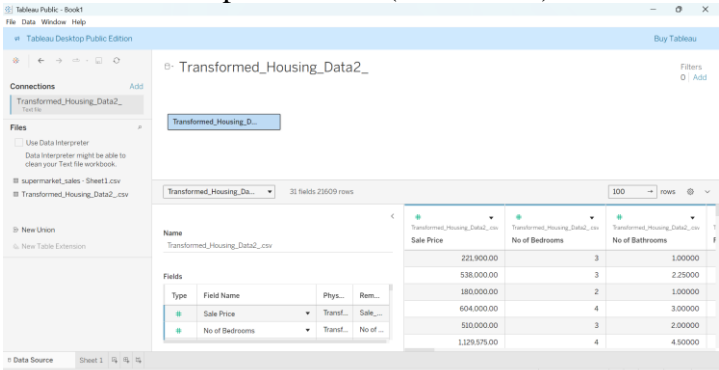


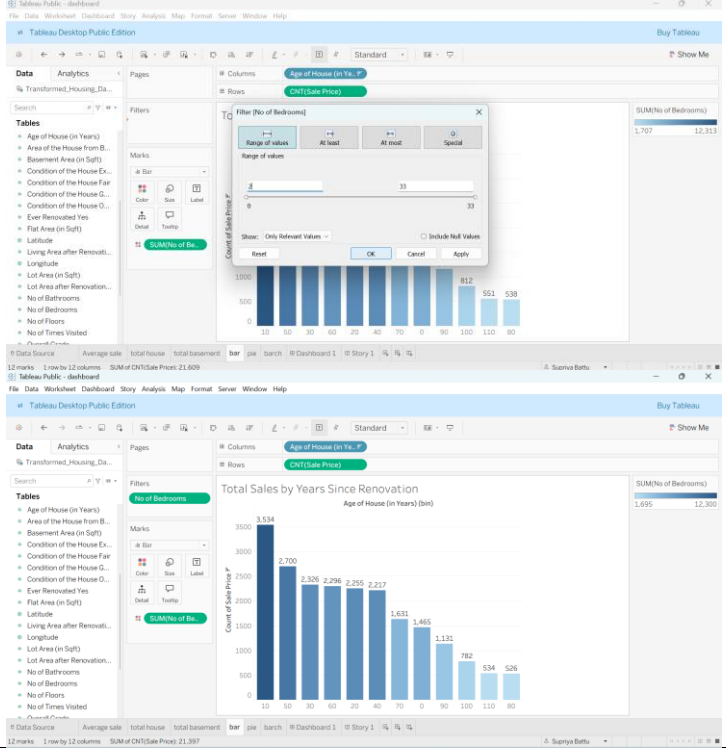
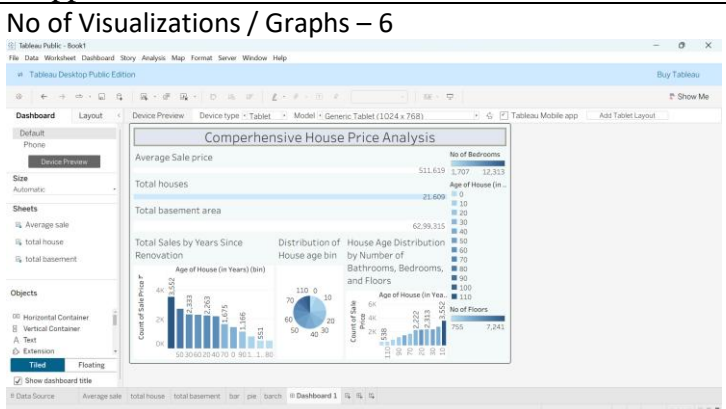
Project Development Phase Model Performance Test

Date	27-06-2025
Team ID	LTVIP2025TMID51031
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	Data fields rendered: Age of House, Sale Price, Bedrooms, Bathrooms, Floors, Basement Area, Year Since Renovation. Visualizations display counts, averages, totals, and distributions from these fields.
2.	Data Preprocessing	<ul style="list-style-type: none"> •Removed any null or blank rows if found. •Verified data types (numeric, categorical). •Created bins for age of house to group into 5-year intervals. •Converted CSV to Excel for Tableau extract. •Used filters on Bedrooms, Bathrooms, and Floors for data slicing. • Checked for duplicate rows (none found). 

<p>3.</p>	<p>Utilization of Filters</p>	 <p>The screenshot shows the Tableau Desktop interface with a bar chart titled 'Total Sales by Years Since Renovation'. The x-axis represents 'Age of House (in Years) (bin)' and the y-axis represents 'Count of Sale Price'. A filter dialog box is open, showing the 'Filter (No of Bedrooms)' options. The dialog includes a 'Range of values' section with a slider from 0 to 33, and buttons for 'At least', 'At most', and 'Special'. The background chart shows data points for various age bins, with the highest count at 10 years (3,534).</p>
<p>4.</p>	<p>Calculation fields Used</p>	<ul style="list-style-type: none"> •Count of records (Total Houses). •Average Sale Price. •Sum of Basement Area. •Binned Age of House (5-year bins). •Grouped aggregation by Bedrooms, Bathrooms, and Floors. • Applied filters for Bedrooms, Bathrooms, and Floors.
<p>5.</p>	<p>Dashboard design</p>	<p>No of Visualizations / Graphs – 6</p>  <p>The screenshot shows a Tableau dashboard titled 'Comprehensive House Price Analysis'. The dashboard includes several visualizations: a bar chart for 'Average Sale price', a bar chart for 'Total houses', a bar chart for 'Total basement area', a bar chart for 'Total Sales by Years Since Renovation', a pie chart for 'Distribution of House Age Distribution by Number of Bathrooms, Bedrooms, and Floors', and a bar chart for 'House Age Distribution by Number of Bathrooms, Bedrooms, and Floors'. The dashboard is designed for a tablet device and includes a sidebar with navigation options.</p>

