

Project Development Phase Model Performance Test

Date	23/06/25
Team ID	LTVIP2025TMID59126
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	Dataset contains information about houses, including their price, area, number of bedrooms and bathrooms, and features like parking, furnishing status, and amenities, which can be used for real estate analysis in Tableau
2.	Data Preprocessing	Null values handled, filtered for required years. This was done using Python (Pandas) and stored in MySQL before importing into Tableau.
3.	Utilization of Filters	<p>Filters applied in dashboard:</p> <ul style="list-style-type: none">• Region• State• Year• Quarter• Lockdown (Yes/No) Used across all dashboards to enhance interactivity. 4 Calculated Fields Used Created fields in Tableau:• Year(Date)• Month(Date)• Quarter(Date)• Lockdown Label for categorizing data before and after lockdown.• Top N States (for usage comparison). 5 Dashboard Design Number of Visualizations: 4 Dashboards

		<p>Each dashboard includes:</p> <ul style="list-style-type: none">• Line Chart (Monthly trends)• Bar Chart (State-wise comparison)• Map / Tree Map (Region-wise consumption)• KPI indicators (Total and Average Usage) Refer: <i>Screenshots of Dashboard.pdf</i> 6 Story Design Number of Slides/Graphs in Story: 15 <p>Covers:</p> <ul style="list-style-type: none">• Intro & Problem• State-wise Usage• Lockdown Comparison• Regional Patterns• Seasonal Trends• Insights + Conclusion
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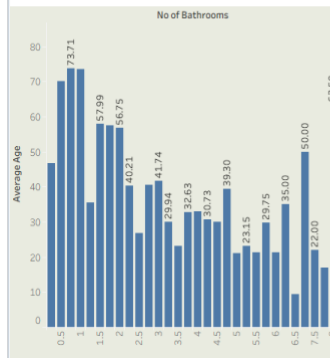
4.

Dashboard design

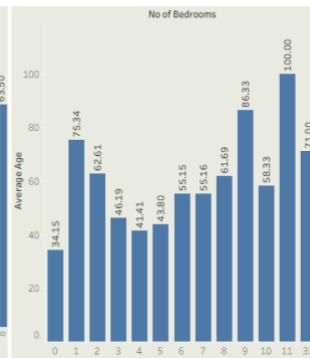
No of Visualizations / Graphs - 3 Dashboards , 8 Visualizations / Graphs.

