Team 5 Notebook: King County Housing

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Problem:

What is the housing price given a certain housing criteria?

Project impact:

For owners - understand the value of your property relative to other properties that offer the same features

For potential investors - assert if the house's value is reasonable etc.

For potential buyers/brokers - comparing properties and finding the best value proposition for a certain criteria

Data overview:

Data source: Kaggle - https://www.kaggle.com/harlfoxem/housesalesprediction

house_id - Unique ID for each home sold

Year_sold, month_sold, day_sold - Date of the home sale

price - Price of each home sold

bedrooms - Number of bedrooms

bathrooms - Number of bathrooms, where .5 accounts for a room with a toilet but no shower

sqft_living - Square footage of the apartments interior living space

sqft_lot - Square footage of the land space

floors - Number of floors

waterfront - A dummy variable for whether the apartment was overlooking the waterfront or not

view - An index from 0 to 4 of how good the view of the property was

condition - An index from 1 to 5 on the condition of the apartment

grade - An index from 1 to 13, where 1-3 falls short of building construction and design, 7 has an average level of construction and design, and 11-13 have a high quality level of construction and design.

sqft_above - The square footage of the interior housing space that is above ground level

sqft_basement - The square footage of the interior housing space that is below ground level

yr_built - The year the house was initially built

yr_renovated - The year of the house's last renovation

zipcode - What zip code area the house is in

lat - Latitude

long - Longitude

sqft_living15 - The square footage of interior housing living space for the nearest 15 neighbors

sqft_lot15 - The square footage of the land lots of the nearest 15 neighbors