House Prices in King County - Recommendations

A guide by Christine Merkel

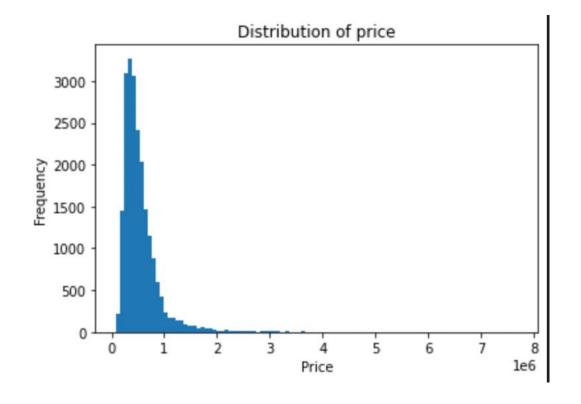
Stakeholder: Erin Robinson

Wants:

- to invest in poor neighborhood
- buying and selling: costs back and little profit
- socially responsible

Data:

Houses sold in King County, Washington in May 2014 - May 2015 21597 observations



Average price: 540.296\$

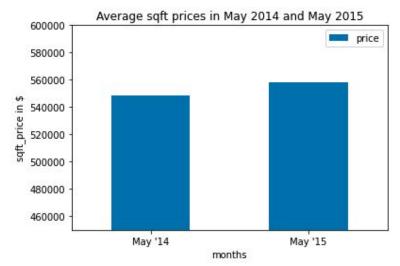
Min: 78.000\$

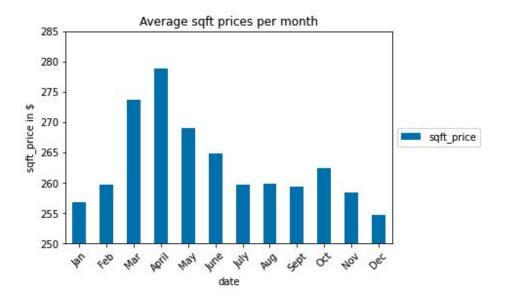
Max: 7700.000\$

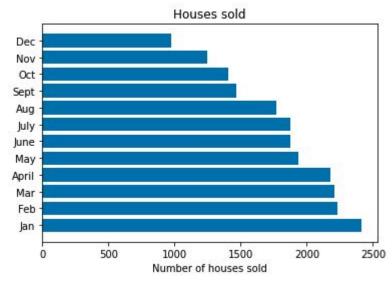
Both were sold in Seattle

Hypothesis 1: Season might influence the price. Summer could be best time to buy.



