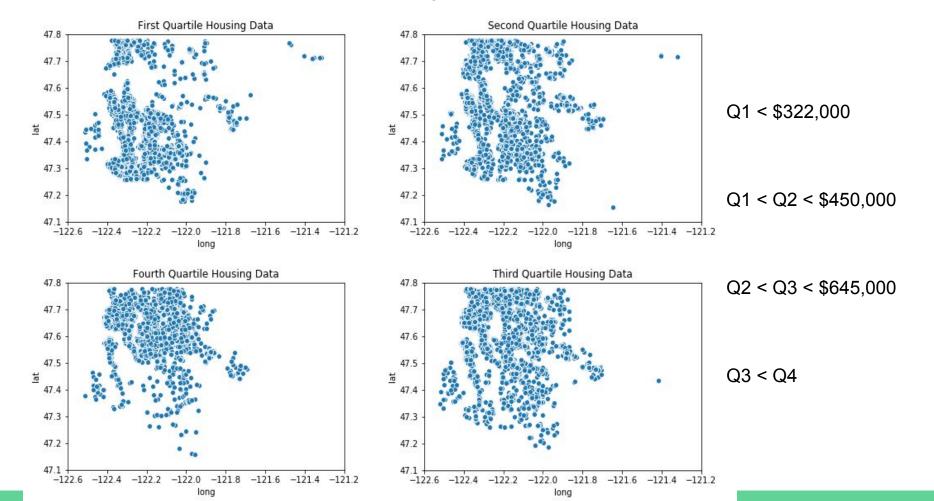
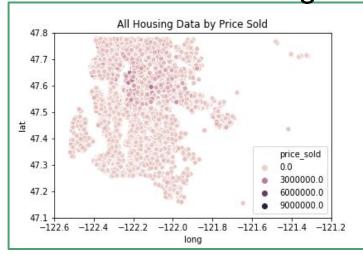
# Mod 1 Project

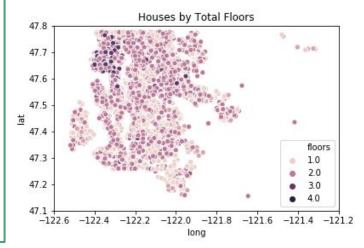
By Joe and Greg

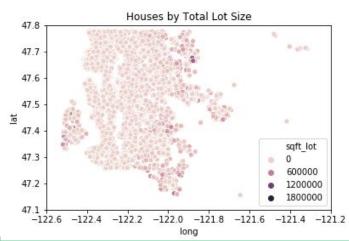
#### Does location affect the house price?

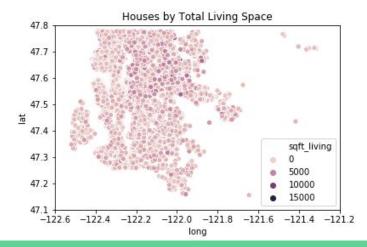


### How else can we categorise the neighbourhoods?

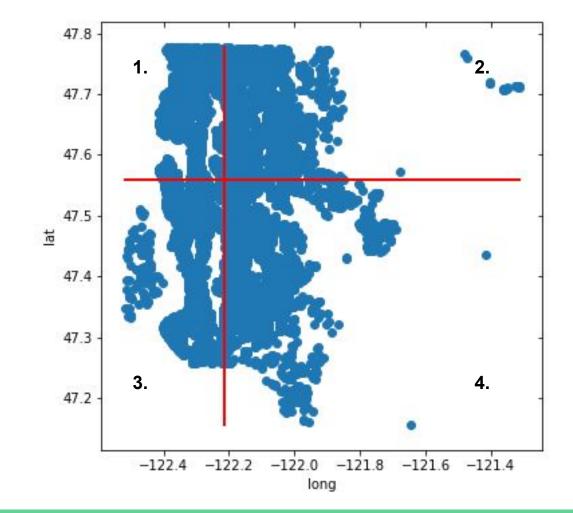








Roughly split into regions with same number of properties.



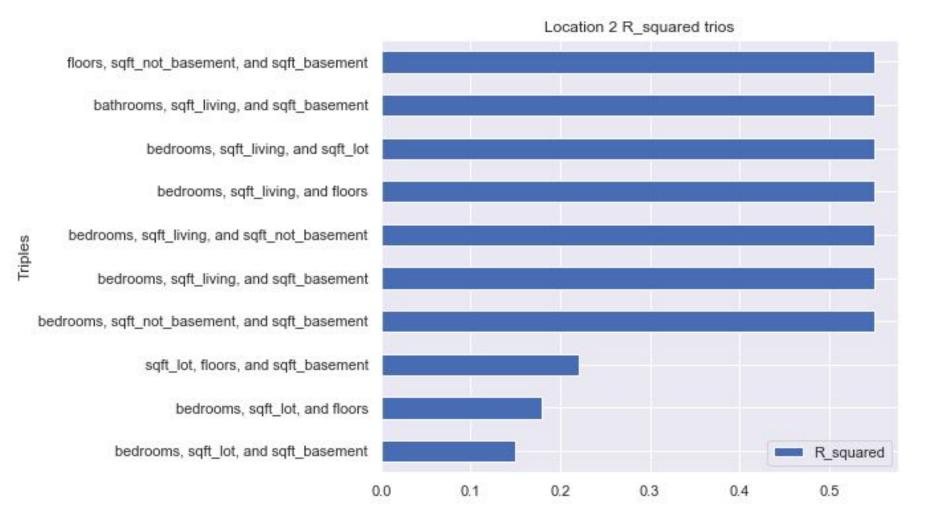
#### What are the best three variables to choose?

