

Visualization Tool for Electric Vehicle
Charge and Range
Analysis

Milestone 1: Define Problem / Problem Understanding

Activity 1: Specify the business problem

A vehicle that can be powered by an electric motor that draws electricity from a battery and is capable of being charged from an electric source and have an electric motor instead of an internal combustion engine.

The Electric Vehicle(EV) is not new, but it has been receiving significantly more attention in recent years. Advances in both EV analytics and battery technologies have led to increased automotive market share. However, this growth is not attributed to hardware alone. The modern mechatronic vehicle marries electrical storage and propulsion systems with electronic sensors, controls, and actuators, integrated closely with software, secure data analysis, to form a comprehensive transportation solution. Advances in all the areas have contributed to the overall rise of EV's, but the common thread that runs through all these elements is data analytics.

The new EV's are combined Electrical storage and propulsion systems with electronic sensors, controls, and actuators, integrated closely with software, secure data transfer to form a comprehensive transportation solution.

Activity 2: Business requirements

The business requirements for analyzing the performance and efficiency of Electric cars include identifying KPIs, comparing performance across different parameters and brands also, identifying patterns and trends over time, identifying affecting factors, creating interactive dashboards and reports, identifying areas for improvement, making data-driven decisions, comparing to industry average and creating forecasting models for future performance. The ultimate goal is to gain insights and improve performance through data visualization techniques.

Activity 3: Literature Survey (Student Will Write)

A literature survey is a method of researching existing literature and studies related to a specific topic. In the context of analyzing the performance and efficiency of electric vehicles, a literature survey would involve reviewing studies and articles that have been published on the topic of hotel performance and efficiency, as well as studies specific to electric vehicles. The literature survey would include sources such as academic journals, industry reports, and online articles. It would aim to identify key performance indicators (KPIs) and metrics that are commonly used to measure hotel performance and efficiency, as well as any best practices or strategies that have been identified for improving performance. The literature survey would also explore any existing research on electric vehicles specifically, and would aim to identify any unique challenges or opportunities that the electric vehicles faces in terms of performance and efficiency.

Activity 4: Social or Business Impact.

Social Impact: By solving or helping to solve the biggest issue in EV market. More people will understand and but the EV instead of ICE's.

Business Model/Impact: This project can provide the insights for the Car/Battery Manufacturers and it can also provide the insights for the people who are using the EV or Thinking to enter in EV Market.

Milestone 2: Data Collection & Extraction from Database

Data collection is the process of gathering and measuring information on variables of interest, in an established systematic fashion that enables one to answer stated research questions, test hypotheses, and evaluate outcomes and generate insights from the data.

Activity 1: Collect the dataset

Activity 1.1: Understand the data

Data contains all the meta information regarding the columns described in the CSV files. we have provided 4 CSV files:

1. EVIndia
2. Electric_vehicle_charging_station_list
3. ElectricCarData_Clean
4. Cheapestelectriccars - EVDatabase

Column Description for EVIndia

1. Car - Car Brand name and model
2. Style Range - Style range of car
3. Transmission- Transmission type
4. VehicleType – Type of vehicle
5. PriceRange(Lakhs) - Price Range in Lakhs
6. Capacity - Capacity of car
7. BootSpace – Bootspace of the car
8. BaseModel – Base model name
9. TopModel – Top model name

The screenshot shows the Tableau Data Source interface. On the left, there's a sidebar with 'Connections' (EVIndia.csv, Microsoft Excel) and 'Sheets' (EVIndia). The main area displays a preview of the 'EVIndia' sheet with 10 fields and 12 rows. The preview shows columns like Car, Style, Range, Transmission, Vehicle Type, PriceRange(Lakhs), Capacity, and Boot Space. Below the preview, there's a table with data rows. At the bottom, there's a navigation bar with icons for Data Source, Sheet 1, and other options.

Car	Style	Range	Transmission	Vehicle Type	PriceRange(Lakhs)	Capacity	Boot Space
Tata Nexus EV	Compact SUV	312 Km/Full Charge	Automatic	Electric	17400	5 Seater	350 L
Tata Tigor EV	Subcompact Sedan	306 Km/Full Charge	Automatic	Electric	13,640	5 Seater	316 L
Tata Nexus EV Max	Compact SUV	437 Km/Full Charge	Automatic	Electric	19,240	5 Seater	350 L
MG ZS EV	Compact SUV	419 Km/Full Charge	Automatic	Electric	25,880	5 Seater	448 L
Hyundai Kona Electric	Compact SUV	452 Km/Full Charge	Automatic	Electric	23,980	5 Seater	na
Jaguar I-Pace	Premium Midsize Sedan	470 Km/Full Charge	Automatic	Electric	112,000	5 Seater	656 L
Audi E-Tron GT	Premium Coupe	388 Km/Full Charge	Automatic	Electric	180,000	5 Seater	405 L
BYD E6	Subcompact MPV	415 Km/Full Charge	Automatic	Electric	29,150	5 Seater	580 L
Mercedes-Benz EQC	Compact SUV	471 Km/Full Charge	Automatic	Electric	100,000	5 Seater	na

Column Description for Electric vehicle charging station list:

1. region: This column represents the region of the charging station.
2. address: This column represents the address of the charging station.
3. aux address: This column represents the auxiliary address of the charging station.
4. latitude: This column represents the latitude of the charging station.
5. longitude: This column represents the longitude of the charging station
6. type: This column represents the type of the charging station.
7. power: This column represents the power of the charging station.
8. service: This column represents the type of service at the charging station.

