

Data Collection and Preprocessing Phase

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| Date | 23 February 2026 |
| Team ID | LTVIP2026TMIDS37725 |
| Project Title | Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau |
| Maximum Marks | 4 Marks |

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

Data Collection Plan Template

| Section | Description |
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| Project Overview | <p>Visualizing Housing Market Trends: -</p> <p>This project, "Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau," aims to explore and analyze housing market trends using the Transformed Housing Data 2 dataset from Kaggle. The objective is to identify key factors influencing house prices, such as location, size, number of bedrooms, bathrooms, floors and basement area.</p> <p>By leveraging Tableau, the project will create interactive dashboards, story, bar chart, histogram, summary dashboard to visualize patterns, compare regional price variations, and gain insights into how different features impact house sale prices. The analysis will help in making data-driven decisions for buyers, sellers, and real estate professionals.</p> |

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| | <p>Objectives:</p> <ol style="list-style-type: none"> 1. Understand Sale Price Trends – Identify price distribution and variations based on property features. 2. Feature Analysis – Examine factors influencing house prices, such as area, bedrooms, and location. 3. Market Insights – Discover trends and patterns to assist buyers, sellers, and real estate professionals. 4. Data-Driven Decision Making – Use visualizations to interpret market conditions effectively. |
| Data Collection Plan | <p>The Data is collected from the “KAGGLE”</p> <p>Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau</p> <p>Link:</p> <p>https://www.kaggle.com/datasets/rituparnaghosh18/transformed-housing-data-2</p> |
| Raw Data Sources Identified | <p>Transformed Housing Data 2 from KAGGLE.</p> <p>This dataset contains 21,609 house sale records with various attributes such as sale price, number of bedrooms, square footage, location, and additional features. The data has been pre-processed and transformed for analytical purposes. There are a total of 31 columns, out of which Sale Price can be supposedly taken as a dependent variable. The other variables are different features, locations and date, etc. regarding the houses.</p> |

Raw Data Sources Template

| Source Name | Description | Location/URL | Format | Size | Access Permissions |
|----------------------------------|--|---|--------|-------|--------------------|
| Transformed Housing Data 2 | This dataset contains 21,609 house sale records with details such as price, area, number of bedrooms, and other property features. | Kaggle Dataset Link | CSV | 10 MB | Public |