

Define Problem Statement

Introduction

Electric Vehicles (EVs) are becoming increasingly important in modern transportation due to environmental benefits and advancements in battery technologies. Large volumes of EV data are generated from different sources including vehicle specifications, pricing, performance metrics, and charging infrastructure information.

Problem Description

Although EV data is available, it is often distributed across multiple datasets and presented in raw tabular format. This makes it difficult for users to understand patterns, compare vehicle performance, and analyze market trends effectively. Manual analysis of such datasets is time-consuming and complex.

Problem Statement

How can multiple Electric Vehicle datasets be transformed into clear, interactive, and meaningful visualizations that allow users to analyze EV performance, pricing, efficiency, and charging infrastructure easily?

Objectives

- Integrate multiple EV datasets into a single analytical workflow.
- Convert raw data into visual insights using dashboards.
- Provide interactive analysis through filters and comparisons.
- Present insights using storytelling techniques.

Expected Solution

The project proposes a Tableau-based visualization system that converts raw EV datasets into interactive dashboards and stories to simplify understanding and support data-driven analysis.