The screenshot shows the Tableau Data Source interface. On the left, the 'Connections' section lists 'electric_vehicle_charging_stati (Microsoft Excel)'. The main area displays the 'electric_vehicle_charging_stati' table with 8 fields and 202 rows. The table has columns: Region, Address, Aux Address, Latitude, Longitude, and Type. A 'Table Details' sidebar is open, showing the schema for each column. At the bottom, there are tabs for 'Data Source' (selected), 'Sheet 1', and other worksheet icons.

Region	Address	Aux Address	Latitude	Longitude	Type
NDMC	Prithviraj Market, Rabindra N...	Electric Vehicle Charger. Prit...	28.6007	77.2263	DC-001
NDMC	Prithviraj Market, Rabindra N...	Electric Vehicle Charger. Prit...	28.6007	77.2263	DC-001
NDMC	Outside RWA Park, Jor Bagh ...	Electric Vehicle Charger. Out...	28.5883	77.2177	DC-001
NDMC	Opposite Dory Pharmacy, Kh...	Electric Vehicle Charger. Opp...	28.5827	77.2201	DC-001
NDMC	Opposite Goel Opticals, Khan...	Electric Vehicle Charger. Opp...	28.5845	77.2203	DC-001
NDMC	Dharma Marg, Block Y, Dipl...	Electric Vehicle Charger. Dha...	28.6024	77.1866	DC-001
NDMC	Outside Westend Vedi Tailors...	Electric Vehicle Charger. Out...	28.6337	77.2181	DC-001
NDMC	Near NDMC Office, Fire Briga...	Electric Vehicle Charger. Nea...	28.6304	77.2256	DC-001
NDMC	Near Bikanervala, Yashwant ...	Electric Vehicle Charger. Nea...	28.5839	77.1634	DC-001

Column Description for ElectricCarData Clean:

1. Brand

2. Model
3. AccelSec
4. TopSpeed_KmH
5. Range_Km
6. Efficiency_WhKm
7. FastCharge_KmH
8. RapidCharge
9. PowerTrain
10. PlugType
11. BodyStyle
12. Segment
13. Seats
14. PriceEuro

Tableau - Book1 - Tableau license expires in 13 days

File Data Server Window Help

Connections Add

ElectricCarData_Clean Microsoft Excel

Sheets

Use Data Interpreter
Data Interpreter might be able to clean your Microsoft Excel workbook.

ElectricCarData_Clean

New Union

New Table Extension

ElectricCarData_Clean (ElectricCarData_Clean)

Connection Live Extract Filters 0 | Add

ElectricCarData_Clean

Need more data?
Drag tables here to relate them. [Learn more](#)

ElectricCarData_Clean 14 fields 103 rows 100 rows

Brand	Model	Accel Sec	TopSpeed KmH	Range Km	Efficiency WhKm	FastCharge KmH
Tesla	Model 3 Long Range Dual Mo...	4.6000	233	450	161	940
Volkswagen	ID.3 Pure	10.0000	160	270	167	250
Polestar	2	4.7000	210	400	181	620
BMW	iX3	6.8000	180	360	206	560
Honda	e	9.5000	145	170	168	190
Lucid	Air	2.8000	250	610	180	620
Volkswagen	e-Golf	9.6000	150	190	168	220
Peugeot	e-208	8.1000	150	275	164	420
Tesla	Model 3 Standard Range Plus	5.6000	225	310	153	650

Data Source Sheet1

ENG IN 26-04-2023 20:04

Column Description for Cheapestelectriccars-EVDatabase:

