

King County House Prices

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Stakeholder

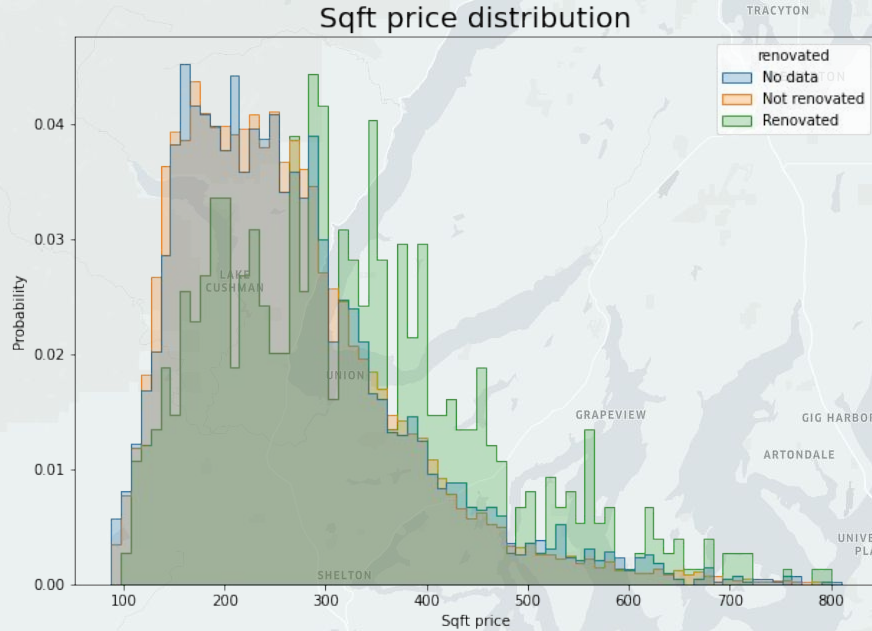
1. Renovated houses are more expensive than not renovated ones.
2. One extra bedroom increases the price more than one extra bathroom.
3. The biggest lots are situated far from the city center.

Hypothesis

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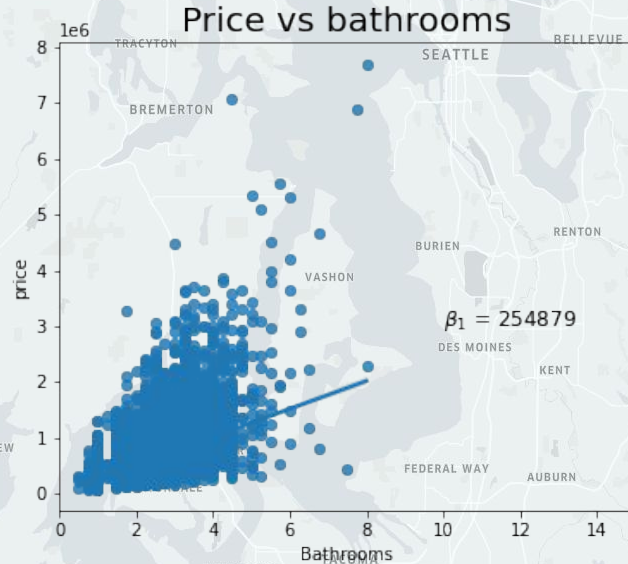
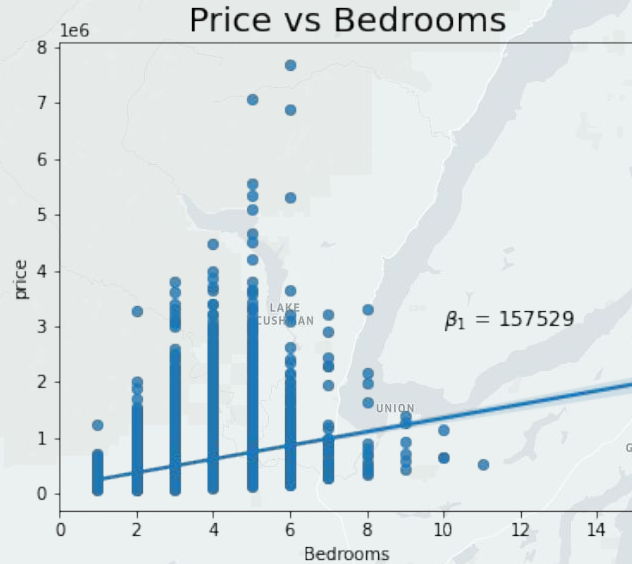
1st Hypothesis

Renovated houses are more expensive than not renovated ones.



