

# **Visualizing Housing Market Trends: Analysis of Sale Prices and Features Using Tableau**

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## **1. Introduction**

This project focuses on analyzing housing market trends using Tableau.

The main objective is to understand how different house features such as bedrooms, bathrooms, and house age influence sale prices.

Data visualization helps convert raw data into meaningful insights. By creating charts and dashboards, trends in the housing market can be clearly understood.

## **2. Objective of the Project**

- To analyze housing sale prices
- To study the impact of bedrooms and bathrooms on price
- To examine how house age affects pricing
- To create an interactive dashboard using Tableau

### **3. Dataset Description**

The dataset used in this project contains housing sales information including:

- Price
- Bedrooms
- Bathrooms
- Square feet living area
- Year built
- Other property details

The dataset was provided in Excel format and imported into Tableau for analysis.

### **4. Tools Used**

- Tableau Public (for data visualization and dashboard creation)
- Microsoft Excel (for dataset handling)

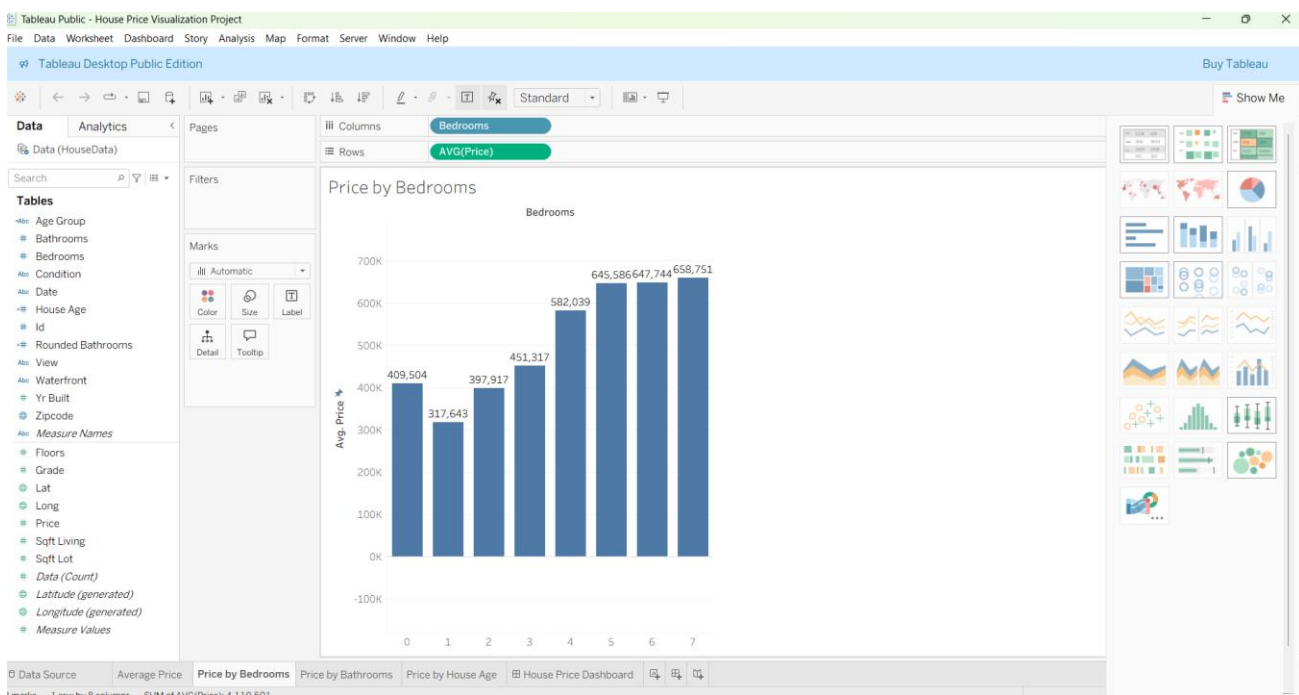
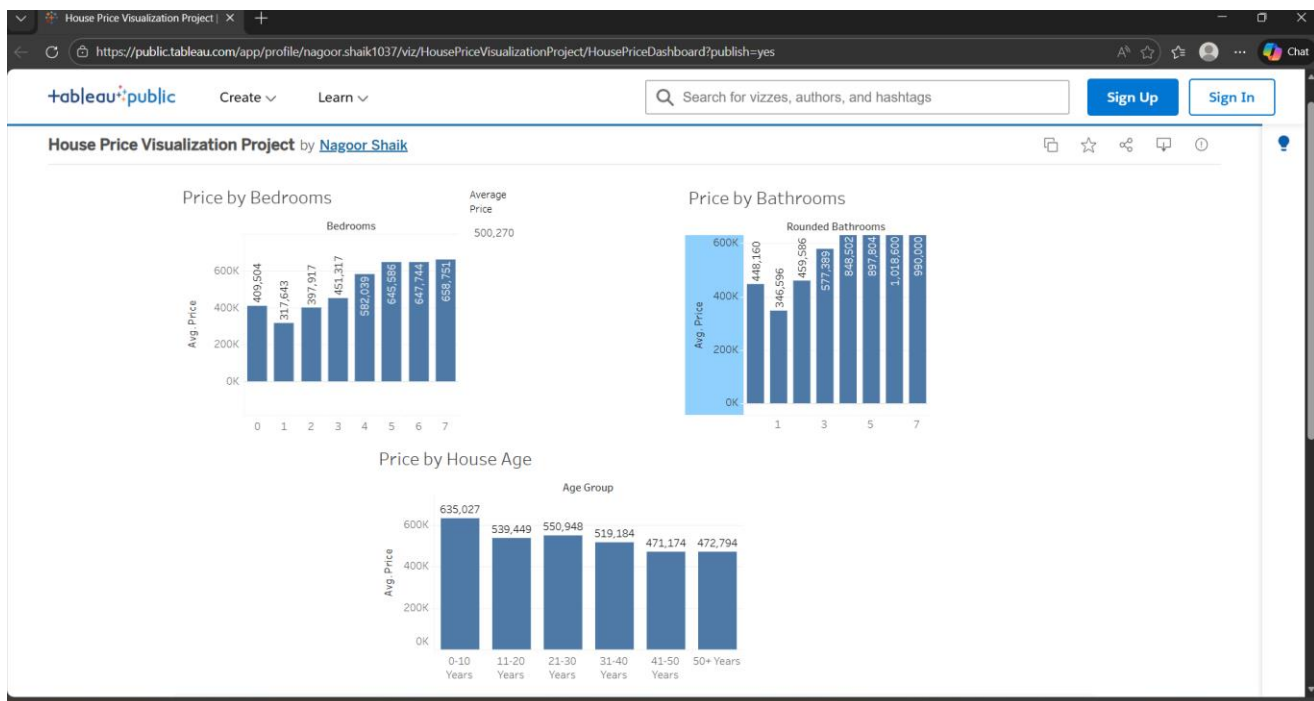
### **5. Data Preparation**

The dataset was imported into Tableau from Excel. Necessary adjustments were made such as:

- Converting numerical fields properly
- Creating calculated field for House Age
- Converting fields to Dimensions where required

This ensured accurate visualization and analysis.





## 7. Dashboard Overview

A dashboard was created combining all visualizations into a single view.

The dashboard allows users to:

- View average house price

- Compare prices by bedrooms
- Compare prices by bathrooms
- Analyze pricing trends by house age

This provides a complete overview of housing market patterns.

## **8. Key Insights**

- Houses with more bedrooms tend to have higher sale prices.
- Houses with more bathrooms generally show increased property value.
- Newer houses are priced higher compared to older houses.
- The average house price in the dataset is approximately (write your value here, e.g., 500,270).

## **9. Conclusion**

This project demonstrates how Tableau can be used to analyze and visualize housing market trends effectively.

By using interactive dashboards, patterns in sale prices and property features can be easily understood. The analysis helps in understanding how structural features influence housing value.

## **10. Tableau Dashboard Link**

<https://public.tableau.com/app/profile/nagoor.shaik1037/viz/HousePriceVisualizationProject/HousePriceDashboard?publish=yes>