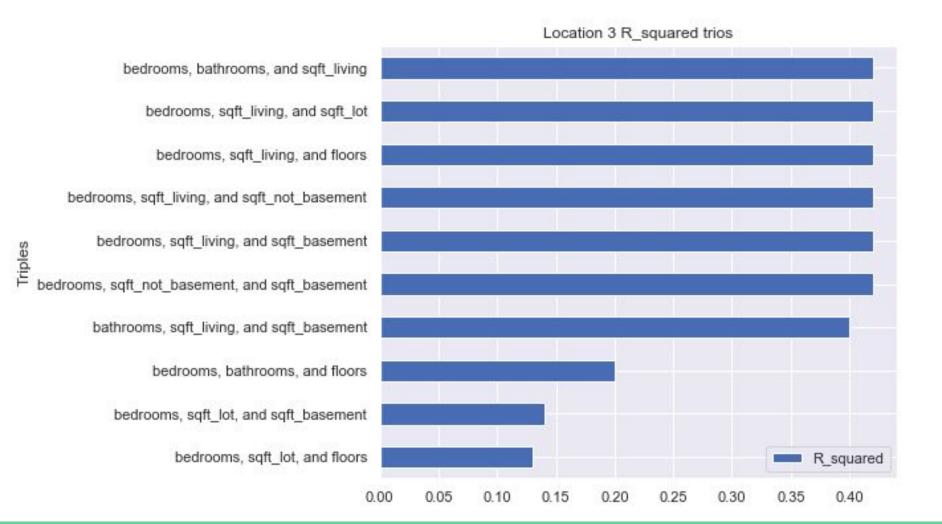
We use the R squared value to determine which model is 'best'

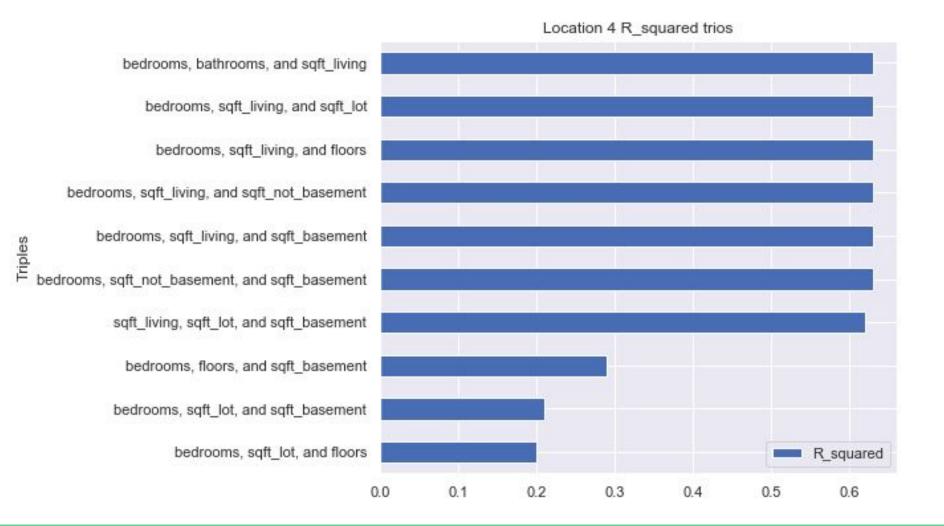
R squared is a measure of how good a models predictions are



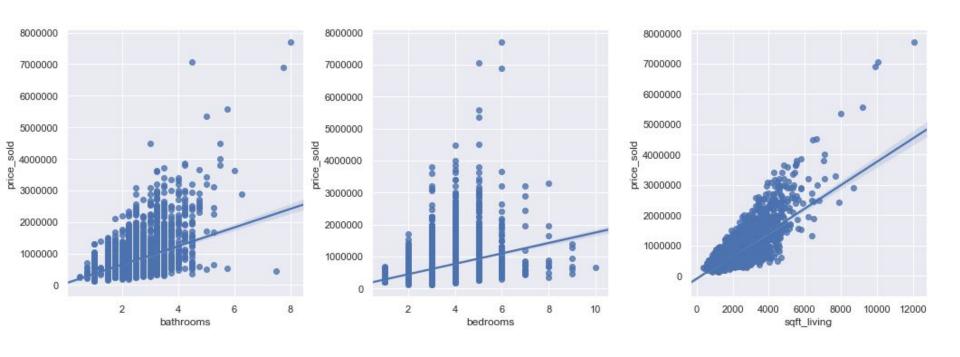








# Seaborn linear regression for individual variables



## Linear regression for our 'best' variable trio

R2 = 0.64

const 70400

bedrooms -86400

bathrooms -1370

sqft\_living 445

Not good!

We forgot to test for correlation between the variables

#### What can we conclude?

- Clear split in property prices with location.
- Bigger lot size or more floors does NOT result in greater property value.
- Key factor is living space => Focus on this predictor.
- The accuracy of each predictor varies with location.
- Strongly correlated variables ruin our model meaning it is not an accurate predictor of price.

Any

Thanks for listening!

questions?