

Project Design Phase

Solution Architecture

Date	23 June 2025
Team ID	LTVIP2025TMID20843
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	4 Marks

Solution Architecture:

The solution architecture for this project involves transforming raw housing data into actionable insights using Tableau. Data is first pre-processed using Excel or Python to create meaningful fields like house age and renovation status. This cleaned data is then visualized through interactive dashboards featuring KPIs, filters, and charts. Users such as analysts and executives interact with these dashboards to identify pricing trends and renovation impacts. The solution is scalable, user-friendly, and can be extended to support live data sources in the future.

Example - Solution Architecture Diagram:

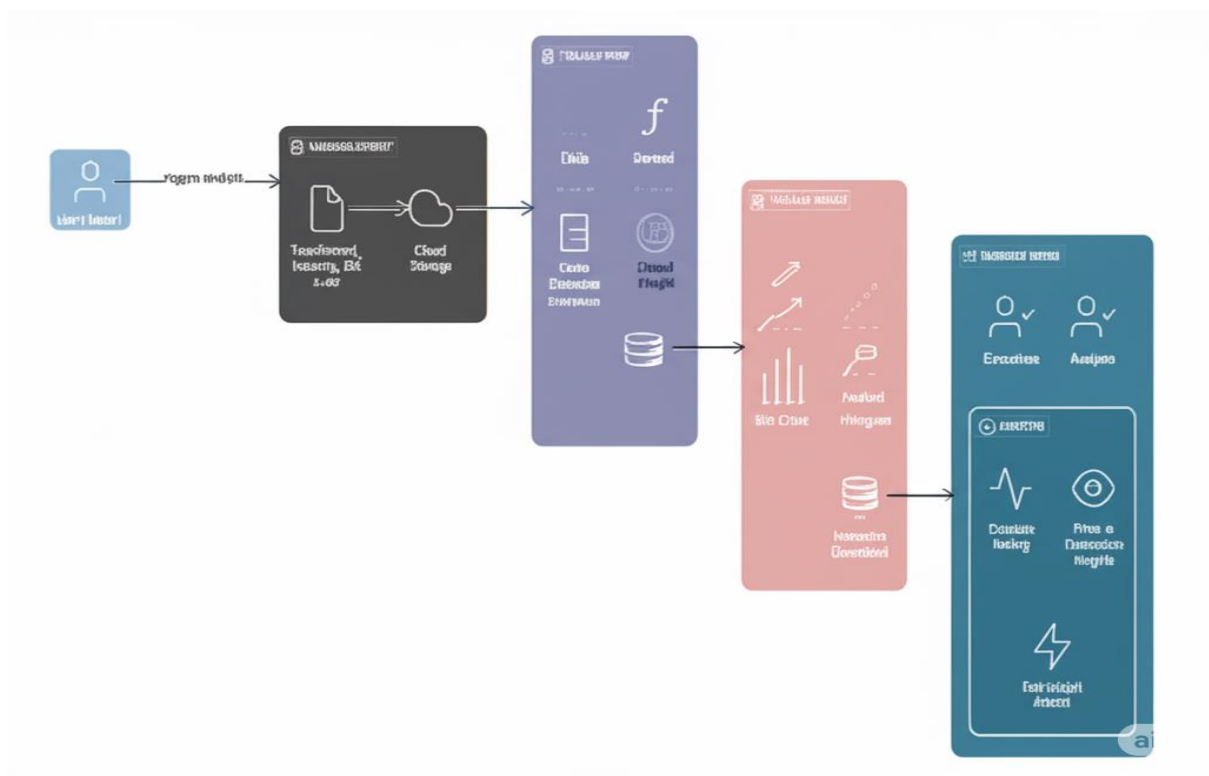


Figure 1: Architecture and data flow of the Visualizing Housing Market Trends.