Title: Global Electric Vehicle Trends Dashboard

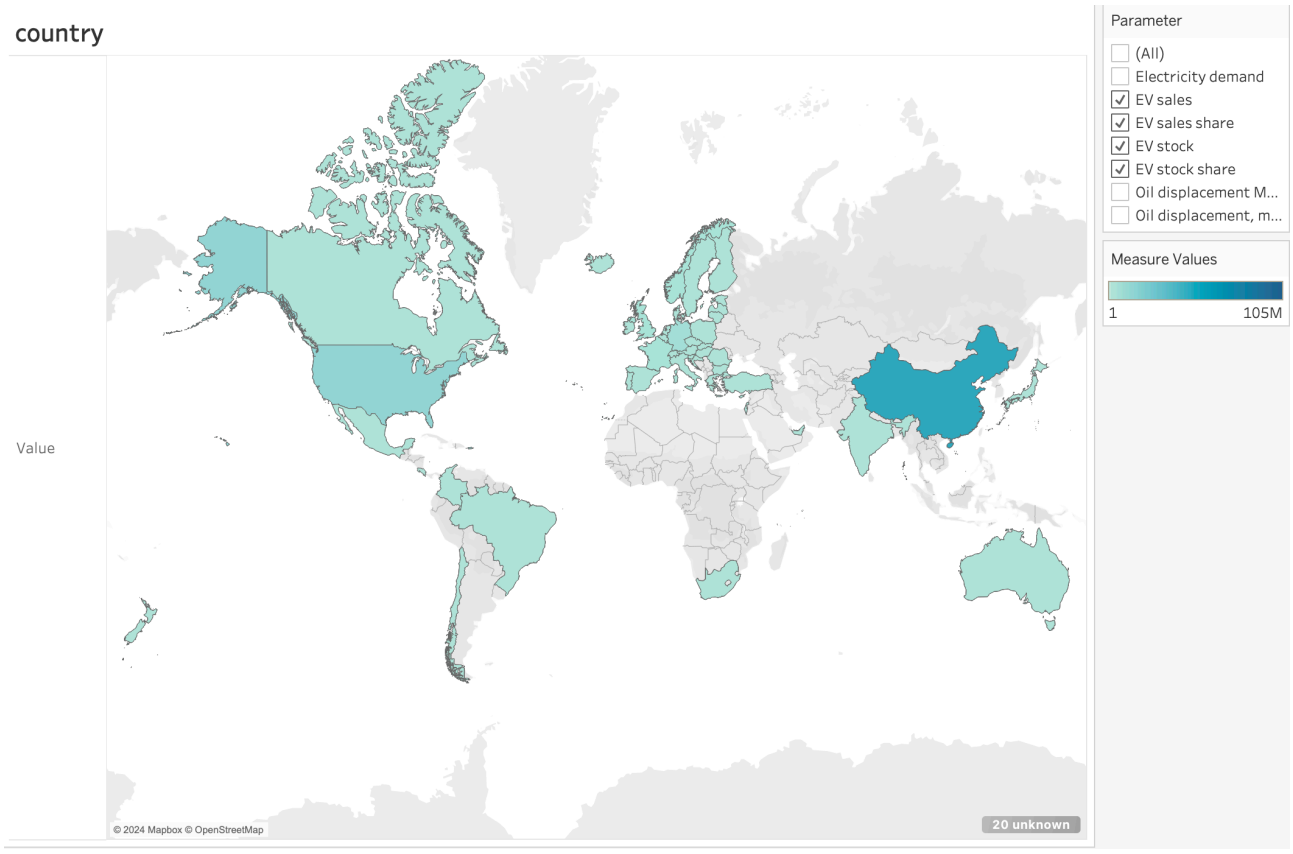
1. Introduction:

This document presents an analysis of global electric vehicle (EV) trends through a Tableau dashboard. The dashboard comprises three main visualizations: a world map showcasing EV sales by country, an area chart comparing EV stock and sales over time, and a bar graph categorizing cars by fuel type. The data spans from 2012 to 2023, allowing for a comprehensive view of the evolving landscape of electric vehicles worldwide.

