

Team ID: LTVIP2026TMIDS90490

Project Name: Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau

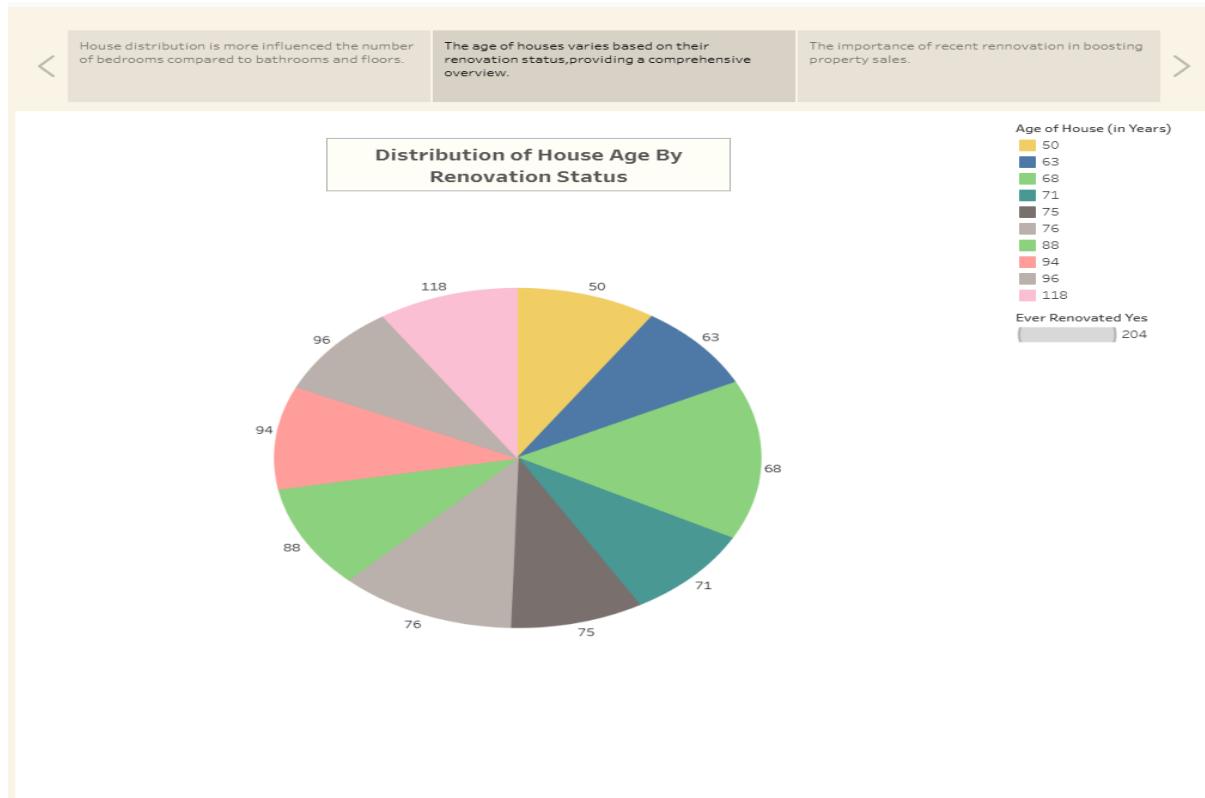
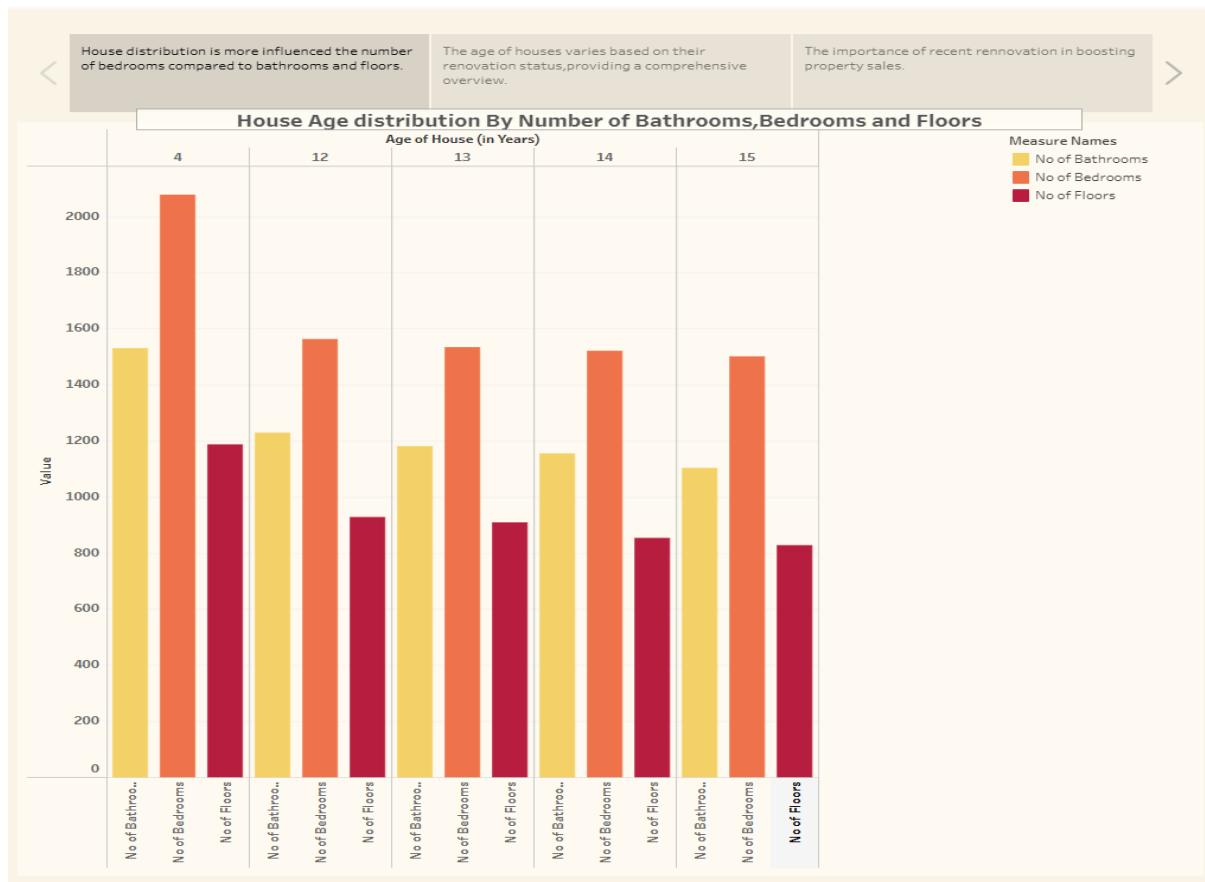
Dashboard Screenshot:

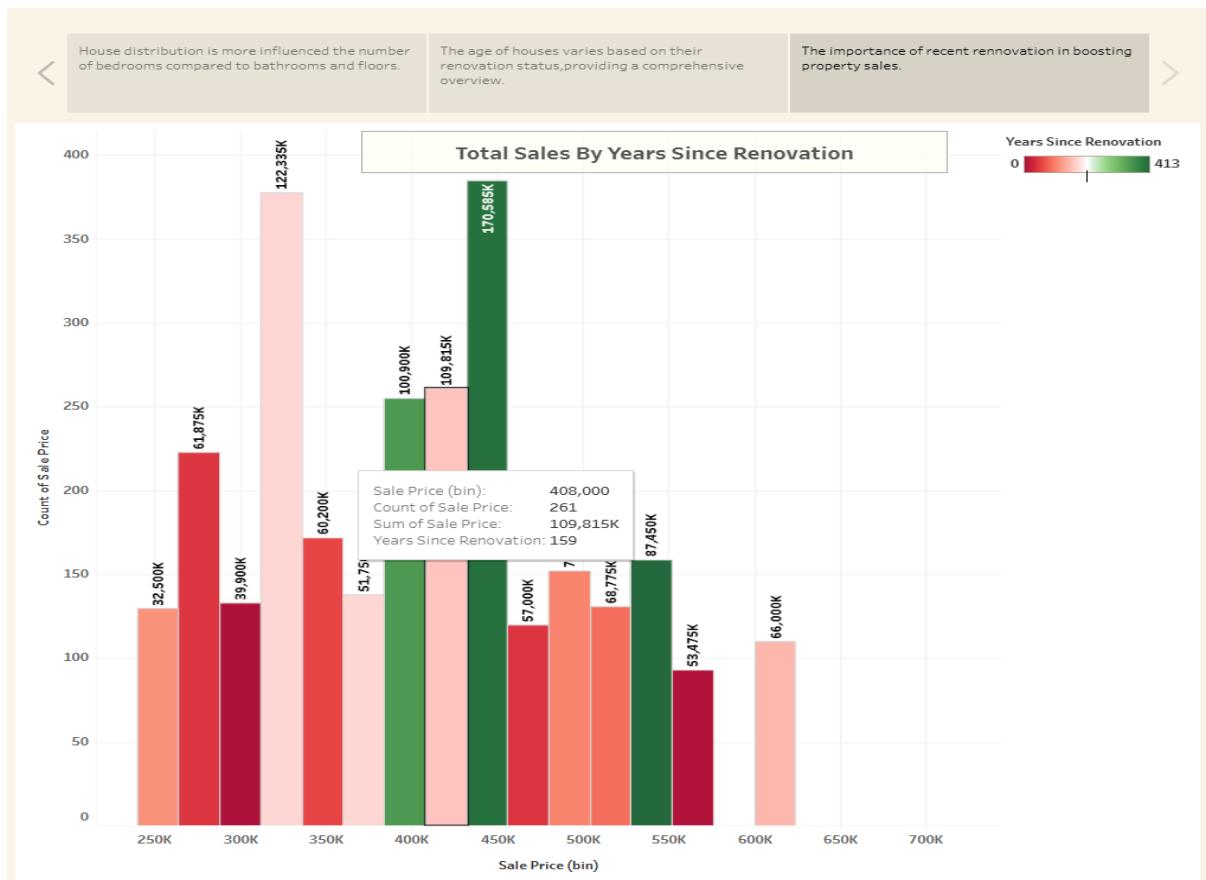


Dashboard Tableau Public Link:

https://public.tableau.com/views/VisualizingHousingMarketTrends-StoryFinal/Dashboard1?:language=en-US&:sid=&:redirect=auth&:display_count=n&:origin=viz_share_link

Story screenshots:





Story Tableau Public Link:

https://public.tableau.com/views/VisualizingHousingMarketTrends-story/Story1?:language=en-US&:sid=&:redirect=auth&:display_count=n&:origin=viz_share_link

My Tableau public Profile link:

<https://public.tableau.com/app/profile/peddisetty.mahesh/vizzes>

Web Screenshots:

Home page:

The screenshot shows the home page of a web application titled "Housing Market Trends". The main title "Visualizing Housing Market Trends" is displayed above a large image of a modern, single-story house with a dark roof and light-colored walls. Below the image are two blue buttons: "View Dashboard" and "View Story". The top navigation bar includes links for "Home", "Dashboard", "Story", and "About". The address bar shows the URL "127.0.0.1:5000".

Dashboard:

The screenshot shows the dashboard page of the "Housing Market Trends" application. The dashboard is titled "Dashboard 1" and contains several data visualizations:

- Data Overview:** A table with three rows:
 - Count of Transformed_Housing_Data2: 21,609
 - Avg. Sale Price: \$11,619
 - Area of the House from Basement (in Sqft): 38,643,798
- Total Sales By Years Since Renovation:** A bar chart showing sales counts across different price ranges. The x-axis represents price ranges (250K, 300K, 350K, 400K, 450K, 500K, 550K, 600K) and the y-axis represents the count of sales (0 to 400). The chart includes labels for each bar indicating the exact value.
- Distribution of House Age by Renovation Status:** A donut chart showing the distribution of house age categories. The segments are labeled with their respective percentages: 118, 50, 63, 96, 88, 76, 75, and 71.
- House Age Distribution by Number of Bathrooms, Bedrooms and Floors:** A grouped bar chart showing the distribution of house ages across different numbers of bathrooms, bedrooms, and floors. The x-axis represents the age of the house (12, 13, 14, 15 years) and the y-axis represents the value (0K to 2K).