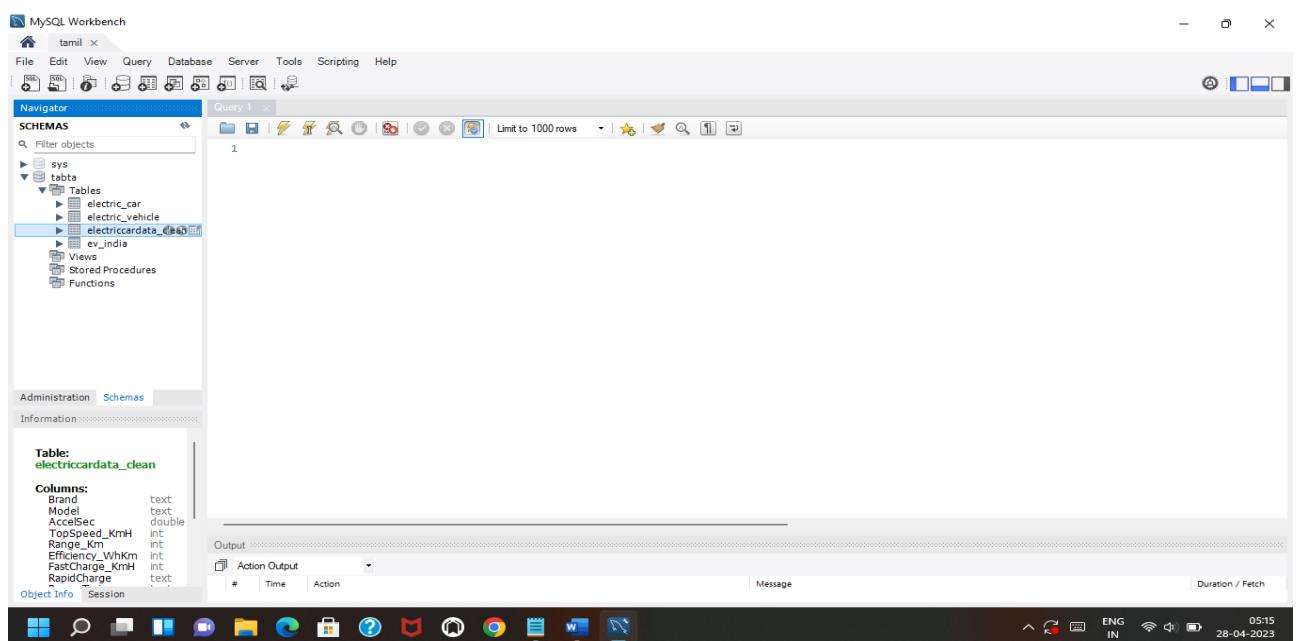
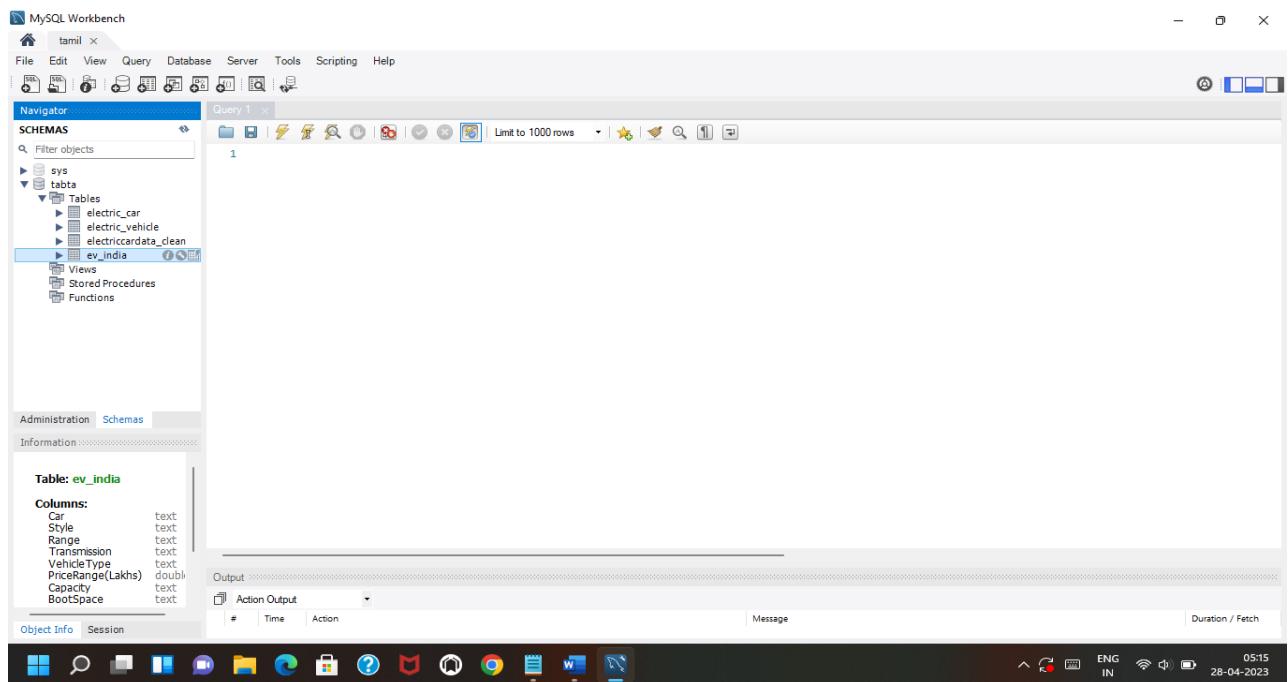
1. Name
2. Subtitle
3. Acceleration
4. TopSpeed
5. Range
6. Efficiency
7. FastChargeSpeed
8. Drive
9. NumberofSeats
10. PriceinGermany
11. PriceinUK

