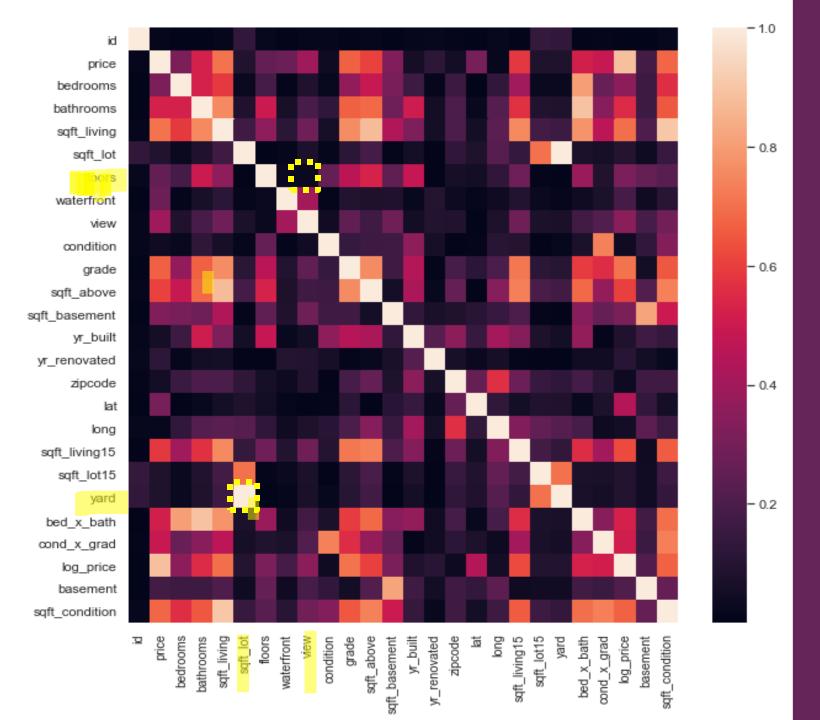


### Data Analysis Process:

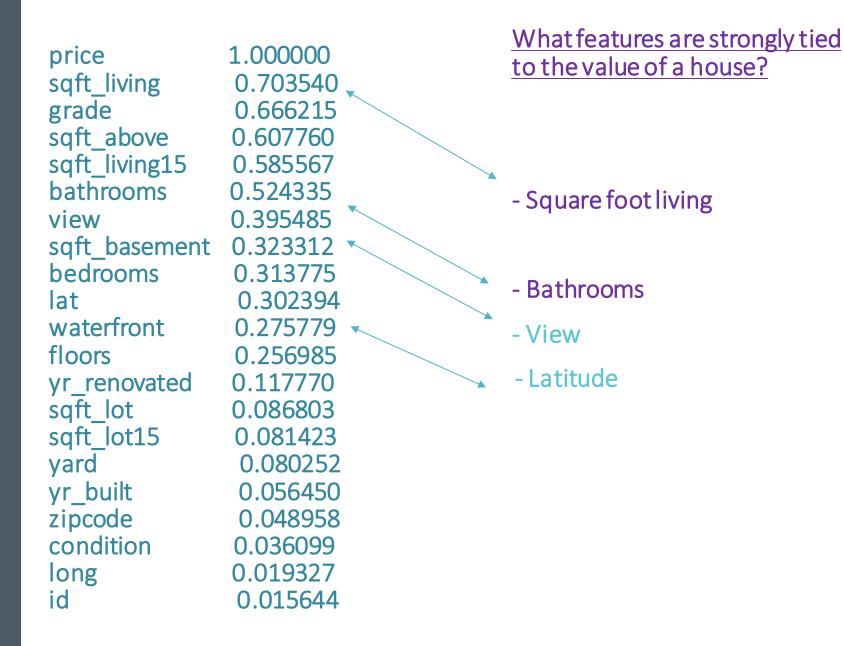


How do features interact with each other?

