# RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

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# SMART INTERNZ VIRTUAL INTERNSHIP PROGRAM-2025

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**DOMAIN: DATA ANALYTICS WITH TABLEAU**

**Submitted by**

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**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.

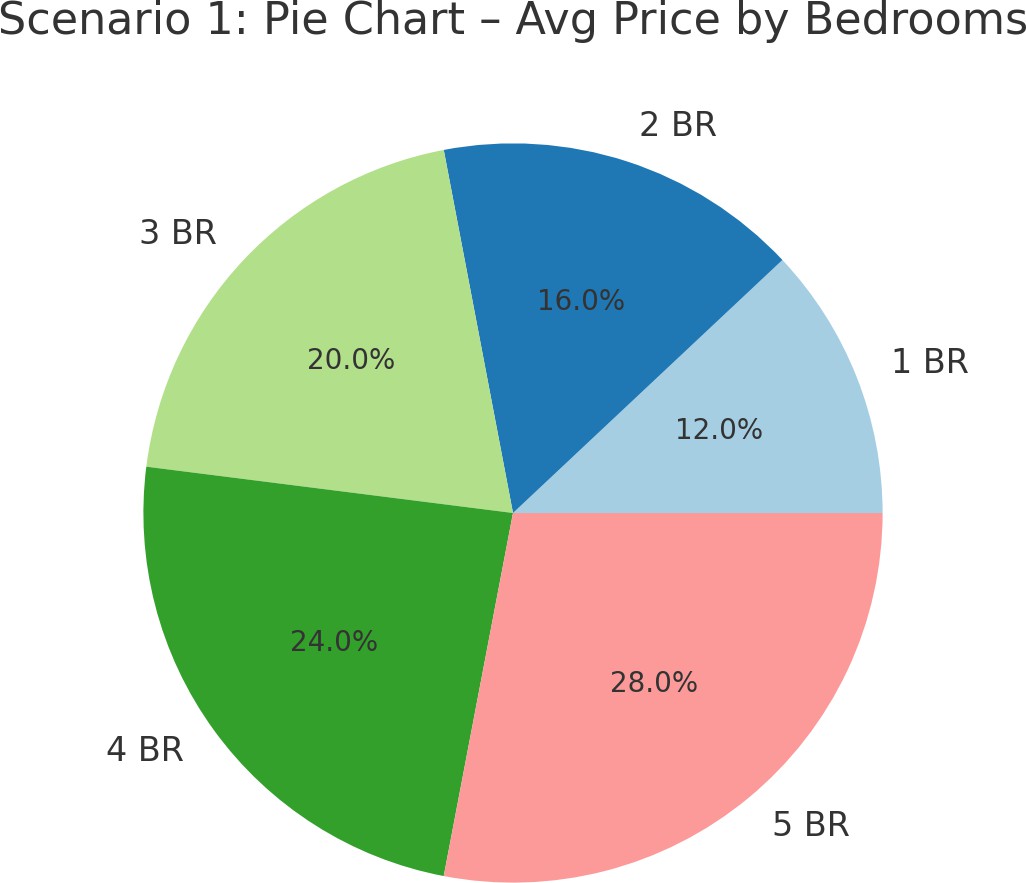
## Step 3: Connecting to Tableau

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

## Step 4: Scenario-wise Analysis

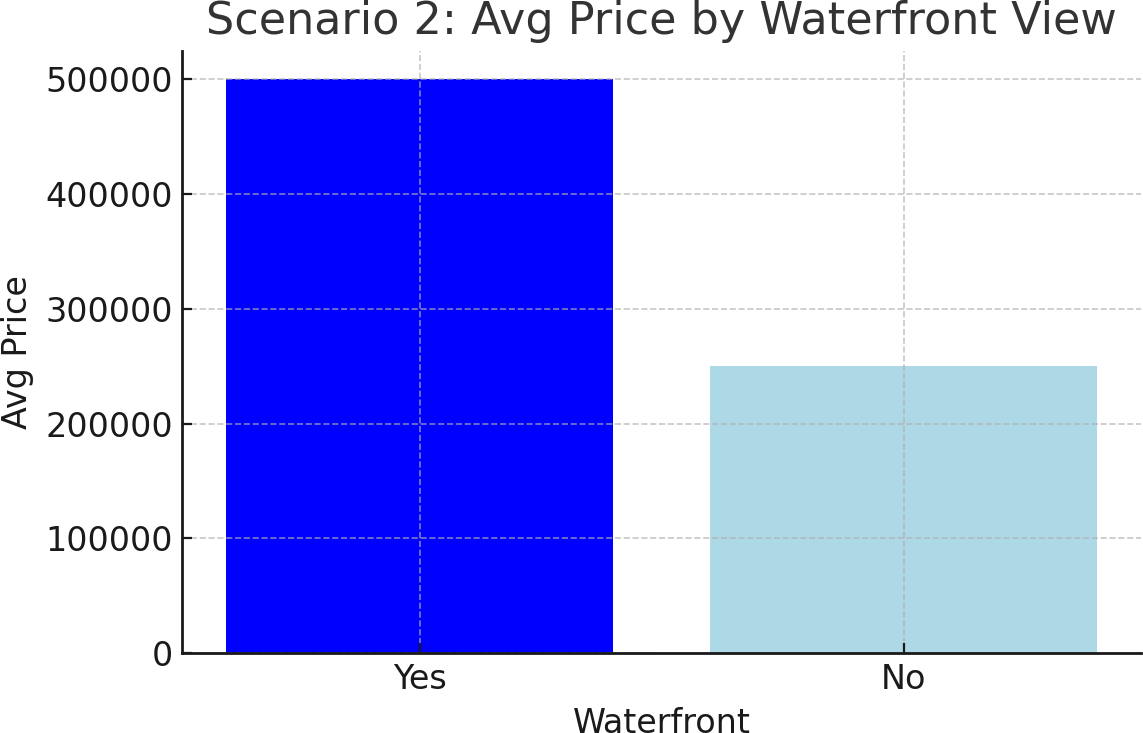
### Scenario 1: Average Price by Bedrooms