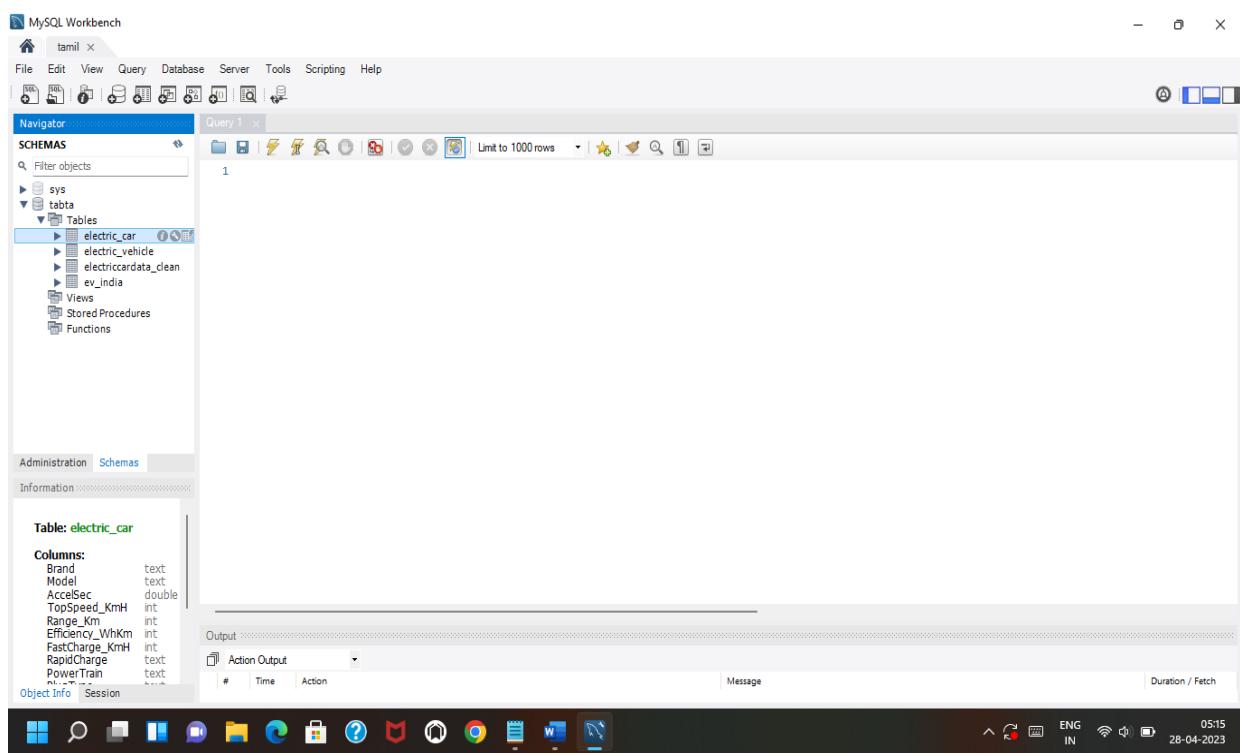
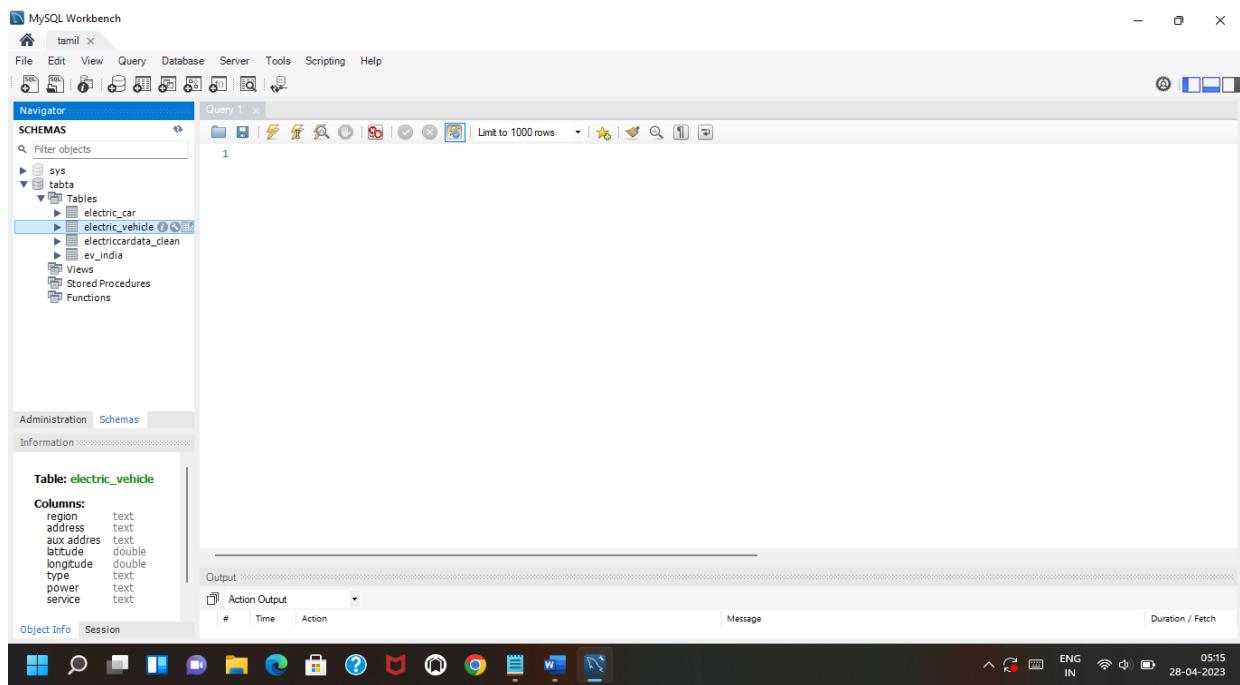
The screenshot shows the Tableau Data Source interface. On the left, the 'Connections' pane lists 'Cheapestelectriccars-EVDatabase (1) Microsoft Excel'. Below it, the 'Sheets' pane shows 'Cheapestelectriccars-EVDatabase'. The main workspace displays a table titled 'Cheapestelectriccars-EVDatabase' with 11 fields and 180 rows. The table details pane on the right shows the following data:

Name	Subtitle	Acceleration	Top Speed	Range	Efficiency
Opel Ampera-e	Battery Electric Vehicle ...	7.3 sec	150 km/h	335 km	173 Wh/km
Renault Kangoo Maxi ZE 33	Battery Electric Vehicle ...	22.4 sec	130 km/h	160 km	194 Wh/km
Nissan Leaf	Battery Electric Vehicle ...	7.9 sec	144 km/h	220 km	164 Wh/km
Audi e-tron Sportback 55 qu...	Battery Electric Vehicle ...	5.7 sec	200 km/h	375 km	231 Wh/km
Porsche Taycan Turbo S	Battery Electric Vehicle ...	2.8 sec	260 km/h	390 km	215 Wh/km
Nissan e-NV200 Evalia	Battery Electric Vehicle ...	14.0 sec	123 km/h	165 km	218 Wh/km
Volkswagen ID.3 Pure Perform...	Battery Electric Vehicle ...	8.9 sec	160 km/h	275 km	164 Wh/km
BMW iX3	Battery Electric Vehicle ...	6.8 sec	180 km/h	385 km	192 Wh/km
Nissan Leaf e+	Battery Electric Vehicle ...	7.3 sec	157 km/h	325 km	172 Wh/km

Activity 2: Storing Data in DB & Perform SQL Operations

Database Creation:





Basic SQL Operations

The screenshot shows the MySQL Workbench interface with the following details:

- File Bar:** File, Edit, View, Query, Database, Server, Tools, Scripting, Help.
- Toolbar:** Includes icons for New, Open, Save, Print, Copy, Paste, Find, and Execute.
- Navigator:** Shows the schema 'tamil' with tables: cheapelectriccars-evc, electric_vehicle_charging, electriccardata_clean, and evindia.
- Query Editor:** Title 'Query 1'. Contains the following SQL code:

```
1 • select * from evindia;
2 • select * from electriccardata_clean;
3 • select * from electriccardata_clean where PowerTrain = 'AHD';
4 • select * from electriccardata_clean where PowerTrain = 'AHD';
```
- Result Grid:** Displays a table of vehicle data with columns: Car, Style, Range, Transmission, VehicleType, PriceRange(Lakhs), Capacity, BootSpace, BaseModel, and TopModel. The data includes various electric vehicles like Tata, MG, Hyundai, etc.
- Output Panel:** Shows the executed query and its duration: 66 20:55:28 select * from electriccardata_clean LIMIT 0,1000 and 0.000 sec / 0.000 sec.
- System Tray:** Shows system status including ENG IN, 20:56, and 26-04-2023.

The screenshot shows the MySQL Workbench interface. In the top navigation bar, there are two tabs: "Local instance MySQL80 (tamil)" and "Local instance MySQL80 (tam...)".

The "Query 1" tab is active, containing the following SQL code:

```

1 • select * from evindia;
2 • select * from electriccardata_clean;
3 • select * from electriccardata_clean where PowerTrain = 'AND';
4 • select * from electriccardata_clean where PowerTrain = 'AND';

```

The "Result Grid" pane displays a table with the following columns: Brand, Model, AccelSec, TopSpeed_KmH, Range_Km, Efficiency_WhKm, FastCharge_KmH, RapidCharge, PowerTrain, PlugType, BodyStyle, Segment, Seats, and PriceEur. The data includes entries for Tesla, Volkswagen, Polestar, BMW, Honda, Lucid, and others.

The bottom status bar shows the message "12 row(s) returned".

Activity 3: Connect DB with Tableau

The screenshot shows the Tableau Data Source interface. The top menu bar includes "File", "Data", "Server", "Window", and "Help".

The left sidebar shows "Connections" with "127.0.0.1 MySQL" selected. Below it are "Database" (tabta), "Table" (electric_car+), and other options like "New Custom SQL" and "New Union".

The main workspace displays a connection to "electric_car+" (tabta). The connection status is "Extract" (radio button selected). The data preview shows 33 fields and 410 rows. A table view lists columns: Name, electric_car+, Type, Field Name, Physical Table, and Remote Fi... . The data grid shows rows for Tesla, Volkswagen, Polestar, BMW, Honda, Lucid, Volkswagen, Peugeot, and Tesla.

