# Electric Vehicle Adoption — Tableau Dashboard

**Project Purpose**

This project presents an “interactive Tableau dashboard” analyzing the adoption of Electric Vehicles (EVs) across regions.

The aim is to highlight growth trends, identify high-adoption areas, and explore factors influencing EV uptake.

The dashboard enables dynamic filtering and visual storytelling for business and policy insights.

**Tools & Technologies**

- Tableau (for dashboard design and interactivity)

- Excel (for data preparation and cleaning)

- GitHub (for project showcase)

**Skills Showcased**

- Building interactive dashboards with filters, KPIs, and drill-downs

- Designing clear visualizations (time series, geographic maps, breakdown by category)

- Data cleaning and preparation for visualization

- Storytelling with data for stakeholders (business + policy decisions)

**Dashboard Features**

* Trend Analysis → EV adoption over time, highlighting year-over-year growth
* Geographic Map → Visualizing adoption by region/country
* Vehicle Breakdown → Adoption by type (EV, Hybrid, Plug-in Hybrid)
* Dynamic Filters → Interactive controls for year, region, and vehicle type

**Key Insights**

- Adoption of EVs has grown steadily year after year.

- Certain regions show higher adoption due to supportive infrastructure and incentives.

- Breakdown by vehicle type shows emerging trends in Hybrid and Plug-in Hybrid adoption.

- The dashboard allows stakeholders to explore "what-if" scenarios quickly.

**Conclusion**

This project demonstrates strong - **data visualization and storytelling skills** - using Tableau.

It highlights the ability to convert raw EV adoption data into a professional, interactive dashboard that supports business and policy decisions.

The project also showcases - analytical thinking, Tableau proficiency, and **Excel-based data preparation, making it a strong portfolio piece for recruiter visibility.**