

Project Development Phase

Model Performance Test

Date	24 -June-2025
Team ID	LTVIP2025TMID38975
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	<ul style="list-style-type: none">- Total Rows: 21,609- Columns: 36- File used: Transformed_Housing_Data2.xlsx - Rendered from Tableau Data Source tab (attach screenshot)
2.	Data Preprocessing	<ul style="list-style-type: none">- Converted CSV to Excel format- Renamed field names for readability (e.g., Sale Price, Years Since Renovation)- Created calculated field Renovation Status

3.	Utilization of Filters	<p>Filters applied to:</p> <ul style="list-style-type: none"> • Years Since Renovation • No. of Bedrooms, Bathrooms, Floors <p>Filters are shown on dashboard and individual sheets</p>
4.	Calculation fields Used	<ul style="list-style-type: none"> - Years Since Renovation (if not provided) - Age of House (in Years) (calculated from Year Built and current year) - Renovation Status (custom calc for Yes/No)
5.	Dashboard design	<p>No of Visualizations / Graphs – 4</p> <ol style="list-style-type: none"> 1. Scenario 1: Overall Data Overview 2. Scenario 2: Bar chart by renovation years 3. Scenario 3: Pie chart for age/renovation 4. Scenario 4: Grouped bar chart for house features
6	Story Design	<p>No of Visualizations / Graphs – 4</p> <ul style="list-style-type: none"> - Story includes 3 scenario charts

Screenshot of Data Source:-

The screenshot displays the Tableau Desktop Public Edition interface. The main view shows the data source 'Transformed_Housing_Data2' with 31 fields and 21609 rows. The data preview table is as follows:

TransformedHousingData	TransformedHousingData	TransformedHousingData	TransformedHousingData	TransformedHousingData	TransformedHousingData
Sale Price	No of Bedrooms	No of Bathrooms	Flat Area (in Sqft)	Lot Area (in Sqft)	No of Floors
221,900	3	1,00,000	1,380	5,650	
538,000	3	2,25,000	2,570	7,242	
380,000	2	1,00,000	770	10,000	
604,000	4	3,00,000	1,960	5,000	
510,000	3	2,00,000	1,680	8,080	
1,129,575	4	4,50,000	4,430	171,930	

Screenshot of Dashboard with Filters:-