The bottom status bar shows the message "12 row(s) returned".

Milestone 3: Data Preparation

Activity 1: Prepare the Data for Visualization

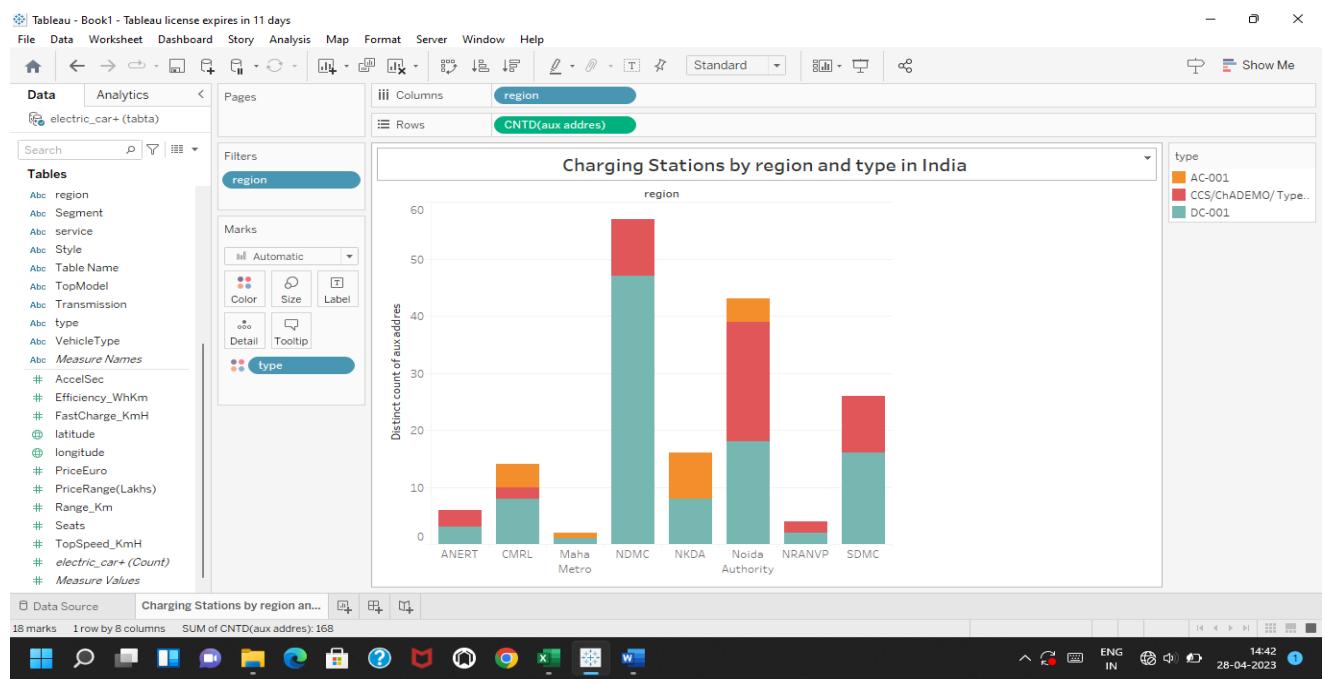
Preparing the data for visualization involves cleaning the data to remove irrelevant or missing data, transforming the data into a format that can be easily visualized, exploring the data to identify patterns and trends, filtering the data to focus on specific subsets of data, preparing the data for visualization software, and ensuring the data is accurate and complete. This process helps to make the data easily understandable and ready for creating visualizations to gain insights into the performance and efficiency.

