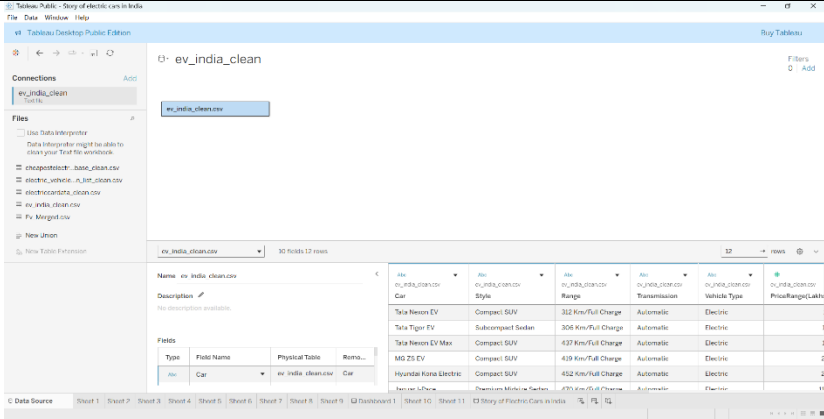
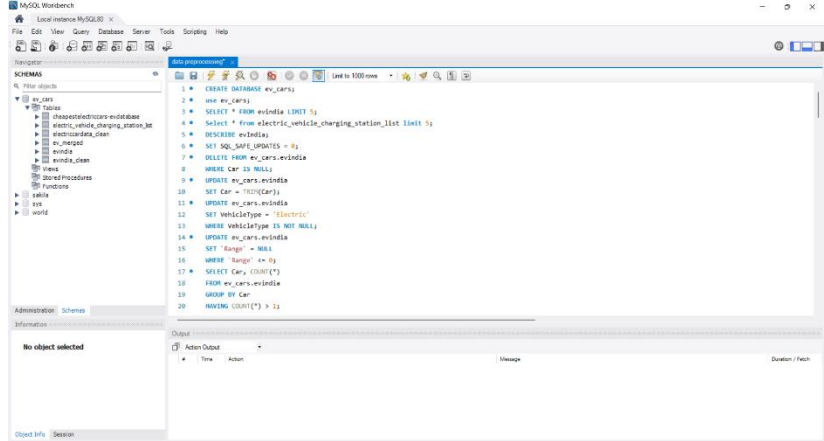
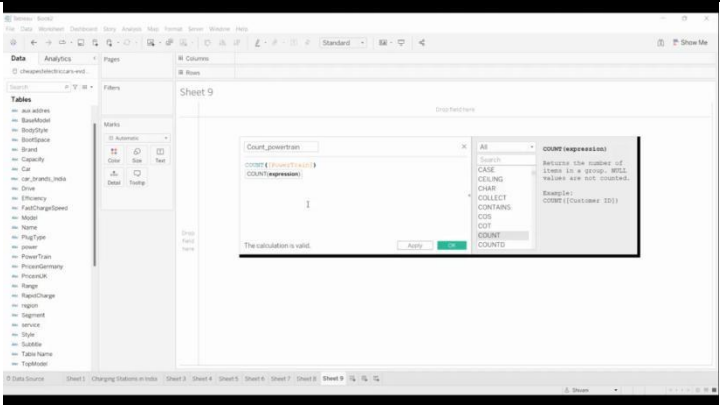


Project Development Phase Performance Test

Date	Feb 2026
Team ID	LTVIP2026TMIDS47701
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
Maximum Marks	

Model Performance Testing:

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	 <p>The screenshot shows a Tableau Desktop interface. On the left, the 'Connections' pane lists several data sources, including 'ev_india_clean.csv'. The main view displays a table titled 'ev_india_clean.csv' with 10 fields and 12 rows. The table columns are: Name, Car, Physical Title, Range, and PriceRange(Lakh). The data rows include vehicles like Tata Nexon EV, Tata Tiger EV, Tata Nexon EV Max, MG ZS EV, and Hyundai Kona Electric.</p>
2.	Data Preprocessing	 <p>The screenshot shows the MySQL Workbench interface. The 'SQL Editor' pane contains the following SQL queries:</p> <pre> 1. CREATE DATABASE ev_cars; 2. USE ev_cars; 3. SELECT * FROM ev_india LIMIT 10; 4. SELECT * FROM electric_vehicle_charging_station LIMIT 10; 5. DESCRIBE ev_india; 6. SET SQL_SAFE_UPDATES = 0; 7. DELETE FROM ev_cars.ev_india; 8. TRUNCATE ev_cars.ev_india; 9. UPDATE ev_cars.ev_india 10. SET Car = 'Tata'; 11. UPDATE ev_cars.ev_india 12. SET VehicleType = 'Electric'; 13. WHERE VehicleType IS NOT NULL; 14. UPDATE ev_cars.ev_india 15. SET 'Range' = NULL; 16. WHERE 'Range' <= 0; 17. SELECT Car, COUNT(*) 18. FROM ev_cars.ev_india 19. GROUP BY Car; 20. SHOWING COUNT(*) > 1; </pre>
3.	Utilization of Filters	<p>Filters were used effectively to allow users to interact with the data. Filters such as EV brand, vehicle model, range, battery capacity, and price range were applied. These filters help users customize the dashboard view and analyze specific electric vehicle characteristics easily.</p>

4.	Calculation fields Used	
5.	Dashboard design	<p>The dashboard is designed to be simple, interactive, and user-friendly. Multiple visualizations are combined into a single dashboard to provide a complete overview.</p> <p>No. of Visualizations / Graphs: 5</p> <ul style="list-style-type: none"> ✓ Top Speed for Different Brands ✓ Different Electric Brands Of India ✓ Brands According to Body Style ✓ Top 10 Most Effective Brands in India ✓ Brands Filtered by PowerTrain Type
6.	Story Design	<p>A Tableau story was created to present insights in a structured and sequential manner. The story guides users from basic EV range understanding to advanced charge and station analysis, making the insights easy to follow.</p> <p>No. of Visualizations / Graphs: 4</p> <p>Story flow includes:</p> <ul style="list-style-type: none"> • EV range overview • Charging performance comparison • Charging station availability • Final insights and observations