2nd Hypothesis

One extra bedroom increases the price more than one extra bathroom.



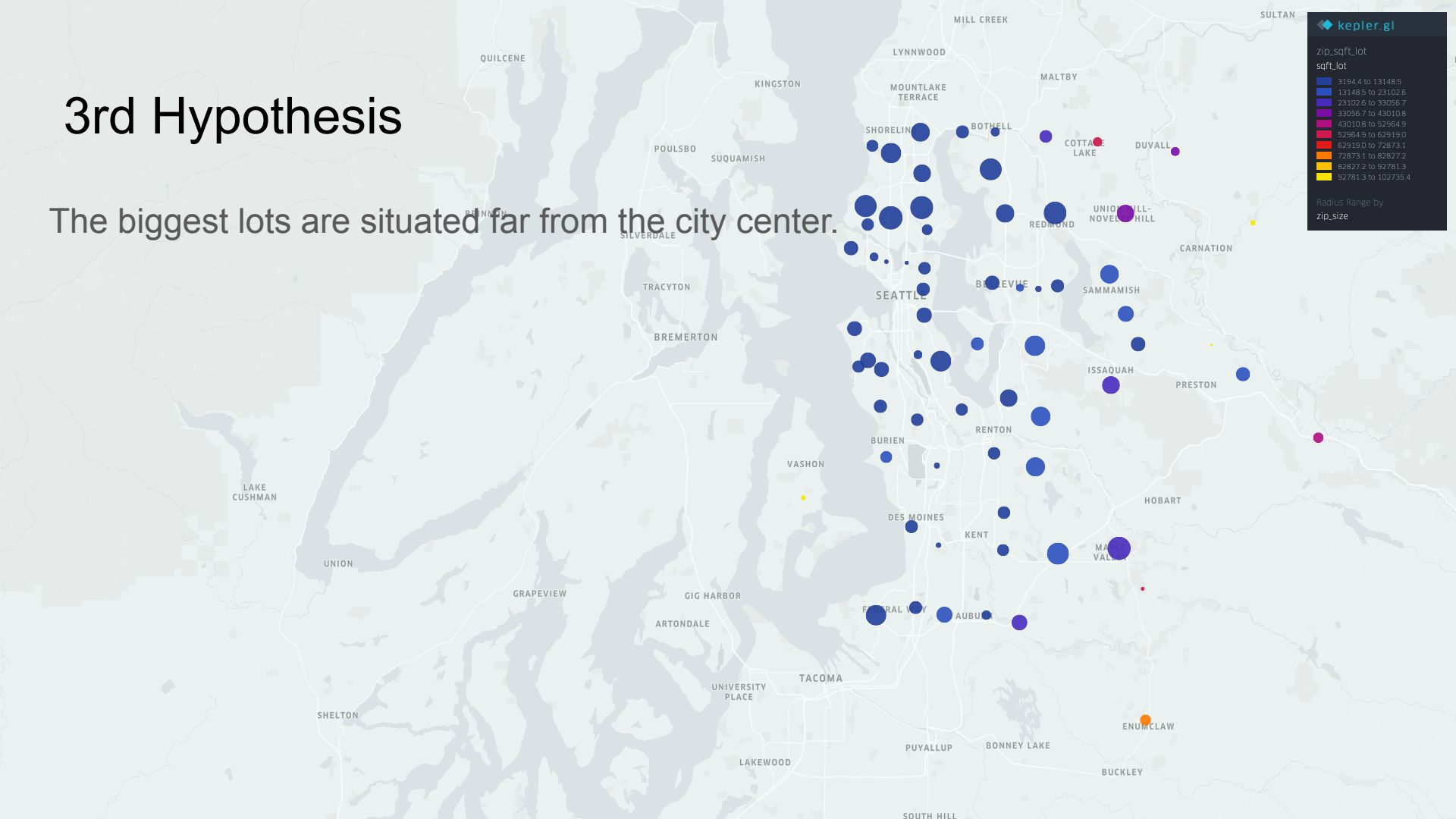
Multiple Linear Regression
Coefficients:

bedrooms : -33274.09

bathrooms : 24203.48

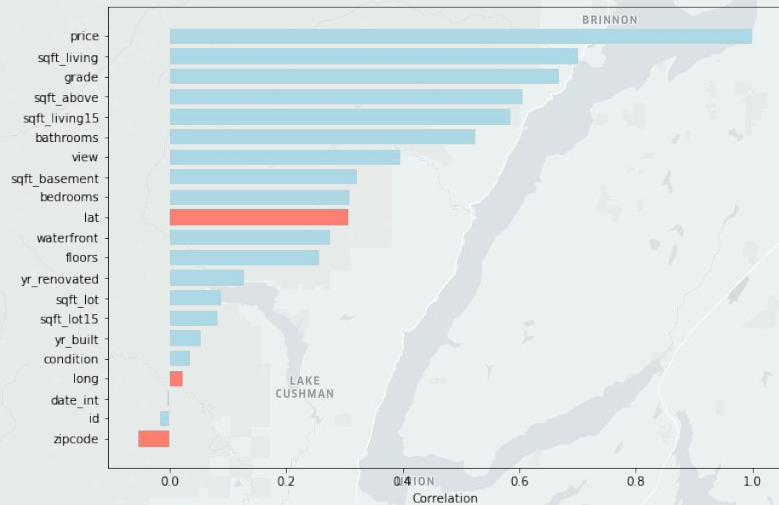
3rd Hypothesis

The biggest lots are situated far from the city center.



