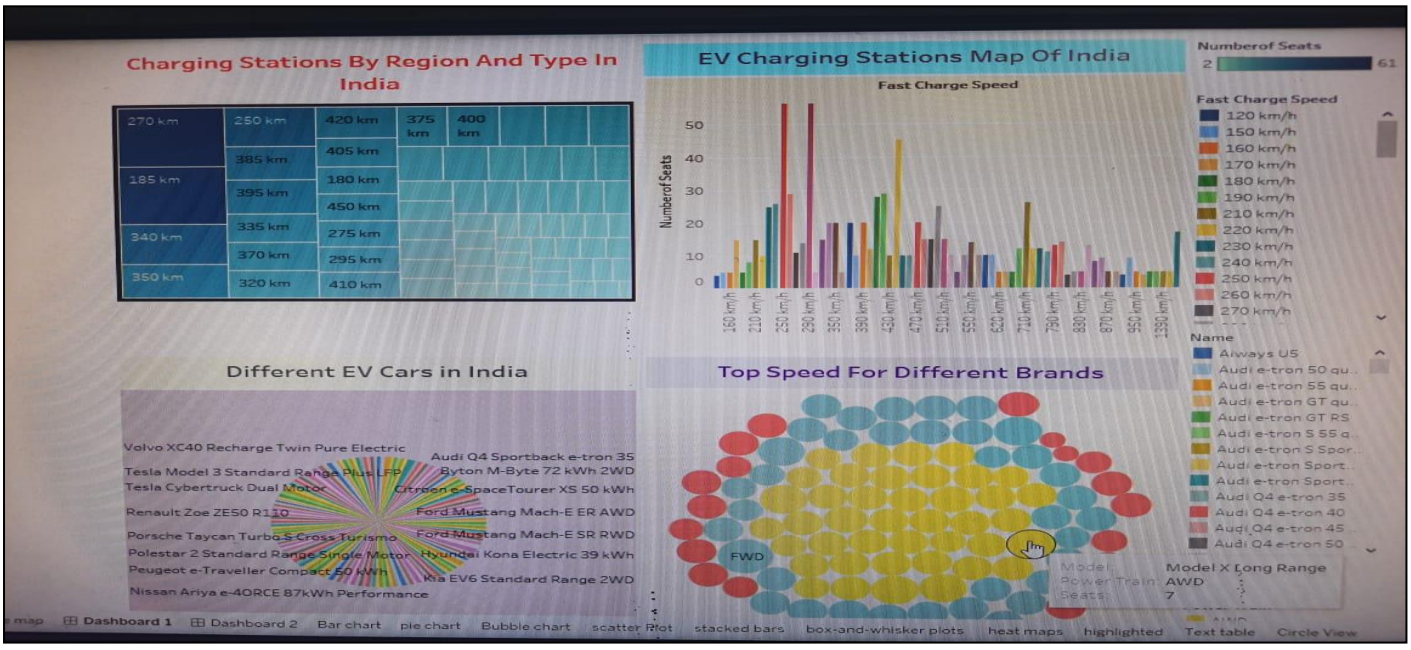
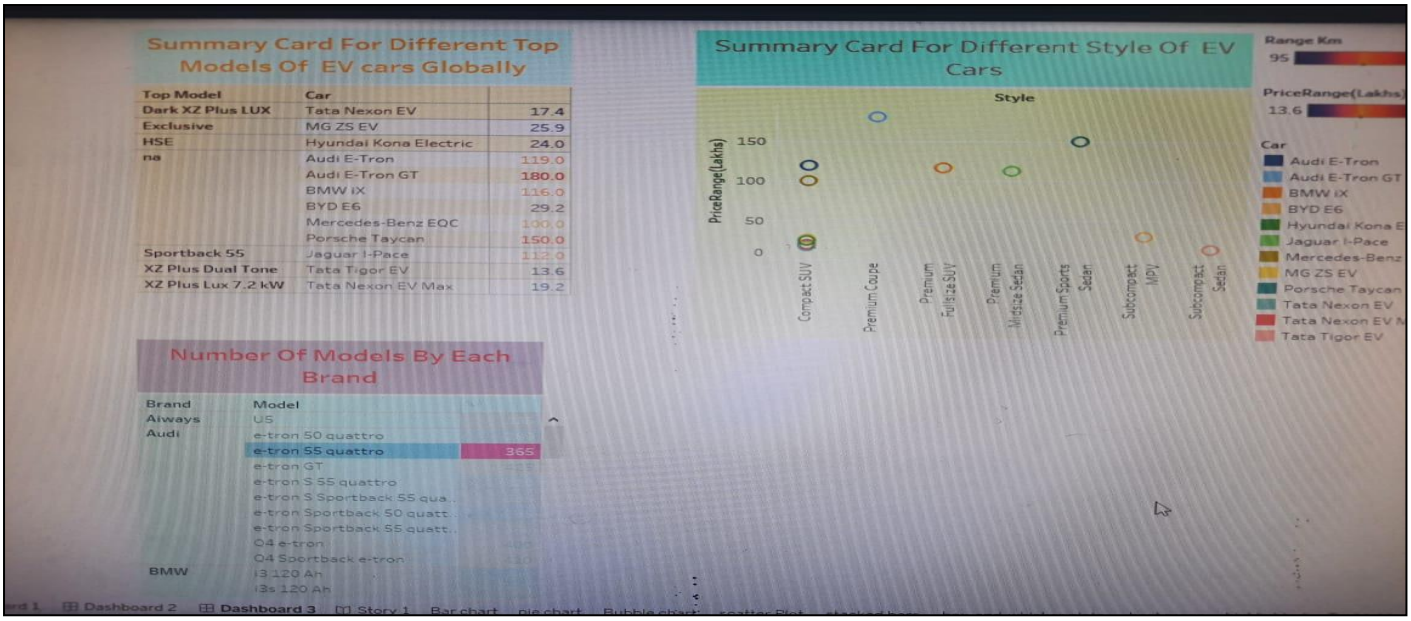
Dashboard Design

