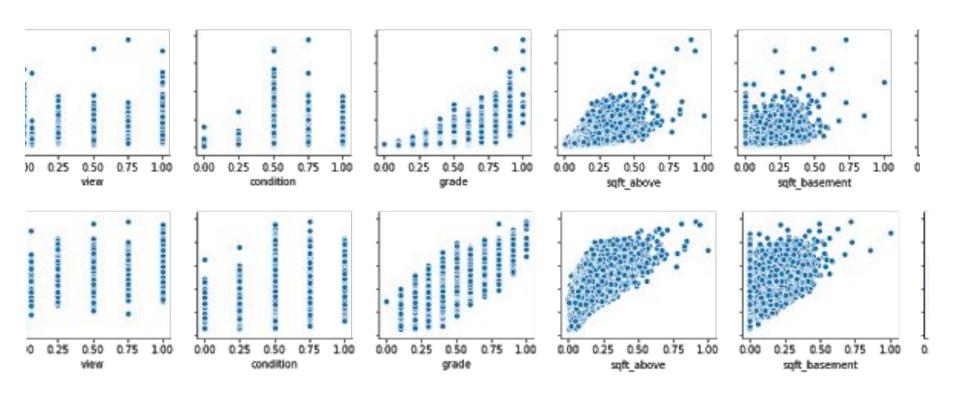
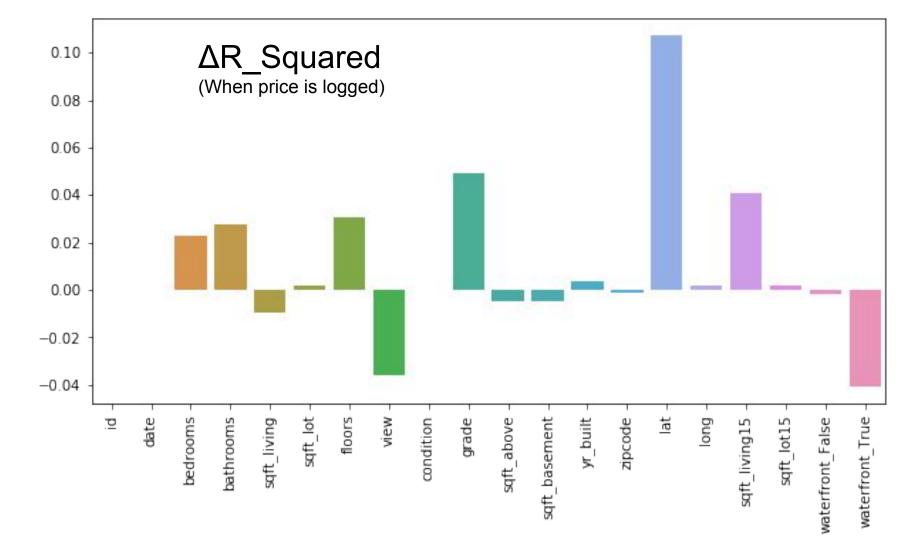
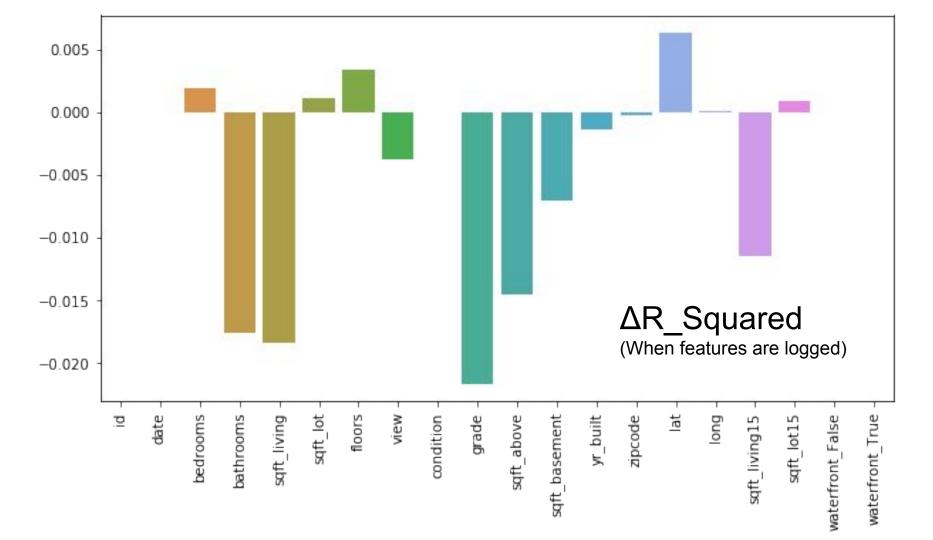
## Predicting Housing Prices

Using the Kings Count House Sales dataset

## Price Logged







## "Feature Engineering"

- Base^Feature
  - Price Logged/Not Logged
- Feature^Base
  - Price Logged/Not Logged
- For all features
- For all integer base between 0 and 100

'feature\*\*base')

		coef	std err	t	P> t	[0.025	0.975]			
Work for nothing				const	11.3711	0.016	730.526	0.000	11.341	11.402
	date	0.0760	0.006	12.813	0.000	0.064	0.088			
OLS Regression Resu	bedrooms	-0.4209	0.076	-5.531	0.000	-0.570	-0.272			
Dep. Variable:	р	rice <b>R-squar</b>	ed: 0.771	bathrooms	0.5710	0.030	19.013	0.000	0.512	0.630
Model:	(	OLS Adj. R-squar	ed: 0.771	sqft_living	1.8571	0.055	33.617	0.000	1.749	1.965
Method:	Least Squa	ares <b>F-statis</b>	tic: 4548.	sqft_lot	0.7475	0.099	7.552	0.000	0.553	0.941
Date:	Wed, 08 May 2			floors	0.1805	0.010	17.889	0.000	0.161	0.200
Time:	11:59	<b>-</b>		view	0.2544	0.010	24.255	0.000	0.234	0.275
No. Observations:			IC: 1758.	condition	0.2468	0.012	21.302	0.000	0.224	0.270
Df Residuals: Df Model:	21	580 <b>B</b>	IC: 1894.	grade	1.6008	0.027	59.822	0.000	1.548	1.653
Covariance Type:	nonrob	oust		yr_built	-0.4205	0.010	-42.393	0.000	-0.440	-0.401
				zipcode	-0.1292	0.008	-15.806	0.000	-0.145	-0.113
				lat	0.8719	0.008	105.087	0.000	0.856	0.888
Omnibus:	373.821	Durbin-Watson:	1.986	long	-0.1951	0.020	-9.999	0.000	-0.233	-0.157
Prob(Omnibus):	0.000 <b>J</b> a	arque-Bera (JB):	756.828	sqft_living15	0.5509	0.025	22.205	0.000	0.502	0.600
Skew:	-0.037	Prob(JB):	4.54e-165	sqft_lot15	-0.2293	0.080	-2.870	0.004	-0.386	-0.073
Kurtosis:	3.914	Cond. No.	119.	waterfront_True	0.3820	0.023	16.848	0.000	0.338	0.426