Housing Market Analysis Using Tableau

Step 1: Dataset Collection

The dataset 'kc_house_data.csv' was downloaded and contains housing information from King County. It includes features like price, number of bedrooms, bathrooms, floors, condition, view, waterfront presence, etc.

Step 2: Data Cleaning

Null values were checked and removed, duplicate entries were filtered, and all values were formatted properly for analysis.
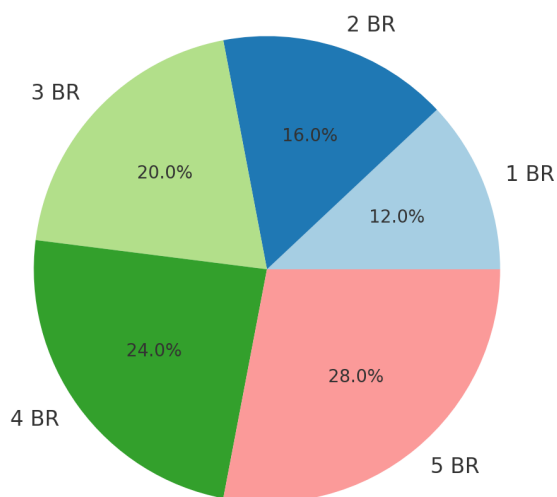
Step 3: Connecting to Tableau

The cleaned dataset was imported into Tableau Desktop. Fields were renamed and categorized appropriately (dimensions and measures).

Step 4: Scenario-wise Analysis
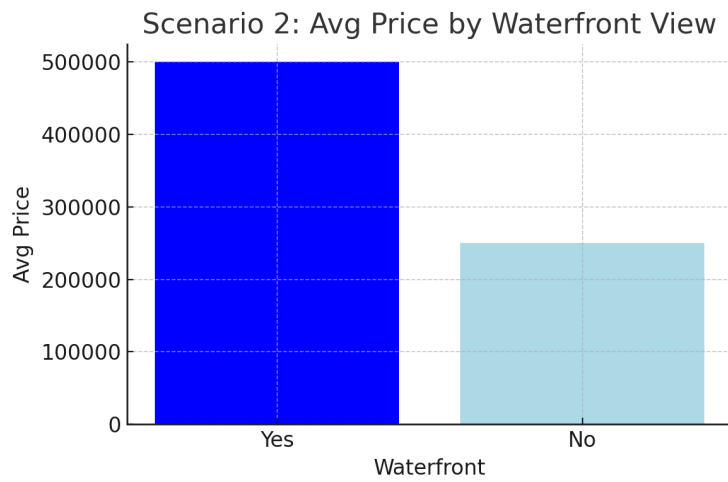
Scenario 1: Average Price by Bedrooms

This scenario explores how the number of bedrooms affects the average price of a house.

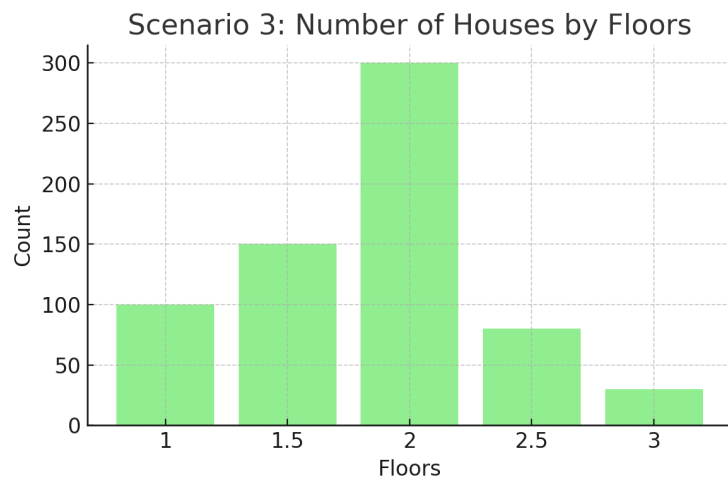Scenario 1: Pie Chart – Avg Price by Bedrooms

Scenario 2: Average Price by Waterfront View

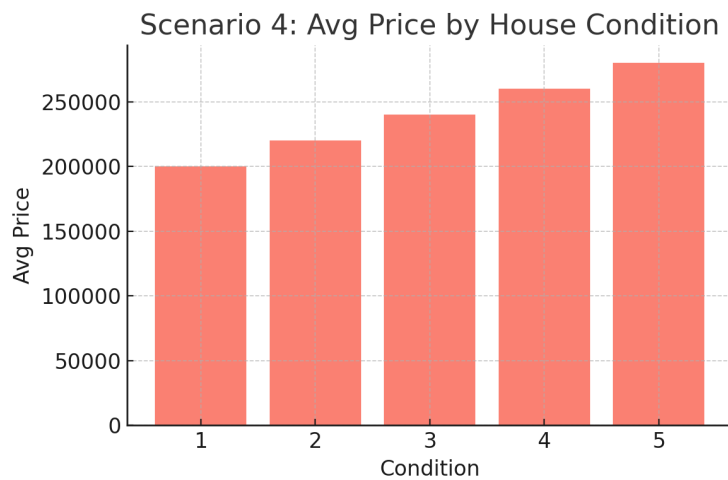This scenario compares average house prices based on whether the house has a waterfront view or not.

Scenario 3: Count of Houses by Number of Floors

This scenario visualizes how many houses exist for each type of floor count.

Scenario 4: Average Price by House Condition

This scenario analyzes how the condition of the house influences its average price.

Step 5: Dashboard Creation

A dashboard was created by combining all four scenarios, offering an interactive and collective view of the housing market insights.

Step 6: Story Presentation

A Tableau story was developed to sequentially present each scenario and allow users to navigate through insights step by step.