# Predicting House Prices with the King's County Housing Data Set

Module 1: Exploratory Data Analysis
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## Methodology Overview

- 1. Clean the Data
- 2. Explore the Relationships
- 3. Normalize the Data
- 4. Model the Data
- 5. Make Predictions

#### 1. Clean the Data

- Eliminate obvious outliers
- Determine the presence of categorical variables
- Eliminate or replace null values
  - Explore "waterfront"

#### 2. Explore the relationships

- Check distribution of housing prices for reference
- Correlation heatmap: how features work together

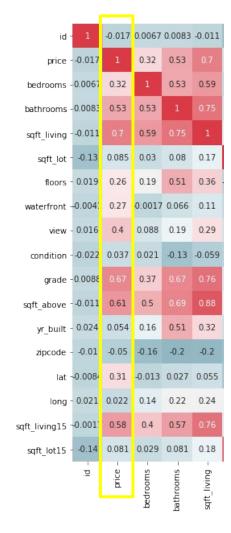
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- 0.6

- 0.3

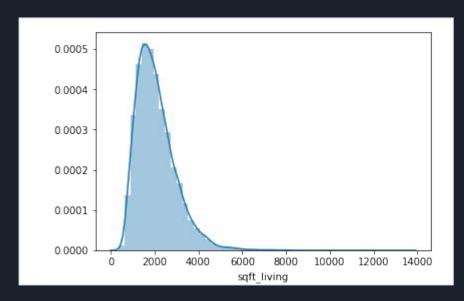
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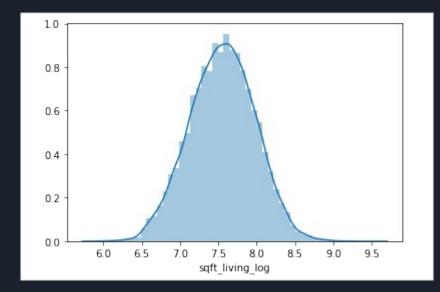
- -0.3



#### 3. Normalize Data

-Features: square footage of house, number of bathrooms, square footage of the house in 2015 above ground space





### 4. Model the Data

- 1. OLS regression
- 2. RFE
- 3. Train, test, split

# Findings