



PROJECT METHODOLOGY

1. Data Collection

The dataset was collected from publicly available EV datasets containing information about EV brands, models, charging infrastructure, performance metrics, efficiency, and pricing.

2. Data Cleaning

- Removed null values
- Standardized brand names
- Converted units where necessary
- Structured data for visualization

3. Data Preparation

- Categorized brands by body style
- Segmented vehicles based on pricing
- Calculated average top speed and efficiency
- Grouped charging stations by region and type

4. Dashboard Development

- Designed interactive visualizations in Tableau
- Created maps using OpenStreetMap
- Developed performance comparison charts
- Built price analysis dashboards

5. Insight Generation

- Identified high infrastructure regions
- Compared efficiency across brands
- Analyzed affordability segments
- Evaluated powertrain distribution