2. Overview of Visualizations:

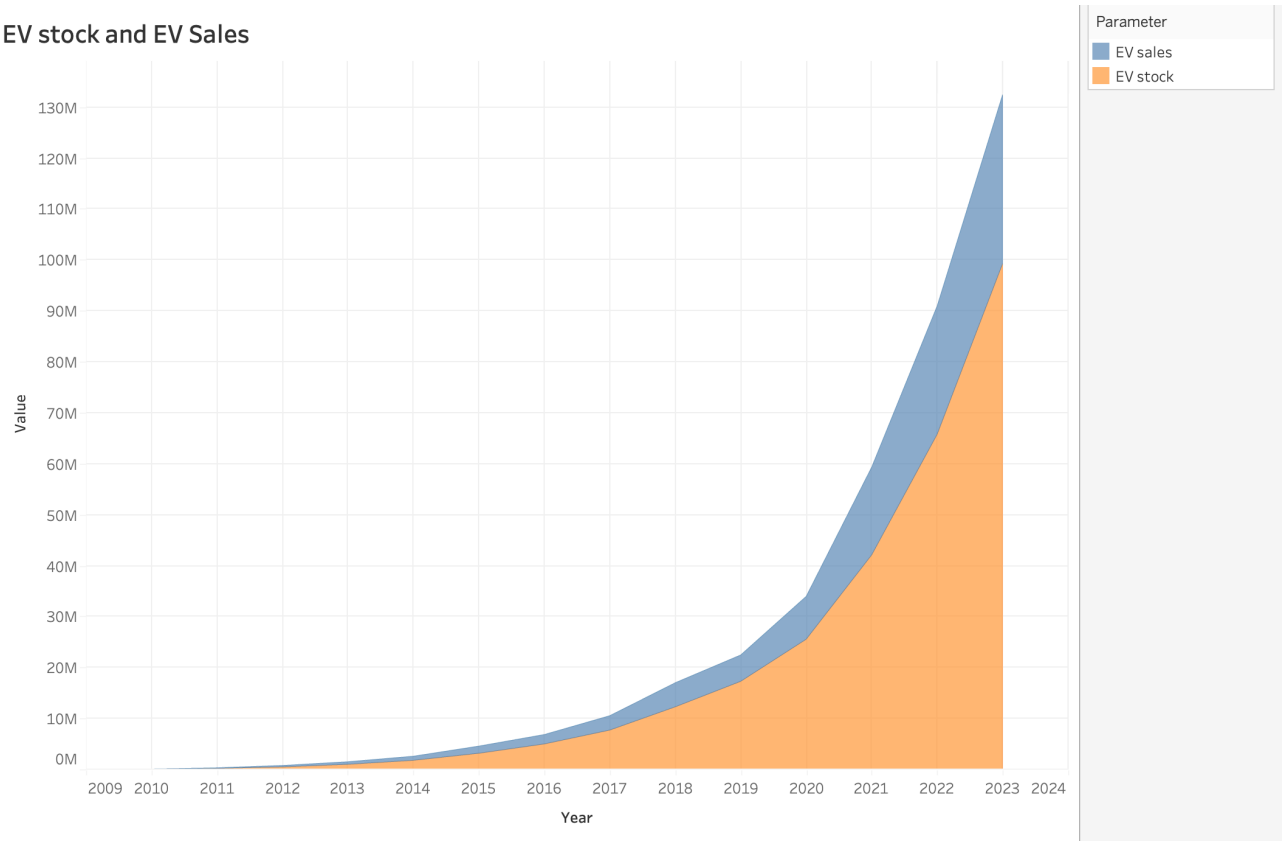
2.1 World Map - EV Sales by Country:

Description: The world map visualization displays the number of EVs sold country-wise, providing a global perspective on the adoption of electric vehicles. Users can interact with the map to view data for specific years and countries, enabling detailed analysis and comparisons.