Dashboard 1

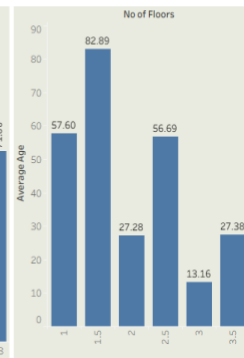
Average House Age by Bathrooms



Average House Age by Bedrooms

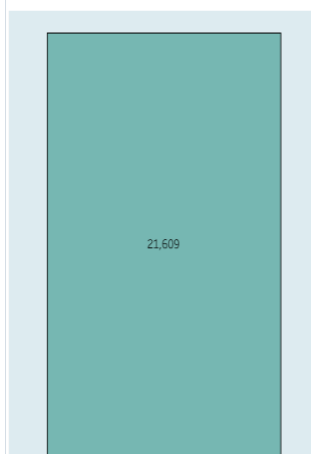


Average House Age by Floors

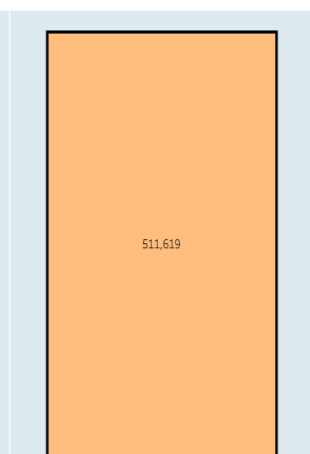


Dashboard 2

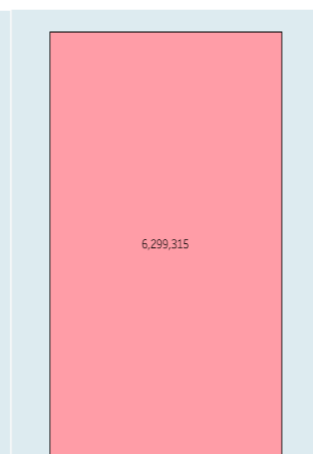
Total Records

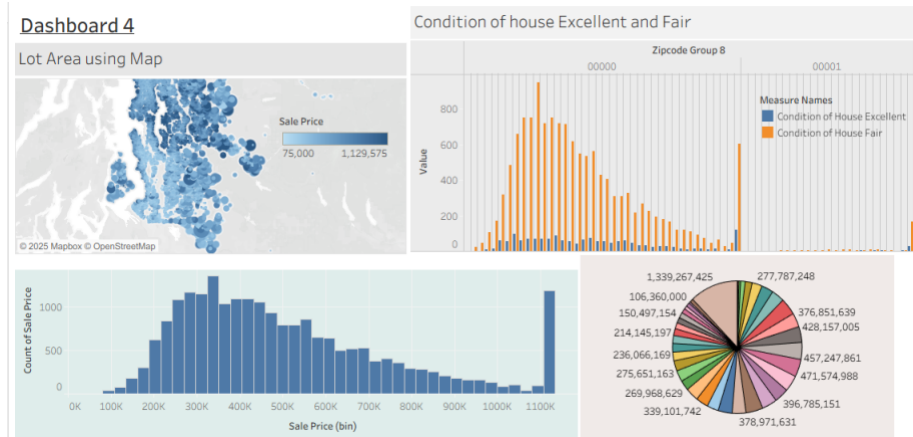


Avg Sale Price

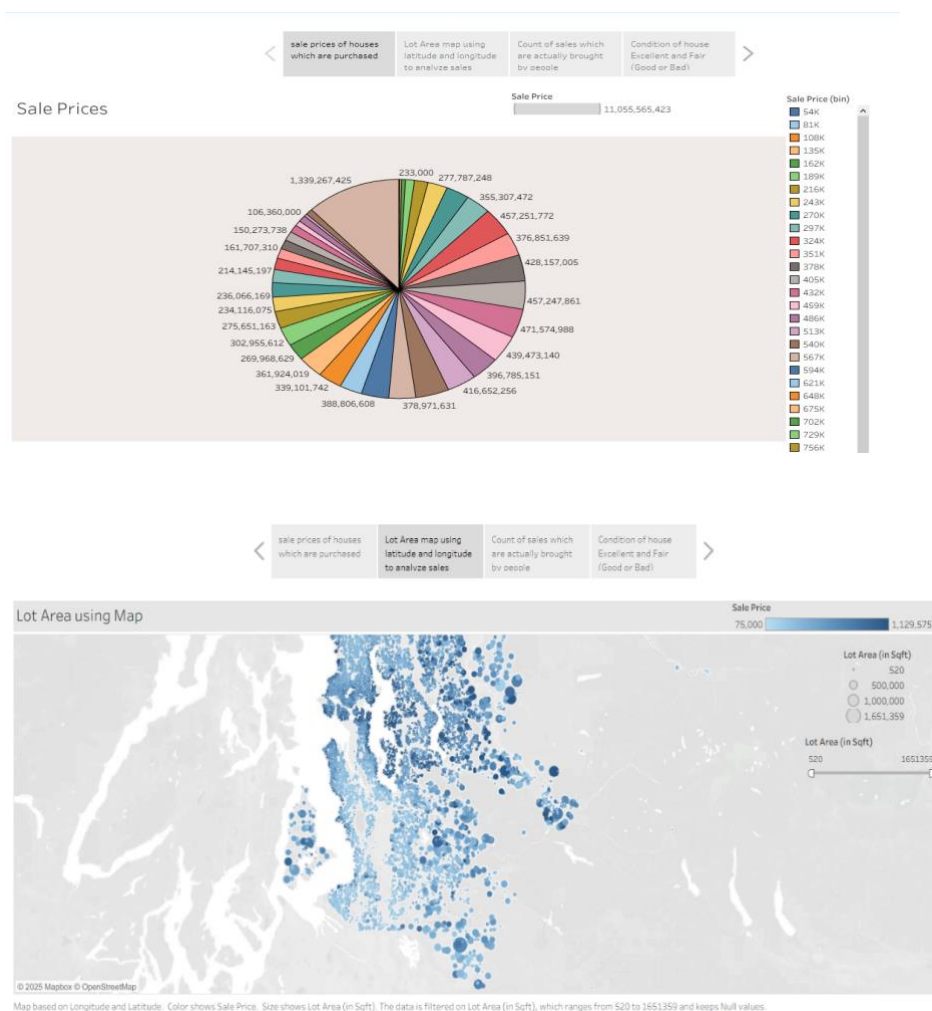


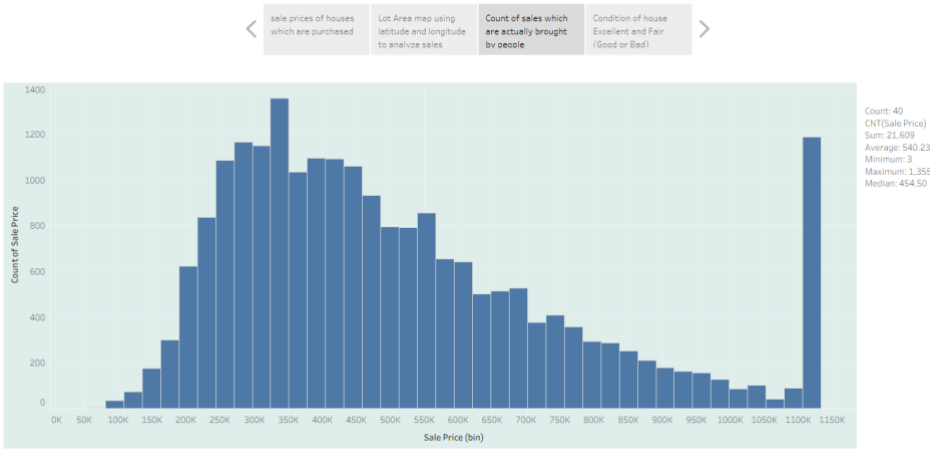
Total Basement Area



