Project Development Phase Model Performance Test

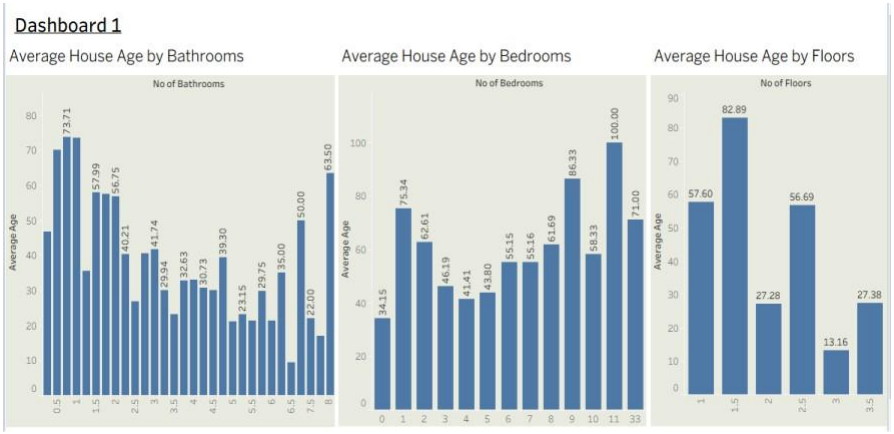
Date	06-02-2026
Team ID	LTVIP2026TMIDS24955
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	5 Marks

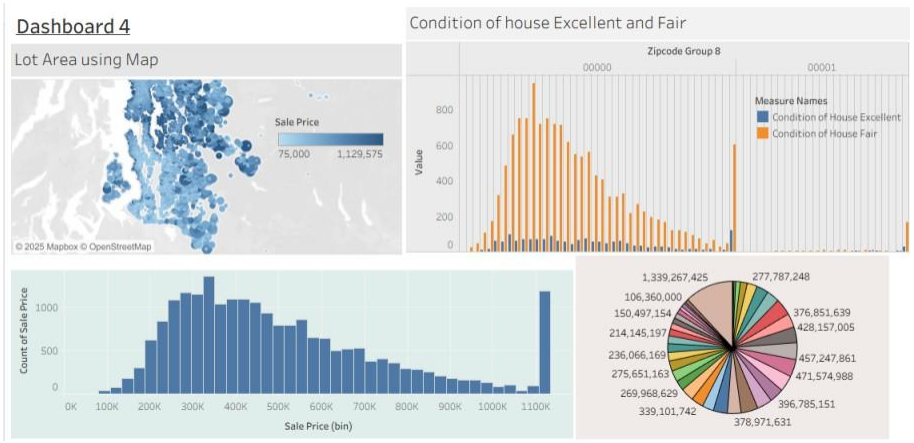
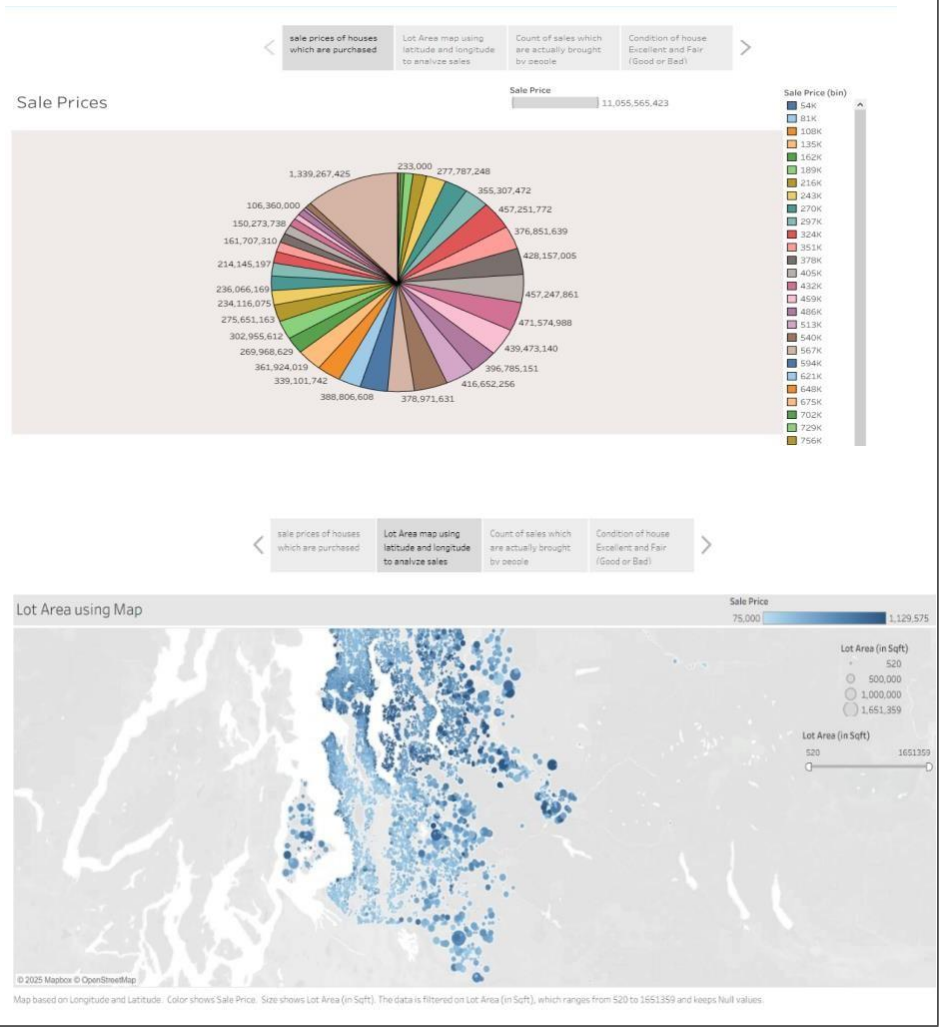
Model Performance Testing:

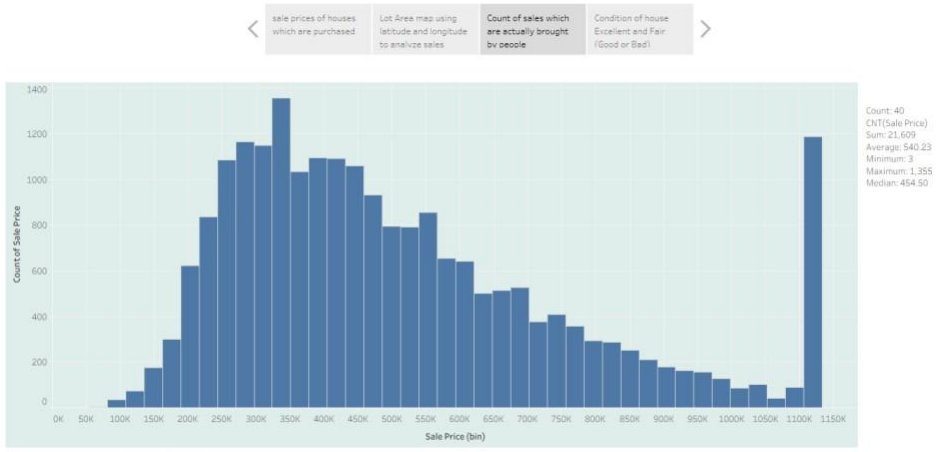
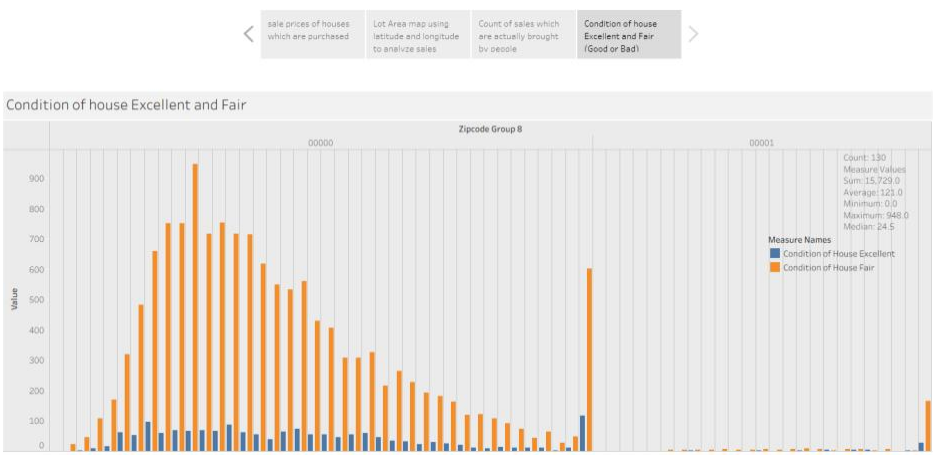
Project team shall fill the following information in model performance testing template.

