

Seattle Housing Crisis

Seattle is one of the US's most expensive markets.

Mean prices in 2014 were \$540K with some homes over \$7M

Thats compared to an average US home price of \$180K to \$225K





1. Our Model

We took a dataset of housing prices correlated with multiple features to rank which predictors work best

Prices are HIGH

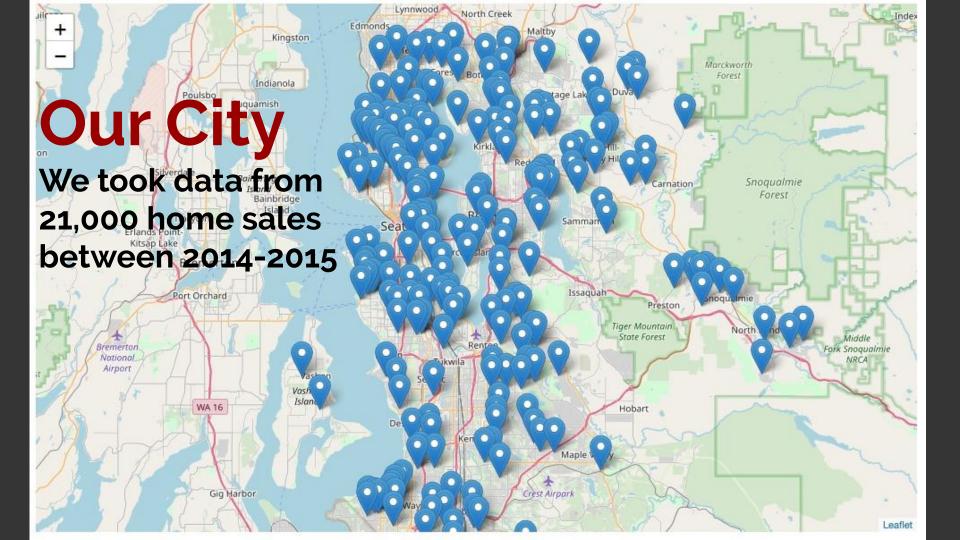
but they are highest in where the views are the best and the condition is not that bad

→ Best Predictor

Living Space. Its hard to get.

→ Surprises

Waterside houses made homeprices pop.



The Data

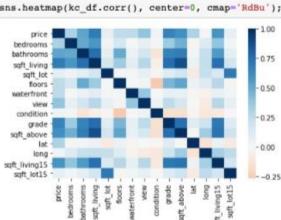
Split it



	price	bedrooms	bathrooms	sqft_living	sqft_lot	floors	waterfront	view	condition	grade	sqft_above	lat	long	sqft_living15	sqft_lot15
price	True	False	False	True	False	False	False	False	False	False	False	False	False	False	False
bedrooms	False	True	False	False	False	False	False	False	False	False	False	False	False	False	False
bathrooms	Faise	Faise	True	True	Faise	False	False	Faise	False	False	False	False	Faise	False	False
sqft_living	True	False	True	True	False	False	False	False	False	True	True	False	False	True	False
sqft_lot	False	False	False	False	True	False	False	False	False	False	False	False	False	False	True
floors	False	False	False	False	False	True	False	False	False	False	False	False	False	False	False
waterfront	False	False	False	False	False	False	True	False	False	False	False	False	False	False	False
view	False	False	False	False	False	False	False	True	False	False	False	False	False	False	False
condition	False	False	False	False	False	False	False	False	True	False	False	False	False	False	False
grade	False	False	False	True	False	False	False	False	False	True	True	False	False	True	False
sqft_above	Faise	False	False	True	Faise	False	False	False	False	True	True	False	Faise	True	False
lat	False	False	False	False	False	False	False	False	False	False	False	True	False	False	False
long	False	False	False	False	False	False	False	False	False	False	False	False	True	False	False
qft_living15	False	False	False	True	False	False	False	False	False	True	True	False	False	True	False
sqft_lot15	False	False	False	False	True	False	False	False	False	False	False	False	False	False	True



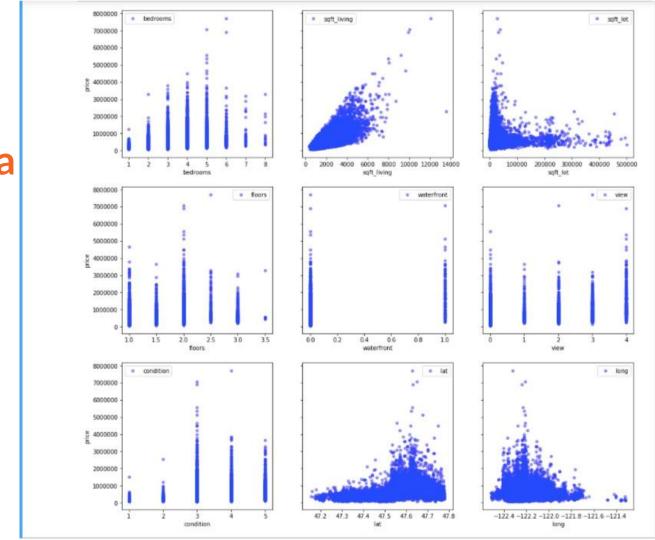
In [16]: Out[16]:



Ran correlation between all 15 variables

Where the data leads

Some values were highly correlated. Some were extraneous.



Top Correlators

- 1. Living space
- 2. North Side of Seattle
- 3. The View





Extraneous

Number of Bathrooms

Grade

How big your neighbors house is