At the bottom of the screen, a Windows taskbar is visible with various icons and system status information.

Story:

127.0.0.1:5000/story

Housing Market Trends

Story

House distribution is more influenced the number of bedrooms compared to bathrooms and floors.

The age of houses varies based on their renovation status, providing a comprehensive overview.

The importance of recent renovation in boosting property sales.

Measure Names

No of Bathrooms

No of Bedrooms

No of Floors

House Age distribution By Number of Bathrooms,Bedrooms and Floors

Age of House (In Years)

Value

4 12 13 14 15

Age of House (In Years)	No of Bathrooms	No of Bedrooms	No of Floors
4	~1500	~2900	~1200
12	~1200	~1500	~900
13	~1200	~1500	~900
14	~1100	~1500	~800
15	~1100	~1500	~800

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About page:

127.0.0.1:5000/about

Housing Market Trends

About This Project

Problem Statement

The housing market is influenced by multiple factors such as property features, location characteristics, and economic conditions. Understanding how these factors impact sale prices is essential for buyers, sellers, and investors.

Objectives

- To analyze housing sale prices using data visualization.
- To identify key features influencing property value.
- To explore patterns and trends within the housing market dataset.
- To present insights through interactive Tableau dashboards and stories.

Methodology

The dataset was processed and visualized using Tableau Public. Various charts, filters, and interactive elements were created to analyze relationships between sale prices and housing attributes such as area, number of rooms, and other features. The project was integrated into a Flask web application for deployment.

Conclusion

The analysis highlights significant correlations between housing features and sale prices. Interactive dashboards provide meaningful insights, enabling better decision-making in the real estate market.