

# **Problem–Solution Fit**

## **Problem Description**

Electric Vehicle (EV) data is available from multiple sources, including vehicle specifications, efficiency metrics, pricing information, and charging infrastructure details. However, raw datasets are difficult to interpret and do not provide clear insights without visualization. Users struggle to compare EV performance, pricing, and charging availability effectively.

## **Identified Challenges**

- Data is distributed across multiple CSV files
- Lack of visual representation for analysis
- Difficulty in comparing global and Indian EV markets
- Complex technical data not easily understandable

## **Proposed Fit**

The project addresses these challenges by using Tableau to transform raw EV data into interactive dashboards and stories. Visual analytics allows users to quickly compare vehicles, analyze efficiency, and understand charging infrastructure.

## **Solution Fit Outcome**

The proposed solution aligns with user needs by:

- Providing interactive visual analysis
- Simplifying data interpretation
- Supporting data-driven decisions
- Improving understanding of EV trends