 3:00 pm

Contact agent

Overview Facts and features Home value Price and tax hist

- Condominium
- Built in 1900
- Ductless hp-mini split, baseboard
- Baseboard, ductless hp-mini split

### Information

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