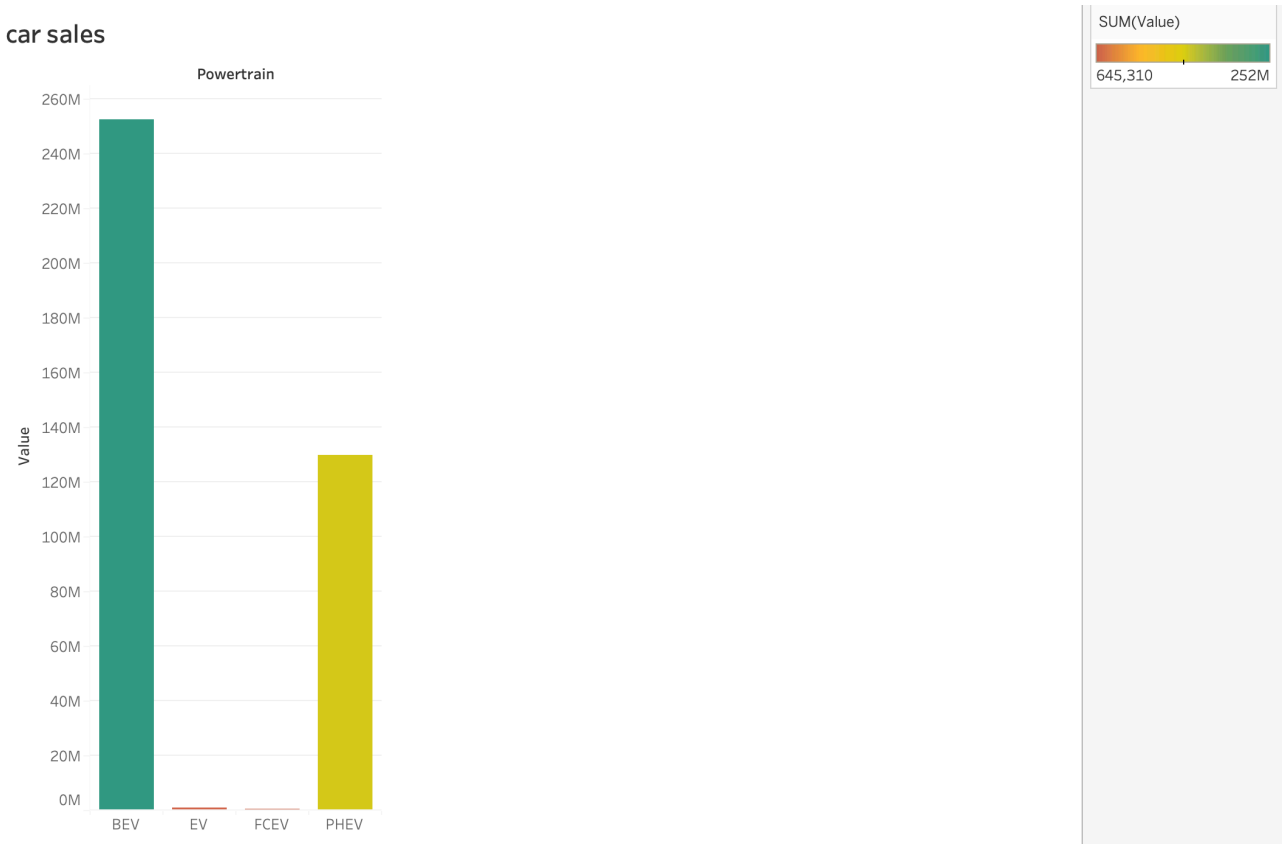
2.2 Area Chart - EV Stock and EV Sales over Time:

Description: The area chart compares EV stock (inventory) and EV sales trends over the years, offering insights into the growth trajectory and market dynamics of electric vehicles globally. The visualization allows users to track changes and patterns in both stock and sales figures.



2.3 Bar Graph - Cars by Fuel Type:

Description: The bar graph categorizes cars by fuel type, including EVs, hybrids, hydrogen fuel cell vehicles (HCEVs), and internal combustion engine (ICE) vehicles. This visualization provides a breakdown of the vehicle market by fuel type, aiding in understanding trends and market share shifts.



