Solution Requirement Document

Project Objective

To develop an interactive data visualization system that analyzes Electric Vehicle datasets and presents meaningful insights using Tableau dashboards and stories.

Problem Statement

EV data is collected from multiple datasets but lacks a unified visualization for easy analysis. Users need a system that converts raw data into understandable visual insights.

Functional Requirements

- Import CSV datasets into Tableau

- Perform data cleaning and preprocessing

- Create visualizations (charts, maps, comparisons)

- Develop dashboards with filters

- Create stories for analysis flow

- Publish dashboards on Tableau Public

Non-Functional Requirements

- Easy-to-use dashboard interface

- Fast loading and smooth interaction

- Consistent design and readability

- Accurate data representation

Expected Results

Interactive dashboards and stories that provide insights into EV performance, pricing, efficiency, and charging infrastructure.