Milestone 4: Data Visualization

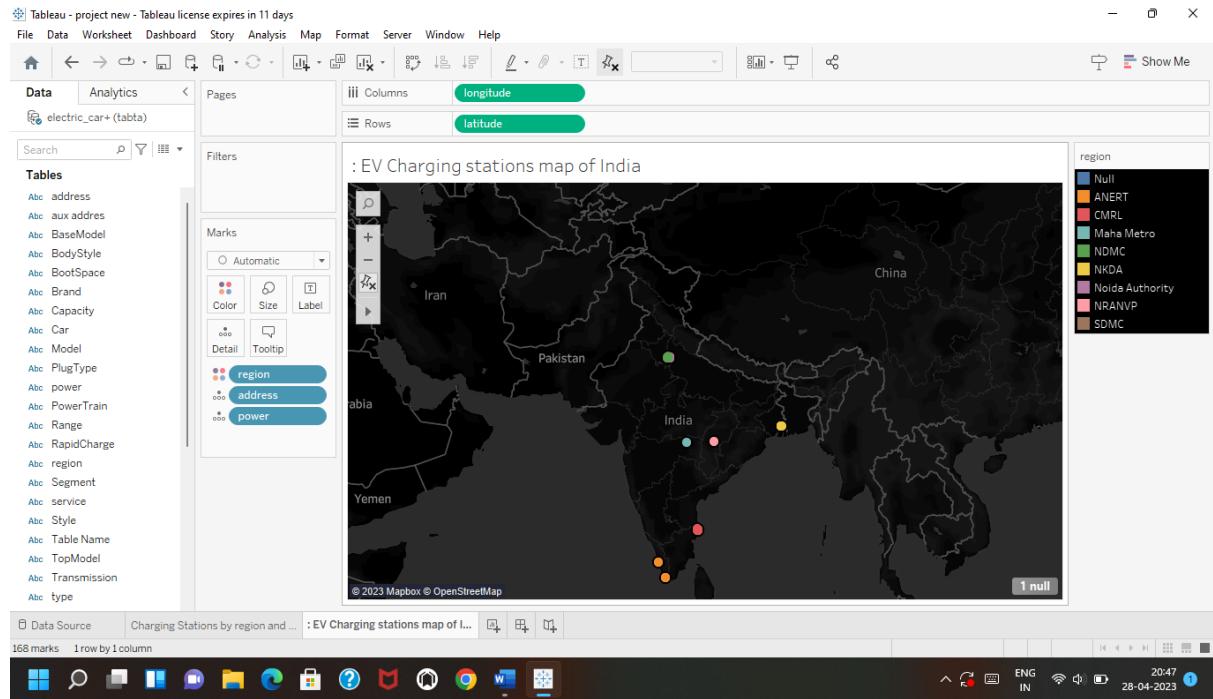
Data visualization is the process of creating graphical representations of data in order to help people understand and explore the information. The goal of data visualization is to make complex data sets more accessible, intuitive, and easier to interpret. By using visual elements such as charts, graphs, and maps, data visualizations can help people quickly identify patterns, trends, and outliers in the data.

Activity 1: No of Unique Visualizations

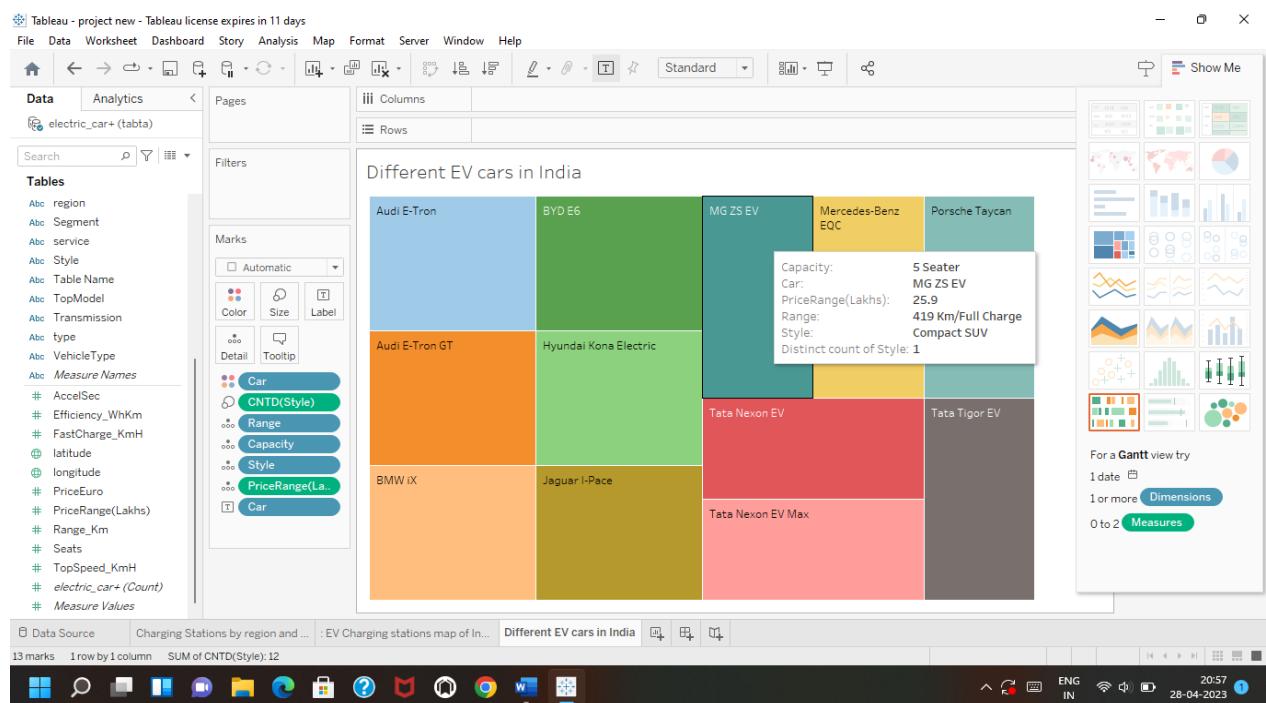
Activity 1.1: Charging Stations by region and type in India



