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

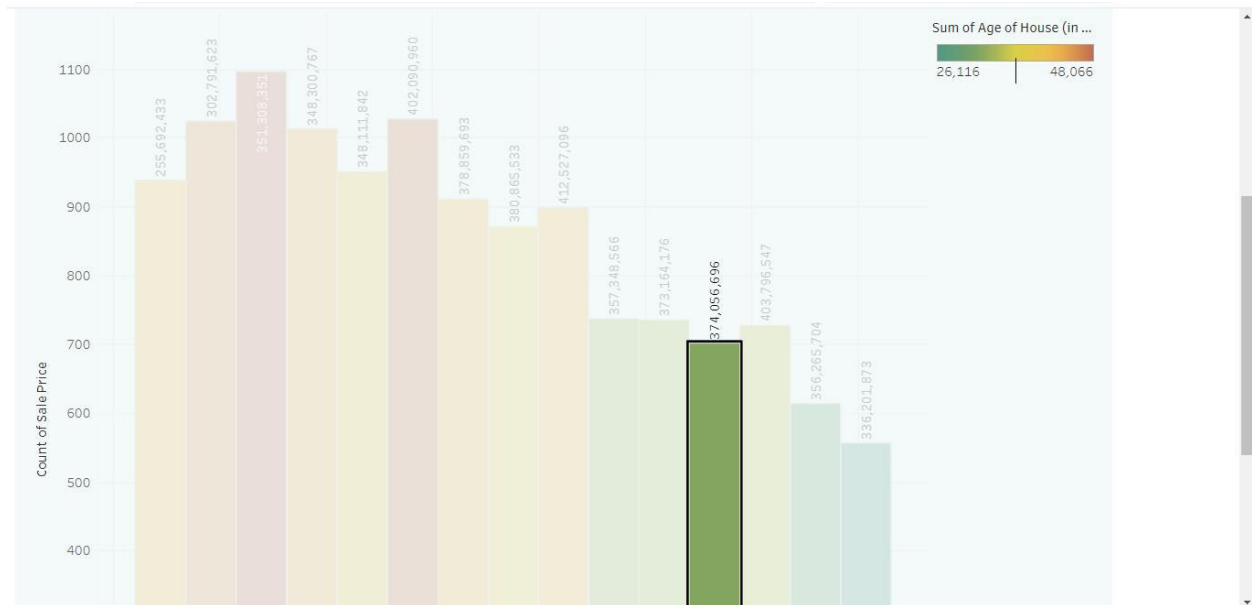| DATE	28-02-2026
TEAM ID	LTVIP2026TMIDS90693
PROJECT NAME	Visualizing Housing market Trends: An Analysis of Sale Prices and Feature Using Tableau
MAXIMUM MARKS	4 MARKS

6.5 Story

A storyboard is a visual representation of a sequence of events, typically used in multimedia projects such as films, animations, advertisements, or presentations. It consists of a series of drawings or images arranged in a sequence, often accompanied by annotations or descriptions, to outline the flow of the story or concept.

Visualizing housing market trends in Tableau allows for an interactive, data-driven analysis of sale prices', location, and property features to identify market drivers. Utilizing tools like Tableau Public and Desktop, analysts can create interactive dashboards featuring maps, histograms, and scatter plots to reveal trends such as the impact of square footages, bedrooms, and location on price, offering actionable insights for investors and homebuyers.
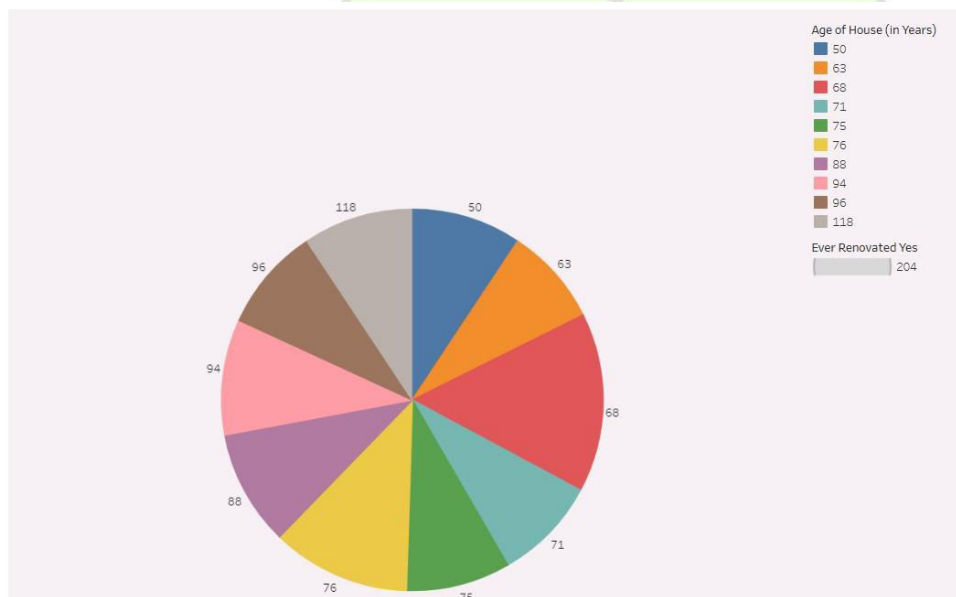
- **Key Components of a Housing Market Tableau Story**
- **Geospatial Analysis:** Map-based visualizations showing average sale prices by zip code, highlighting market hotspots.

- **Temporal Trends:** Line charts mapping daily/monthly average house prices to show marked, volatility and demand over time.

- **Property Feature Drivers:** Visualizations correlating price with attributes like the number of bedrooms, bathrooms, overall quality, and proximity to amenities.

- **Distribution Metrics:** Histograms used to analyse the distribution of house prices and identify outliers.

- **Tableau Tools Used**
- **Tableau Public/Desktop:** For building, dashboards and, interactive.

- **Data Prep:** Obtemper to handle, missing and, clean.

- **Visualization Types:** Head, scatter, and, maps to show complex relationships

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House Age Distribution by Number of Bathrooms, Bedrooms, and Floors

Distribution of House Age by Renovation Status

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In **Tableau**, a *Story* is a sequence of visualizations (called story points) that work together to explain insights. Instead of just dashboards, a story:

- Shows step-by-step findings
- Highlights key patterns
- Explains trends in context
- Allows interactive exploration

➢ Recommended Story Structure for Housing Market Analysis

Below is a logical structure for analysing **sale prices and housing features**.

When creating a **Tableau Story** about housing market trends, your goal is to guide viewers through a clear, data-driven narrative. Below is a structured breakdown of how to build and present your story effectively.