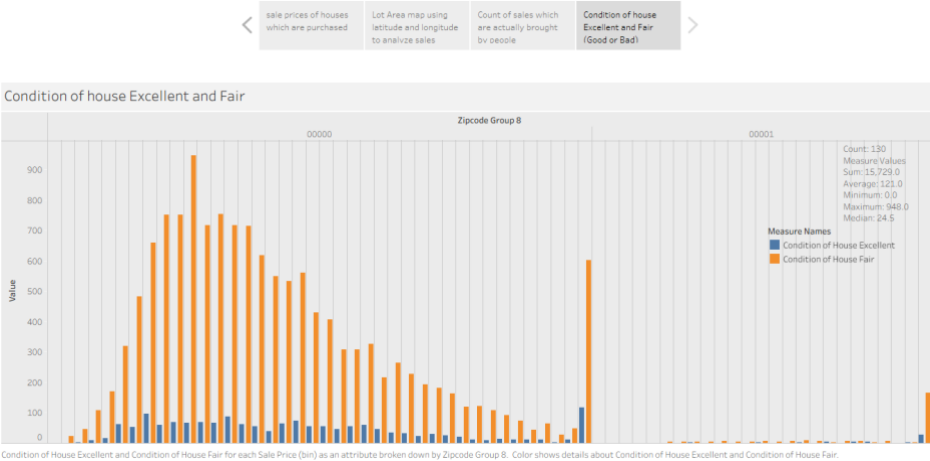


Story Design

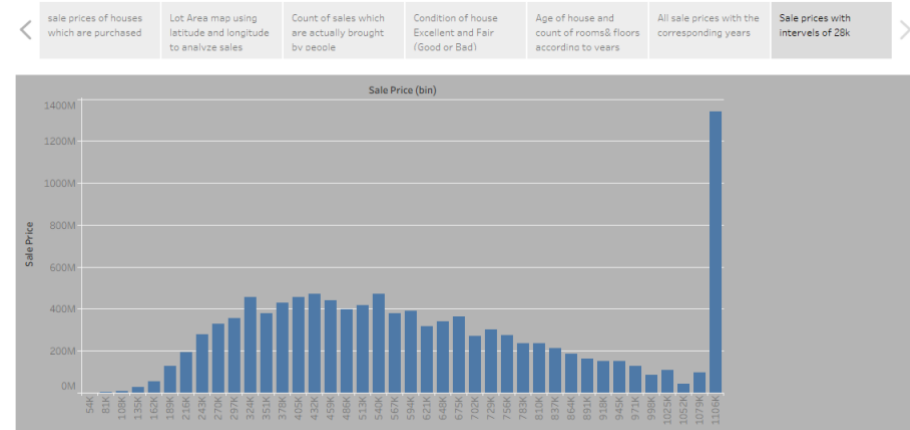
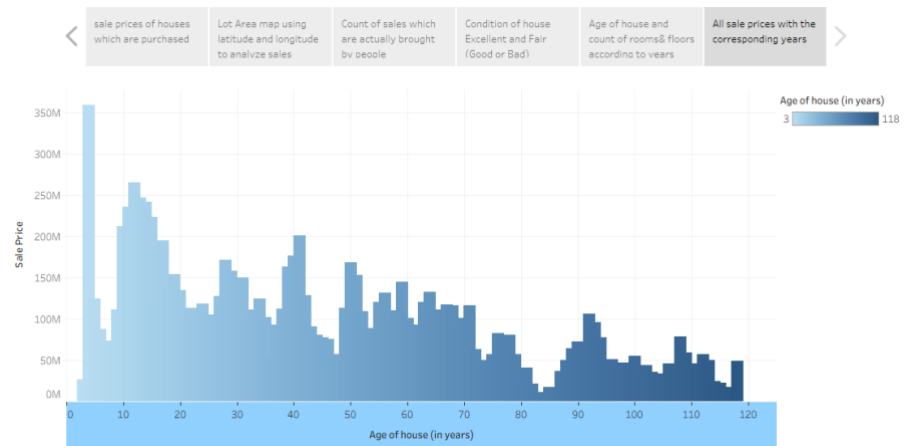
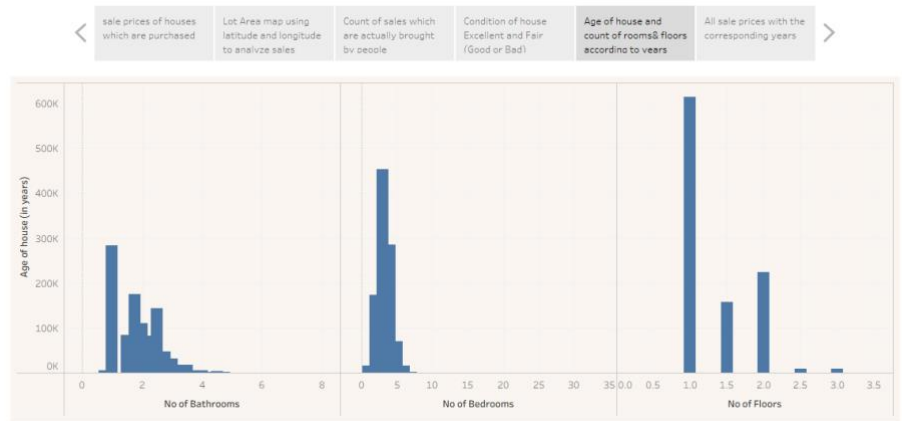




The trend of count of Sale Price for Sale Price (bin).

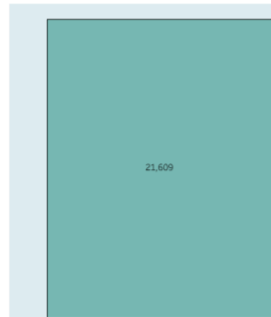


Condition of House Excellent and Condition of House Fair for each Sale Price (bin) as an attribute broken down by Zipcode Group 8. Color shows details about Condition of House Excellent and Condition of House Fair.



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[Average age of house by the count of Floors](#)
[Average age of house by the count of Bedrooms](#)
[Average age of house BY the count of Bathrooms](#)
[Showing years of renovation with the Sale price](#)
[concluding the house age with the count of house renovation](#)
[Line chart visualisation by Lot area \(in Sqft\) with rooms and floors](#)
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Total Records



