

Project Design Phase-I Solution Architecture

Date	23 February 2026
Team ID	LTVIP2026TMIDS35942
Project Name	Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau
Maximum Marks	4 Marks

Solution Architecture:

The Solution Architecture defines the overall structural design of the proposed electricity consumption analysis system. It details how data is collected, processed, and transformed into meaningful visual insights using Tableau. The architecture illustrates the flow of data from the source layer through data processing and transformation to the interactive dashboard layer, ensuring accuracy, scalability, and reliable decision-making. This structured approach enables the delivery of a user-friendly, efficient, and data-driven analytical solution.

Solution Architecture Diagram:

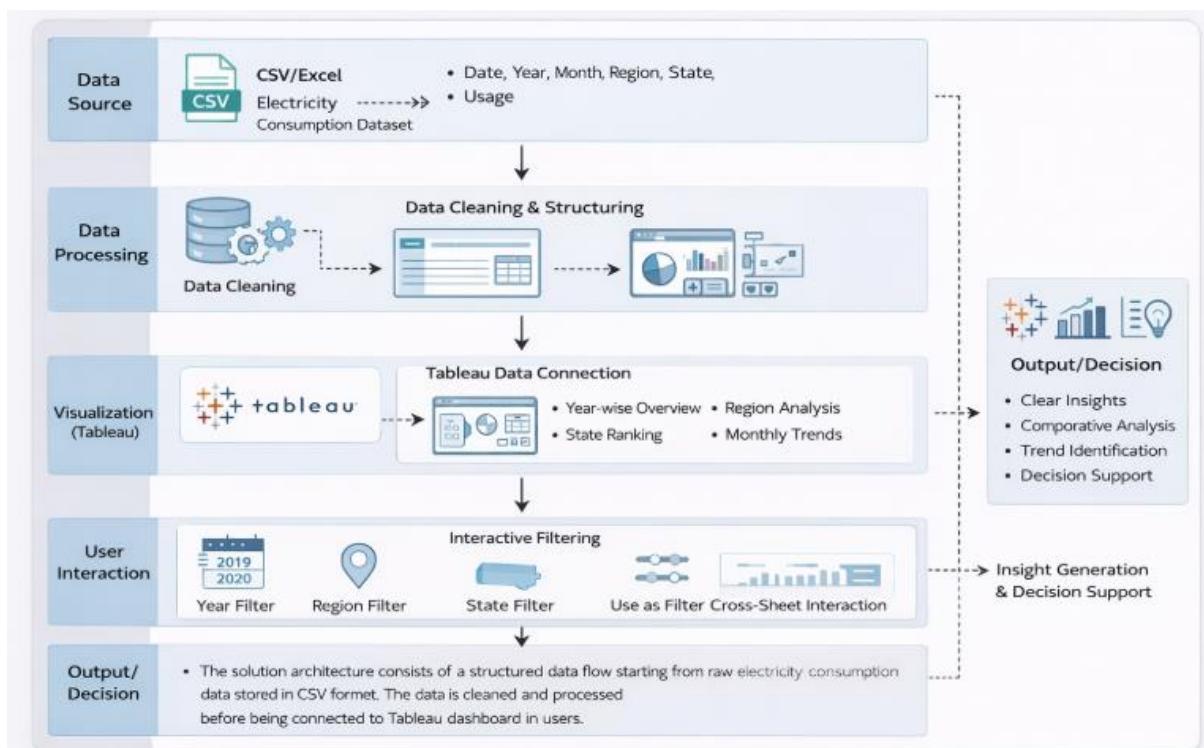


Figure 1: Solution Architecture Diagram for Electricity Consumption Analysis System