

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

➤ **6.4 Dashboard**

A Tableau housing market dashboard visualizes property sale prices, location, and structural features (e.g., square footage, bedrooms, bathrooms) to identify trends. Key components often include geographic maps, scatter plots for price correlations, and interactive filters for deep analysis. These tools facilitate informed, data-driven decisions.

➤ **Key Components and Insights of the Dashboard:**

- **Geographic Analysis:** Maps, often using latitude/longitude, display sales by region, zip code, or specific neighbourhoods to show price distribution.
- **Price Drivers & Correlations:** Scatter plots analyse the relationship between price and features, such as living area (sq. ft), with trend lines showing price growth potential.

➤ **Typical Workflow for Creating the Dashboard:**

1. **Data Collection & Cleaning:** Gathering data (e.g., from Redfin, MLS) and preparing it, often using Excel, Python, or Tableau Prep.
2. **Visualization:** Creating worksheets for specific metrics (e.g., Average Sale Price).
3. **Dashboard Assembly:** Combining charts, maps, and filters onto a single, interactive, and user-friendly interface.

The **Dashboard** is the final output of the project. It combines multiple visualizations into a single interactive interface that allows users to explore housing market trends, property features, and location insights. Built using **Tableau Desktop**, the dashboard transforms raw housing data into meaningful, interactive insights.

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

Example

The final solution consists of three interactive Tableau dashboards: Market Overview, Feature Impact Analysis, and Location & Investment Insights. These dashboards integrate key performance indicators, trend analysis, geographic mapping, and feature-based comparisons.

Comprehensive House Price Analysis

Dashboard