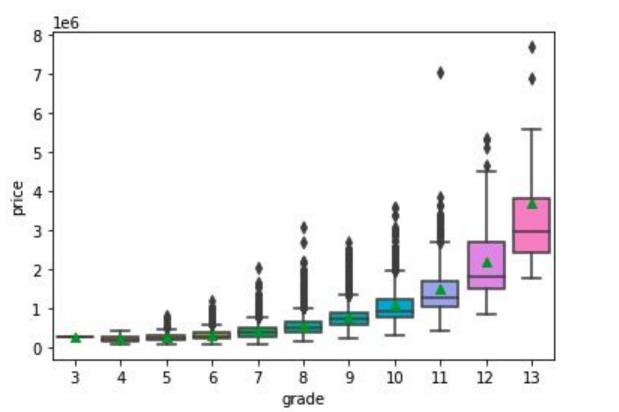


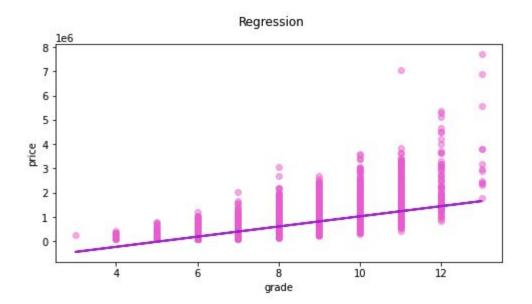




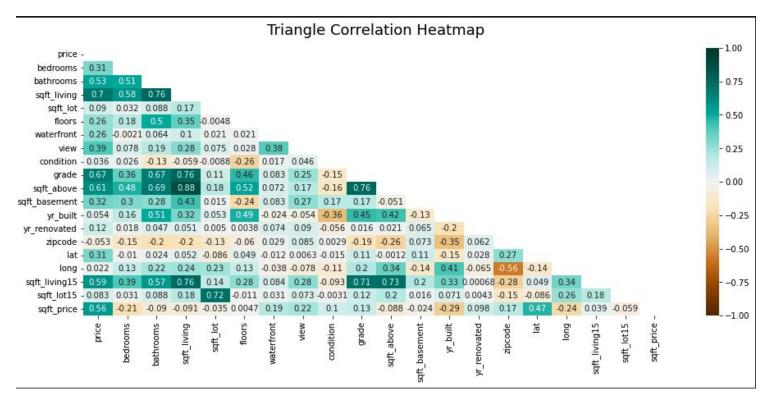
High grade houses are sold at higher price

Hypothesis 2:





OLS Model: R-squared = 0.45 Prob(F-st.) =0



Strongest Correlation: -bathrooms, -Sqft_price, -sqft_living15, -sqft_above, -Sqft_living, -grade

OLS Model:

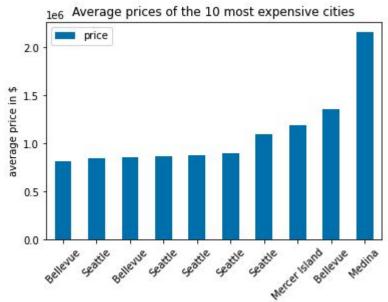
R-squared = 0.882

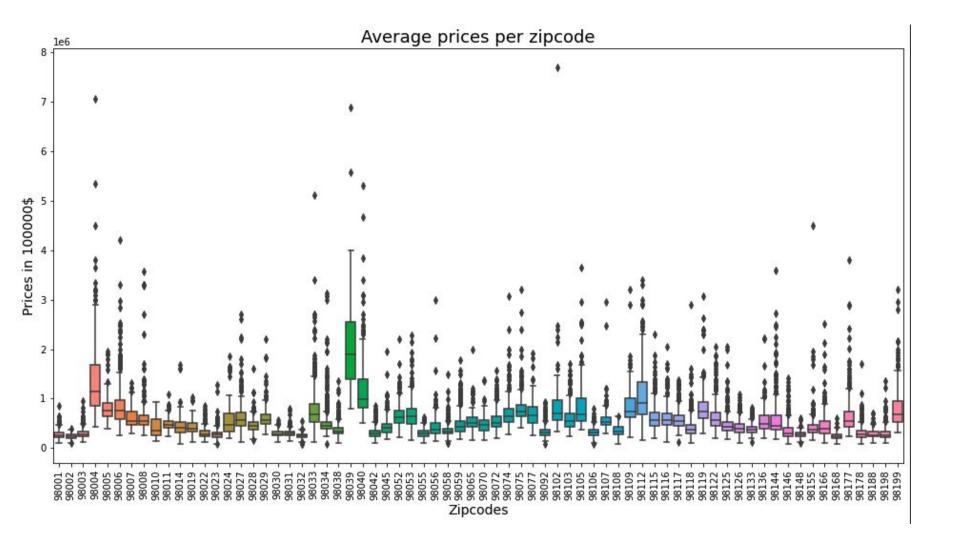
Hypothesis 3:

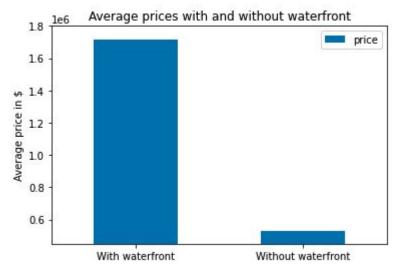
i.e. zipcode

Prices rely on area,









Recommendations for Erin Robinson:

- Buy lower graded houses, with fewer bathrooms, lower sqft prices
- December seems the best month to buy
- Look here: Auburn, Seattle and Kent
- Avoid: Medina, Shoreline (No waterfront)