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



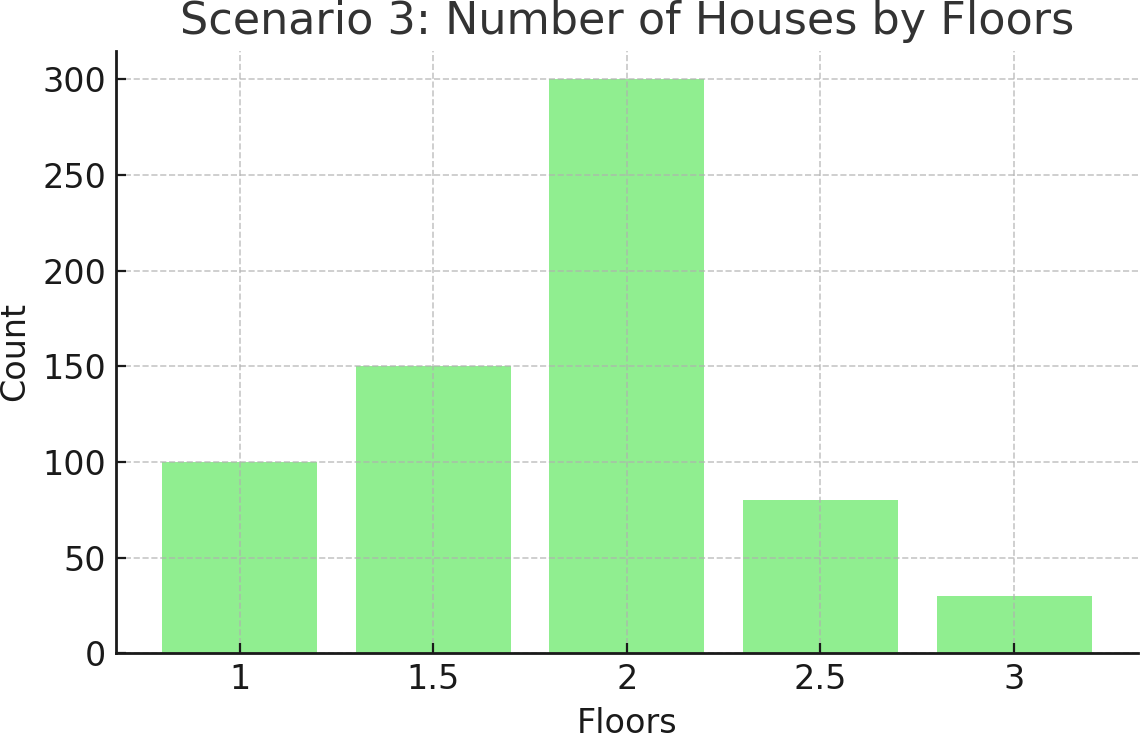
### Scenario 2: Average Price by Waterfront View