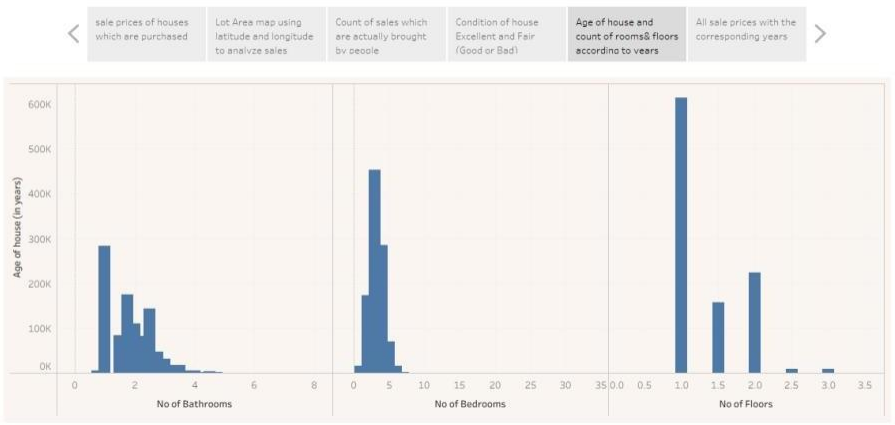
S.No.	Parameter	Screenshot / Values
1.	Data Rendered	Dataset contains information about houses, including their price, area, number of bedrooms and bathrooms, and features like parking, furnishing status, and amenities, which can be used for real estate analysis in Tableau
2.	Data Preprocessing	Null values handled, filtered for required years. This was done using Python (Pandas) and stored in MySQL before importing into Tableau.
3.	Utilization of Filters	Filters applied in dashboard: • **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

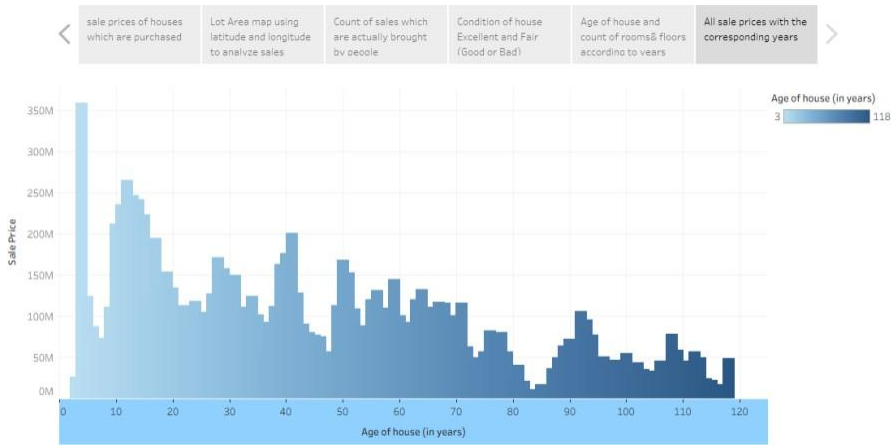
		Each dashboard includes: • Line Chart (Monthly trends) • Bar Chart (State-wise comparison) • Map / Tree Map (Region-wise consumption) • KPI indicators (Total and Average Usage) Refer: *Screenshots of Dashboard.pdf* | | 6 | **Story Design** | **Number of Slides/Graphs in Story:** 15 Covers: • Intro & Problem • State-wise Usage • Lockdown Comparison • Regional Patterns • Seasonal Trends • Insights + Conclusion

