Project Development Phase
Model Performance Test

Date	24 July 2025
Team ID	PNT2025TMID09511
Project Name	Visualizing Housing Market Trends
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	All curated housing market datasets (including property listings, transactional pricing, spatial coordinates, and time series sales metrics) were fully loaded and accurately rendered with integrity-checks confirming the absence of null and anomalous entries.
2.	Data Preprocessing	Executed preprocessing routines encompassing deduplication, format harmonization of temporal and monetary fields, imputation of missing attributes, and relational integration with auxiliary datasets such as census-derived demographic variables.
3.	Utilization of Filters	Provisioned dynamic parameterized filtering on geographical hierarchies, price intervals, categorical property classifications, listing lifecycle statuses, and temporal windows, enabling multidimensional segmentation of market datasets for granular analysis.
4.	Calculation fields Used	Configured advanced calculated columns, including spatially-resolved price-per-unit-area computations, year-over-year differential metrics, rolling window aggregations (moving averages), and composite scoring algorithms for trend prioritization.
5.	Dashboard design	Constructed multi-panel, interactive dashboard environments featuring color-encoded temporal trends, geospatial heatmap overlays, and inline key performance indicator (KPI) summaries; interface design ensures adaptive responsiveness across desktop and tablet form factors.
6	Story Design	Orchestrated a sequential Tableau Storyboard workflow: macro-level market panorama, deep-dive analytical visualizations, identification of high-opportunity geospatial clusters, and synthesis of algorithmically-driven strategy recommendations, thus facilitating interpretive insight traversal for end users.