Date	20 March 2025
Team ID	LTVIP2025TMID26729
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis in Tableau
Maximum Marks	5 Marks

Activity 1: Interactive and visually appealing dashboards

Creating interactive and visually appealing dashboards involves a combination of thoughtful design, effective use of visual elements, and the incorporation of interactive features.





Here are five potential outcomes from the dashboard-1 image provided:

- **Understanding Charging Infrastructure:** The dashboard provides insights into the current state of EV charging infrastructure in India, including the distribution and speed of charging stations. This information can be used to identify areas with good charging coverage and areas that need improvement.

- **EV Market Analysis:** The list of EV cars and their top speeds offers a glimpse into the Indian EV market, highlighting the variety of models and brands available. This information can be used for market research and competitive analysis.

- **Consumer Information:** The dashboard can serve as a resource for consumers interested in EVs, providing information about charging options and vehicle performance.

- **Policy and Planning:** The data on charging infrastructure can inform policy decisions related to EV adoption and charging station development.

- **Potential Inaccuracies:** The image is a photo of a screen, so the data might not be entirely clear or accurate. There could be errors in the data or the way it's presented.

Here are five potential outcomes from the dashboard-2 image provided:

- **Price and Seating Capacity Comparison:** The "Price For different Cars" chart allows users to compare the prices and seating capacities of different car brands, which can be valuable for purchase decisions.

- **EV Efficiency Analysis:** The "Top Most Efficient EV Brands" chart highlights the most efficient EV models, helping consumers choose vehicles with better range and energy consumption.

- **Body Style vs. Seating Capacity:** The "Brands According To Bodystyle" chart provides insights into the seating capacity of different car types, which is useful for families or groups needing specific space requirements.

- **Power Train Selection:** The "Brand Filtered By Power Train Type" section allows users to filter car brands based on their drivetrain, which is essential for those seeking specific performance characteristics.

- **Interactive Data Exploration:** The interactive nature of the dashboard enables users to explore the data from different perspectives and filter information based on their needs.

Here are five potential outcomes from the dashboard-3 image provided:

- **Price Comparison:** The "Summary Card For Different Top Models Of EV Cars Globally" table allows users to quickly compare the prices of different EV models, aiding in purchase decisions.

- **Style-Based Pricing:** The "Summary Card For Different Style Of EV Cars" chart provides a visual representation of how price ranges vary across different EV car styles. This can help users understand the pricing trends in different segments.

- **Brand Portfolio:** The "Number Of Models By Each Brand" section highlights the range of EV models offered by different manufacturers, showcasing their focus on the EV market.

- **Range and Price Correlation:** The color-coded scales ("Range Km" and "PriceRange (Lakhs)") suggest that the dashboard might also allow users to explore the relationship between the range of an EV and its price.

- **Interactive Data Exploration:** The interactive nature of the dashboard, as suggested by the navigation options, allows users to filter, sort, and delve deeper into the data.