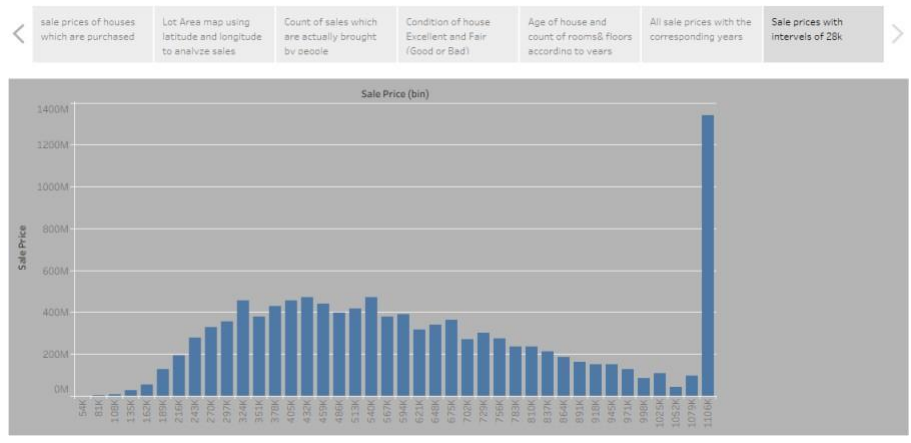
4.	Dashboard design	No of Visualizations / Graphs - 3 Dashboards , 8 Visualizations / Graphs. 

		  
5.	Story Design	No of Visualizations / Graphs -14 slides. 

		 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.

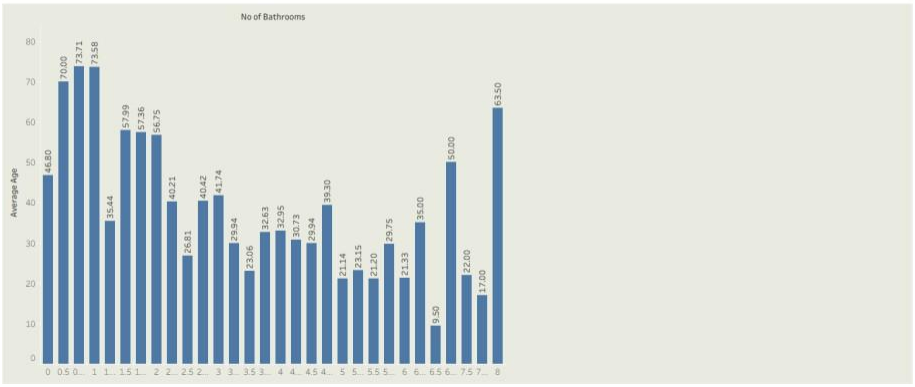

sale prices of houses which are purchased
Lot Area map using latitude and longitude to analyze sales
Count of sales which are actually brought by people
Condition of house Excellent and Fair (Good or Bad)
Age of house and count of rooms& floors according to years
All sale prices with the corresponding years
Age of house (in years)
No of Bathrooms
No of Bedrooms
No of Floors


sale prices of houses which are purchased
Lot Area map using latitude and longitude to analyze sales
Count of sales which are actually brought by people
Condition of house Excellent and Fair (Good or Bad)
Age of house and count of rooms& floors according to years
All sale prices with the corresponding years
Age of house (in years)
3
118
Sale Price
Age of house (in years)

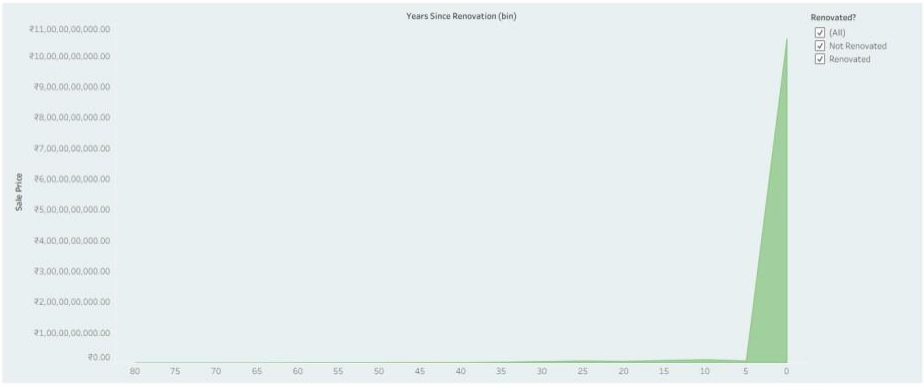

sale prices of houses which are purchased
Lot Area map using latitude and longitude to analyze sales
Count of sales which are actually brought by people
Condition of house Excellent and Fair (Good or Bad)
Age of house and count of rooms& floors according to years
All sale prices with the corresponding years
Sale prices with intervels of 28k
Sale Price (bin)
Sale Price