3. Data Interaction and Analysis:

Users can interact with the dashboard by selecting specific years or countries to delve deeper into the data. This interactive feature facilitates detailed analysis and allows users to uncover insights such as:

- Regional variations in EV adoption rates and market penetration.
- Growth patterns and trends in EV stock and sales across different regions and time periods.
- Comparison of fuel type preferences and market shares globally.

4. Key Insights and Findings:

- **Global Adoption Trends:** Analysis of EV sales data reveals the evolving trends in electric vehicle adoption globally, with certain regions and countries leading the way in terms of sales volume.
- **Market Dynamics:** The comparison between EV stock and sales provides insights into market dynamics, including inventory management, demand-supply trends, and growth projections.
- **Fuel Type Preferences:** The breakdown of cars by fuel type highlights consumer preferences and market share distribution, indicating the shift towards sustainable and alternative fuel technologies.

5. Implications and Future Outlook:

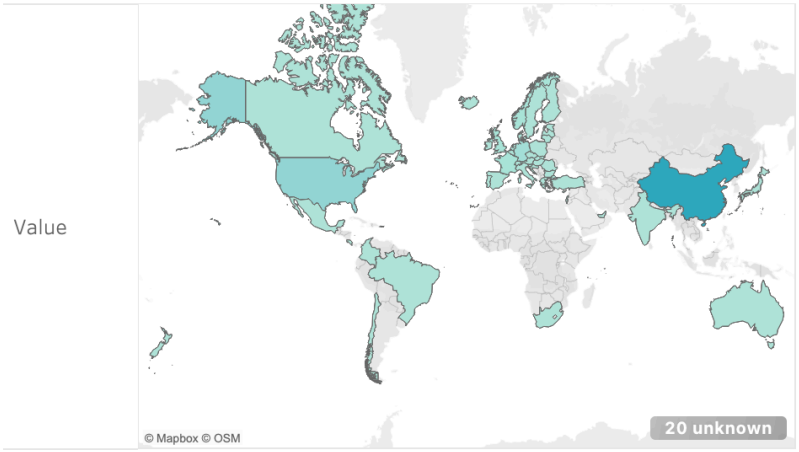
The insights gleaned from the dashboard have several implications for stakeholders in the automotive industry, policymakers, and investors. These include:

- Strategic planning for EV market entry and expansion based on regional demand and growth opportunities.
- Policy formulation to incentivize EV adoption, improve infrastructure, and address market challenges.
- Investment strategies aligned with evolving trends and market dynamics in the electric vehicle sector.

6. Conclusion:

In conclusion, the global electric vehicle trends dashboard provides a comprehensive view of the state of EV adoption worldwide. The interactive features, coupled with detailed visualizations, enable users to gain valuable insights into market trends, regional variations, and fuel type preferences, shaping the future of sustainable transportation on a global scale.

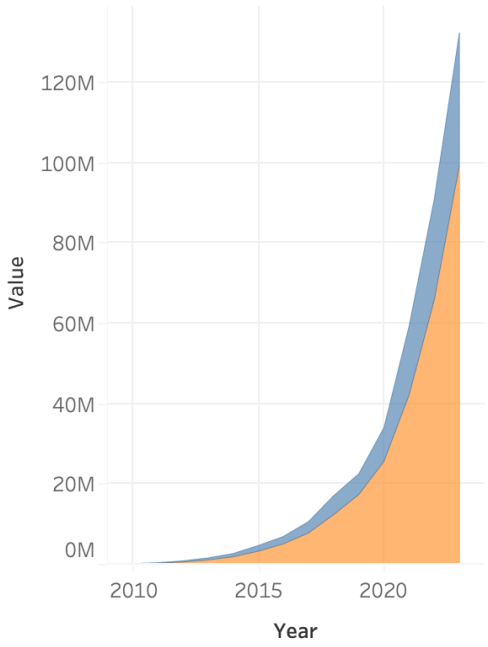
country



Value
645,310 252M

Year
2010 2023

EV stock and EV Sales



car sales