

Predicting
Housing
Sale Prices
for King
County

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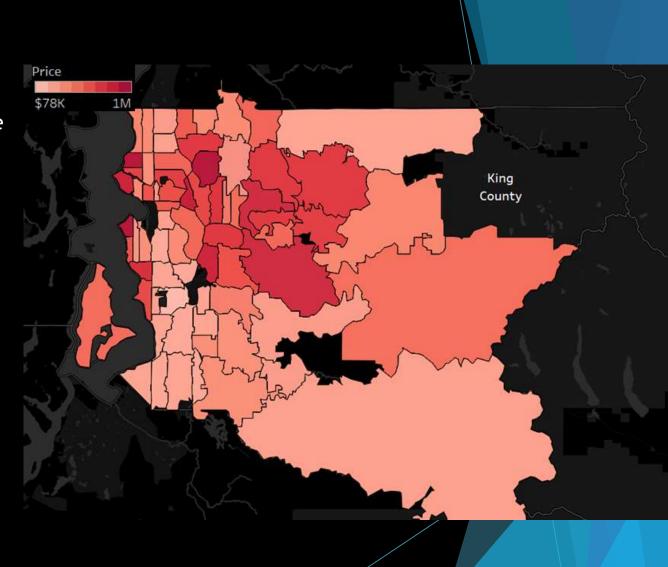
FRAMEWORK & DATA

- ► Analyzed price of houses sold in King County from May, 2014 May, 2015
 - ▶ 18 characteristics of the property:
 - ▶ Size of home, land
 - ▶ Size of neighboring properties
 - ► Housing condition, grade
 - ► Waterfront, view
 - ► Zip code, location

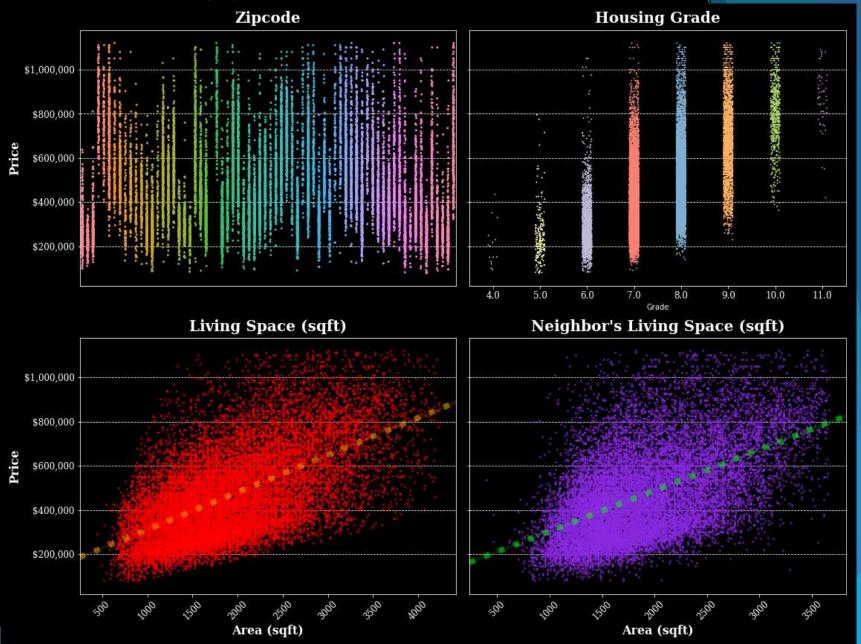
Multiple linear regression with Ordinary Least Squares (OLS) to predict house price \$78K 1M King County

FINDINGS

- Applied Recursive Feature Elimination (RFE) to determine the best predictors of sales price:
 - Zip code
 - Housing grade
 - ► Size of Living Areas (ft²)
 - Size of neighboring homes (ft²)



FINDINGS



Strategy to Increase Sales Price

- Two major determinants of sales price are beyond owner's control
 - Size of neighbor's living area.
 - Zip code
- Investing in modifying your home will increase price
 - Increase square footage your living space.
 - Use high-quality construction material to increase the housing grade.