Analyze total records , Average sale price & Total Basement Area
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
Total Records
Avg Sale Price
Total Basement Area
21,609
511,619
6,299,315
No of Floors
Average Age
57.60
82.89
27.28
56.69
13.16
27.38
1
1.5
2
2.5
3
3.5
No of Bedrooms
34.15
75.34
62.61
46.19
41.41
43.80
55.15
55.16
61.69
86.33
58.33
100.00
71.00
0
1
2
3
4
5
6
7
8
9
10
11
33

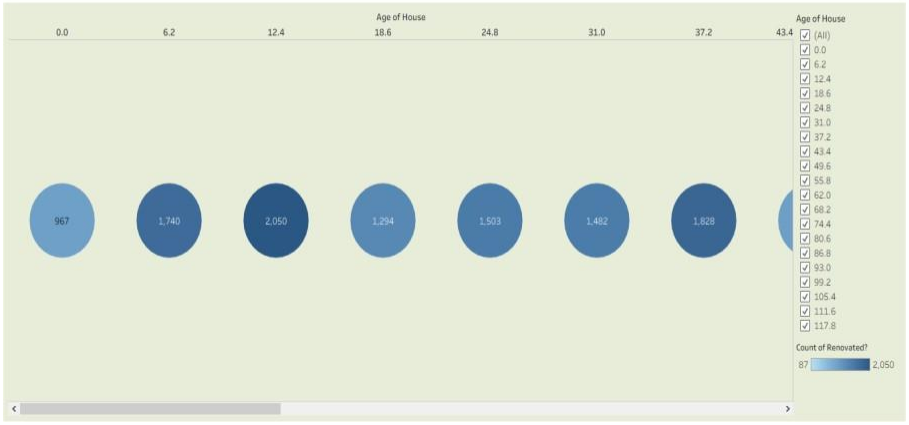
Analyze total records , Average sale price & Total Basement Area | Average age of house by the count of Floors | Average age of house by the count of Bedrooms | Average age of house BY the count of Bathrooms | Showing years of renovation with the Sale price | concluding the house age with the count of house renovation | Line chart visualisation by Lot area (in Sqft) with rooms and floors

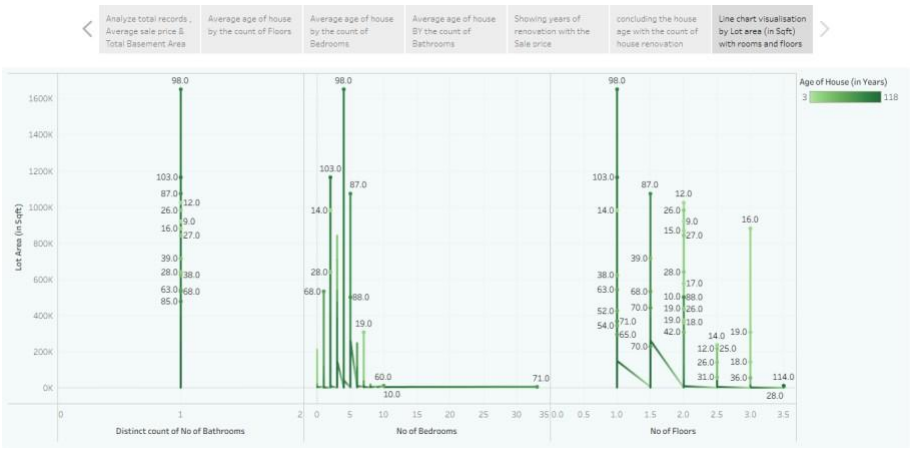


Analyze total records , Average sale price & Total Basement Area | Average age of house by the count of Floors | Average age of house by the count of Bedrooms | Average age of house BY the count of Bathrooms | Showing years of renovation with the Sale price | concluding the house age with the count of house renovation | Line chart visualisation by Lot area (in Sqft) with rooms and floors



Analyze total records , Average sale price & Total Basement Area | 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



		 Analyze total records , Average sale price & Total Basement Area 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 Age of House (in Years) 3 118 Lot Area (in Sqft) Distinct count of No of Bathrooms No of Bedrooms No of Floors