-Closer to 1: High correlation

-Closer to 0: Low correlation

# What impact do these features have on price?



#### 1e6 7 6 5 price 4 3 2 0 bathrooms

#### Bathrooms

High correlationwith price whenmodeled on its own.

Scatterplot did not reflect this.

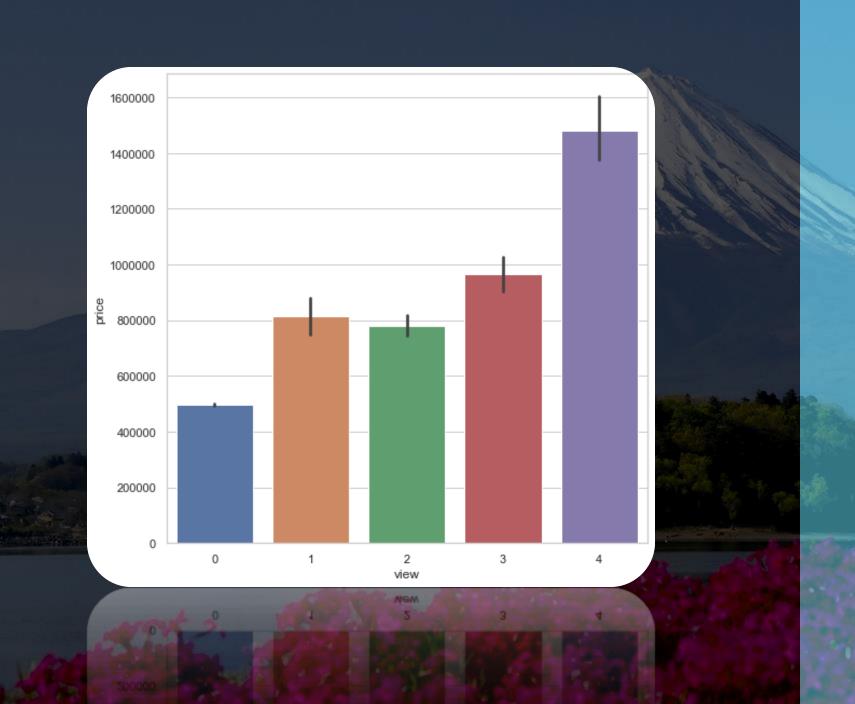
Did not do well in the model as we hoped.



#### Basements

- 40% of our houses in the data set have basements.

-Does having a basement have any statistical impact on the price of a house?

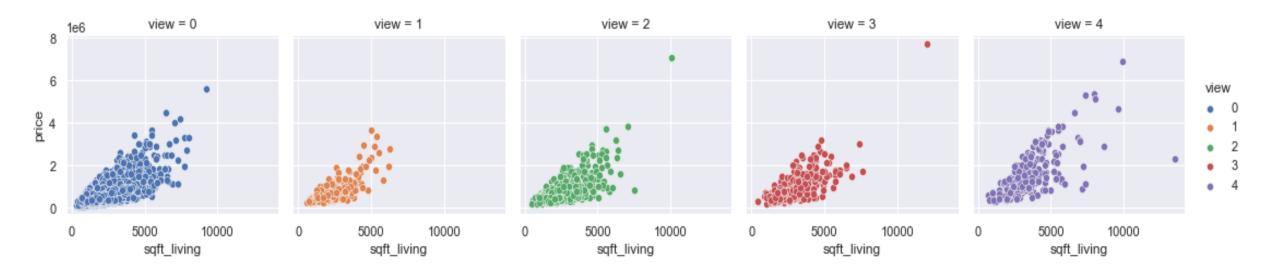


#### View

-What is the relationship to Price?