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



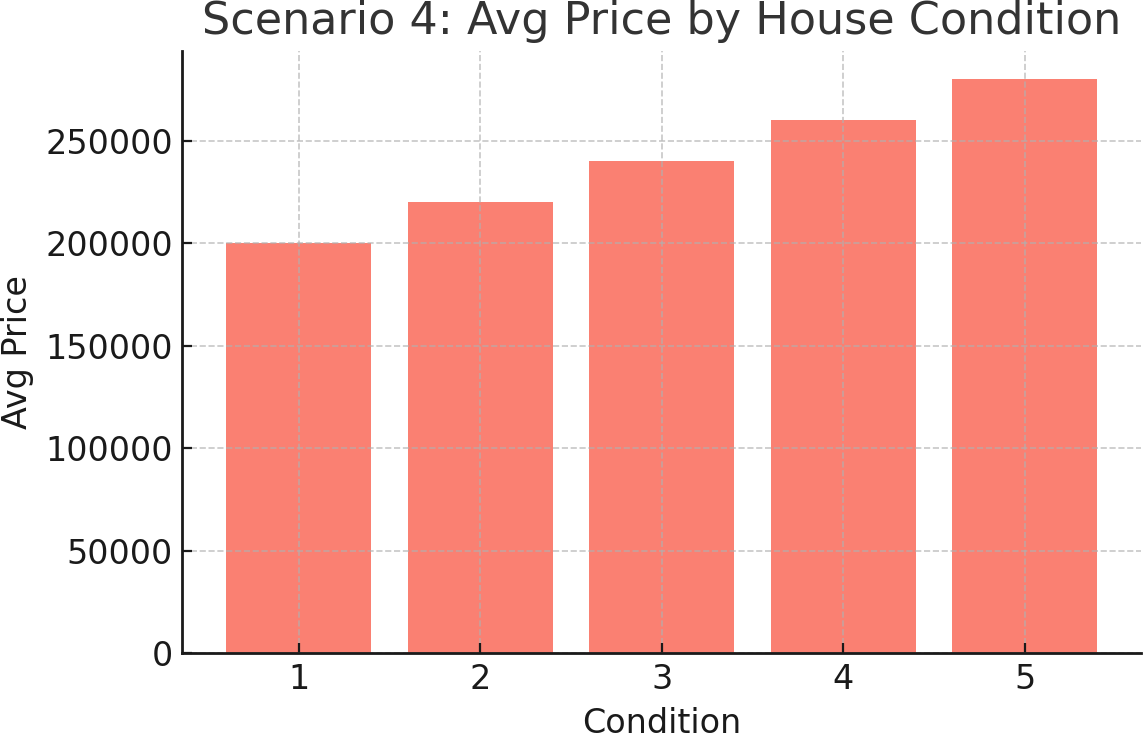
### Scenario 3: Count of Houses by Number of Floors

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



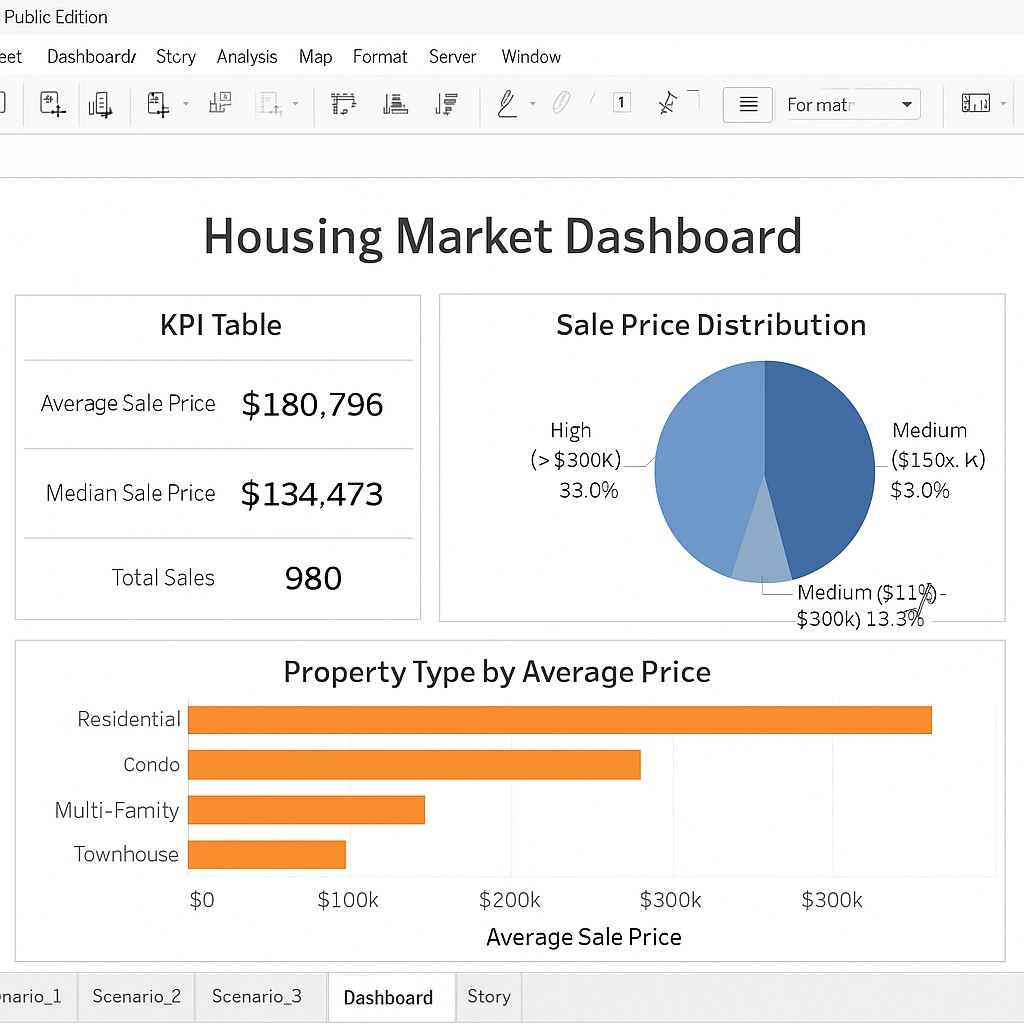
### Scenario 4: Average Price by House Condition

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.