Variables selection

Price correlation



kepler.gl

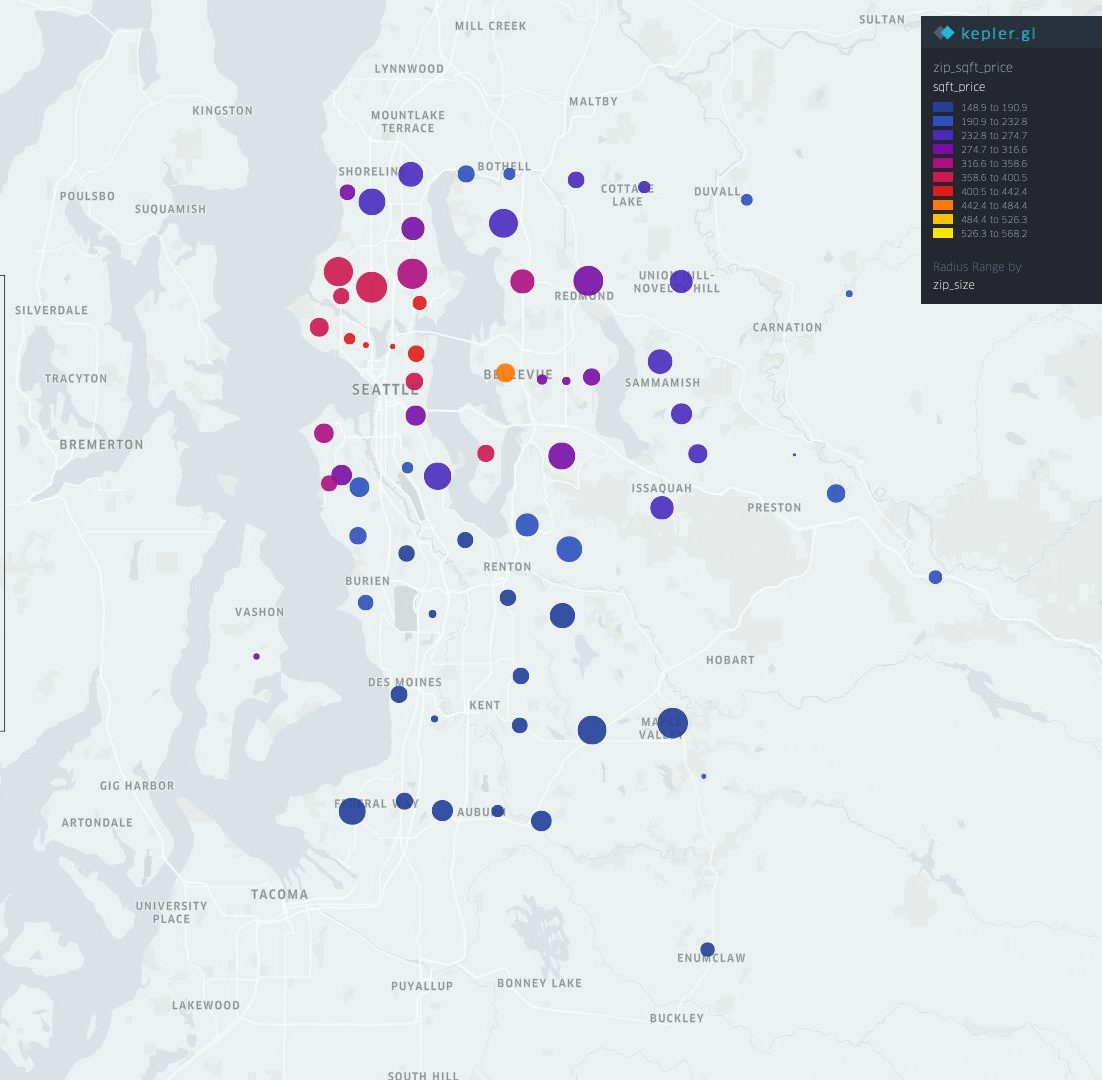
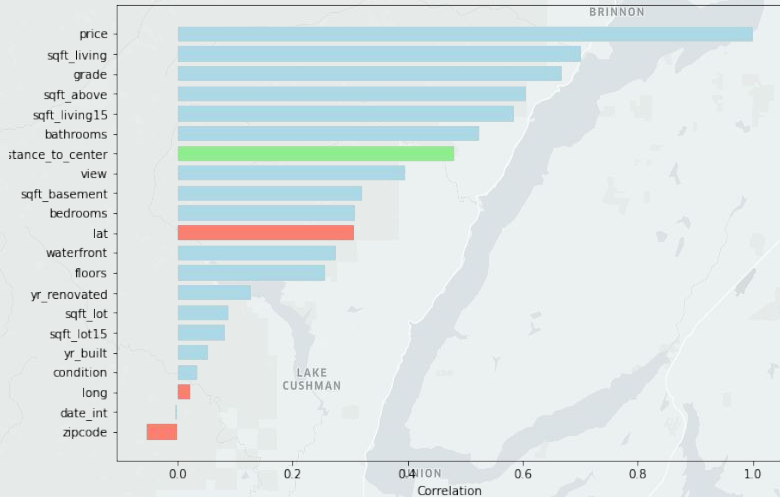
soft_price

soft_price



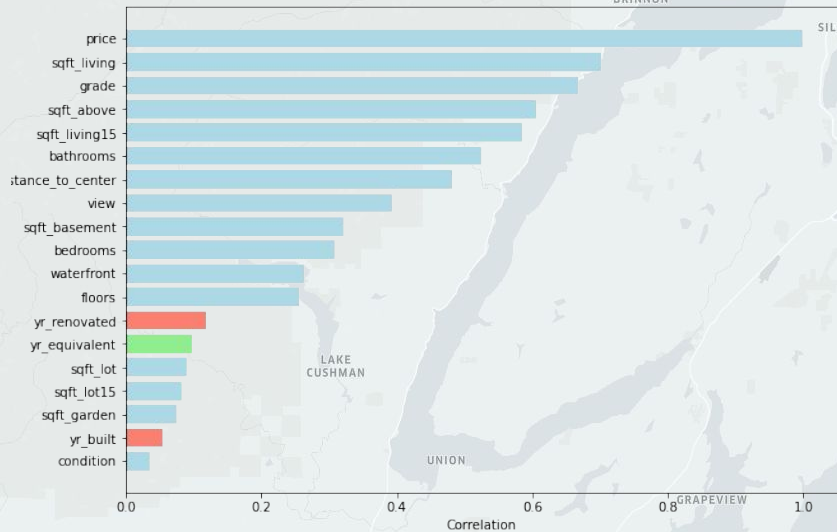
Variables selection

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Results

	RMSE	R2	R2 adjusted
Train set	178152.22	0.764	0.764
Test set	188427.90	0.737	0.736