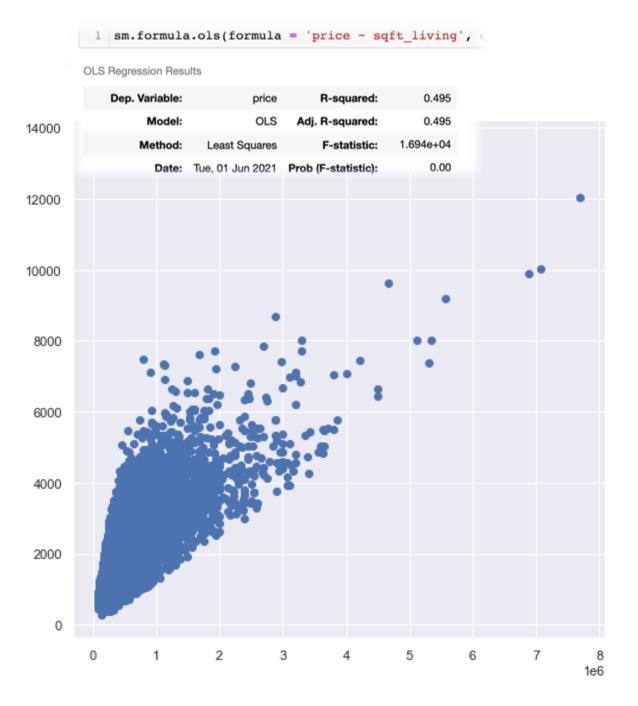
-We can see that better views bring higher home values by a marginal difference

# Examining View with respect to Square Feet:



## Square Foot Living

Created a visualization to better understand the relationship between Square Foot Living & Price



#### **Geomapping Housing Prices** 47.8 price 1.5 3.0 4.5 47.7 47.6 47.5 47.4 47.3 47.2 -122.4-122.2-122.0-121.8long

#### Location:

- Latitude & Longitude coordinates indicated there is a relationship to home value

-Distinction around 47.5 degrees latitude

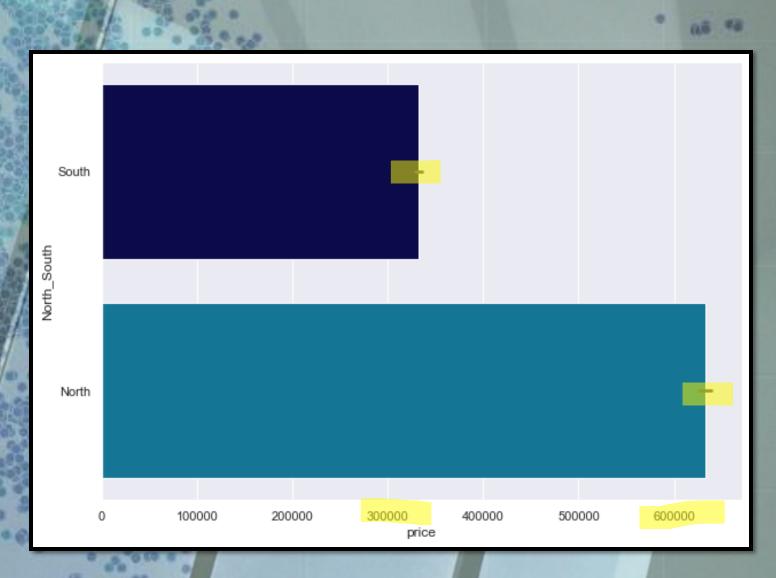
**Geomapping Housing Prices** 

Latitude: Dividing by Region

South< 47.5 Latitude

North > 47.5 Latitude

Nearly 2x the impact on housing prices



```
modifier_ob.
mirror object to mirror
mirror_object
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irror_mod.use_x = True
mirror_mod.use_y = False
operation == "MIRROR_Y"
lrror_mod.use_x = False
lrror_mod.use_z = False
 _operation == "MIRROR_Z"
  rror_mod.use_x = False
  rror_mod.use_y = False
  rror_mod.use_z = True
 melection at the end -add
  ob.select= 1
  er ob.select=1
   ntext.scene.objects.action
  "Selected" + str(modifier
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  bpy.context.selected_obje
  lata.objects[one.name].sel
 mint("please select exaction
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   ypes.Operator):
  X mirror to the selected
   ject.mirror_mirror_x"
  Fror X"
 ext.active_object is not
```