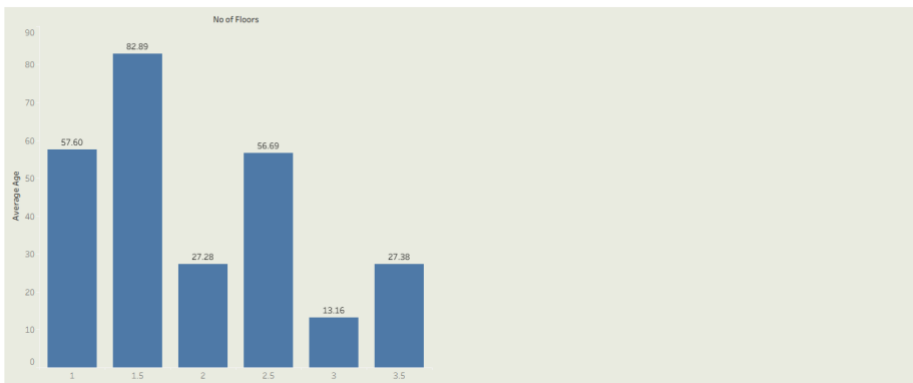
Avg Sale Price



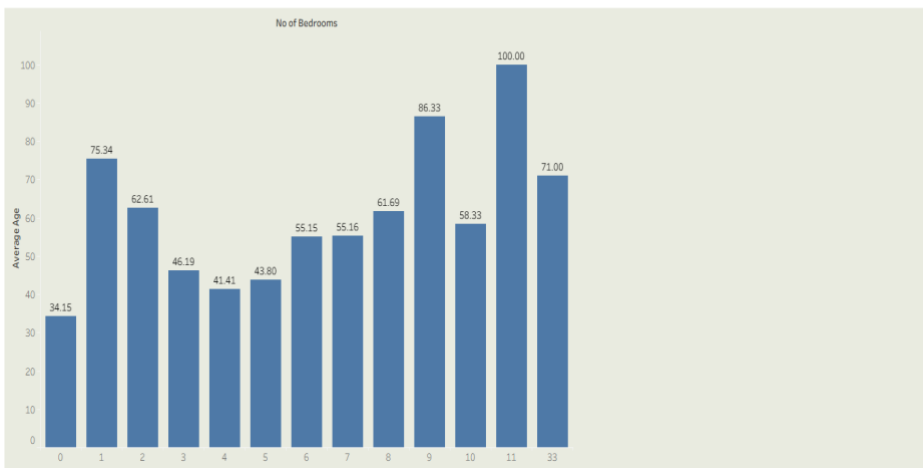
Total Basement Area



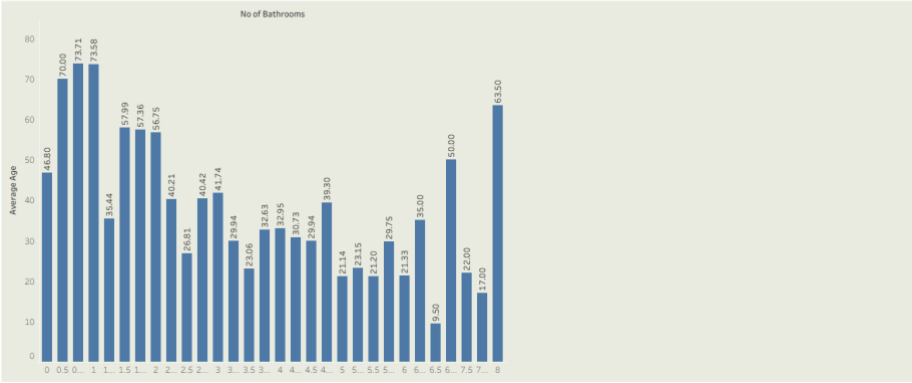
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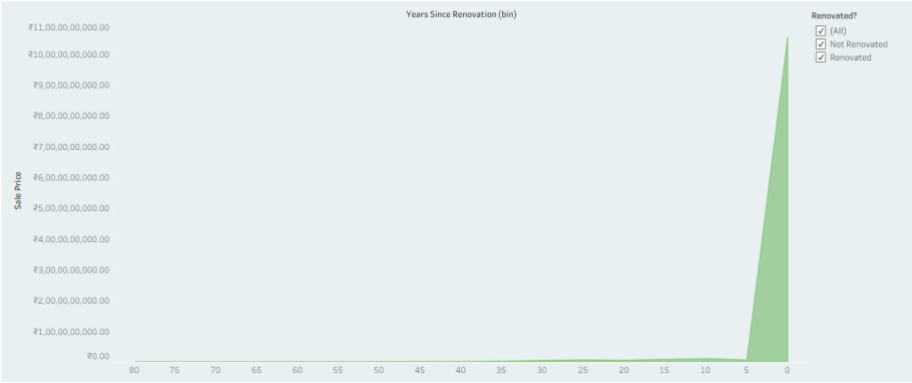
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