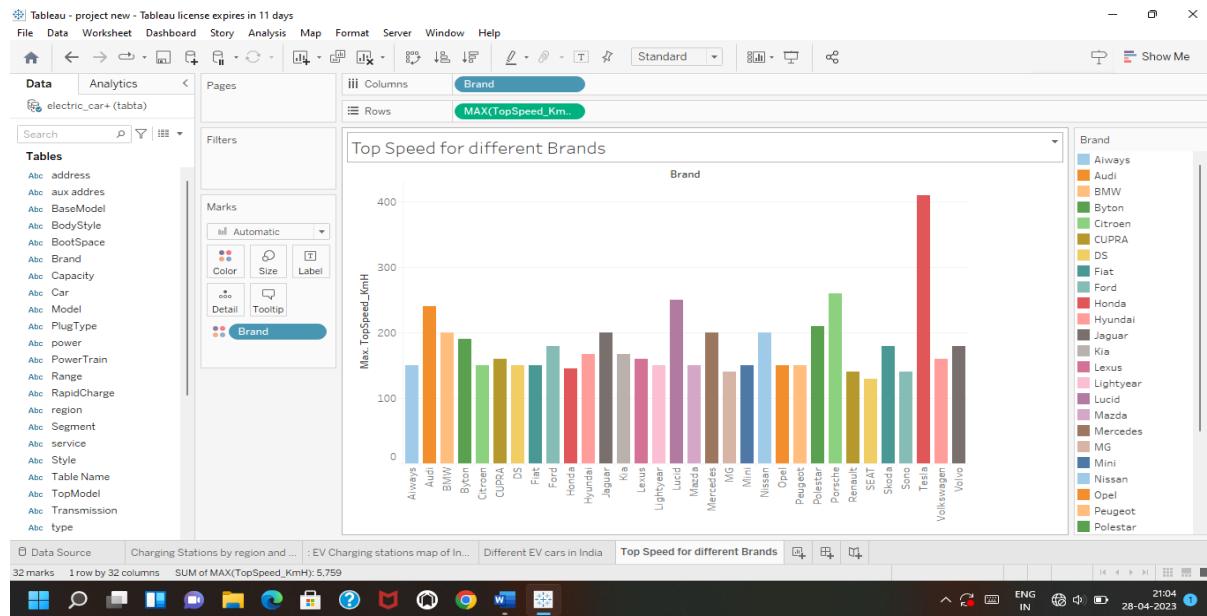
Activity 1.2: EV Charging stations map of India



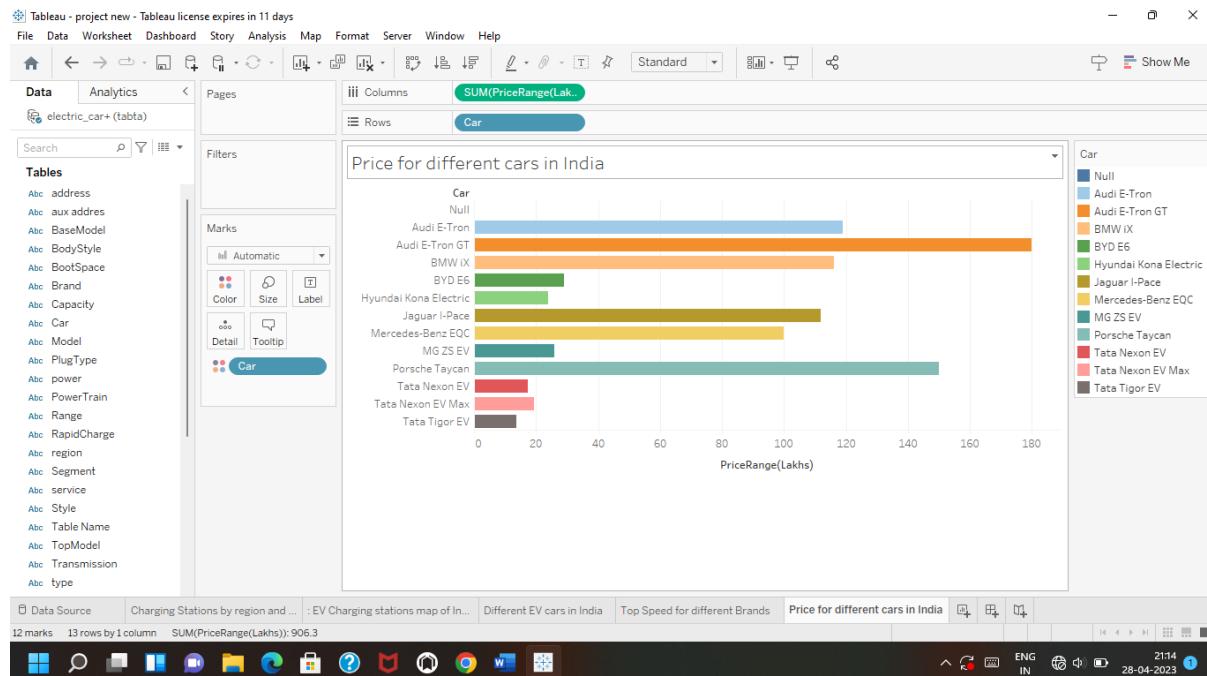
Activity 1.3: Different EV cars in India



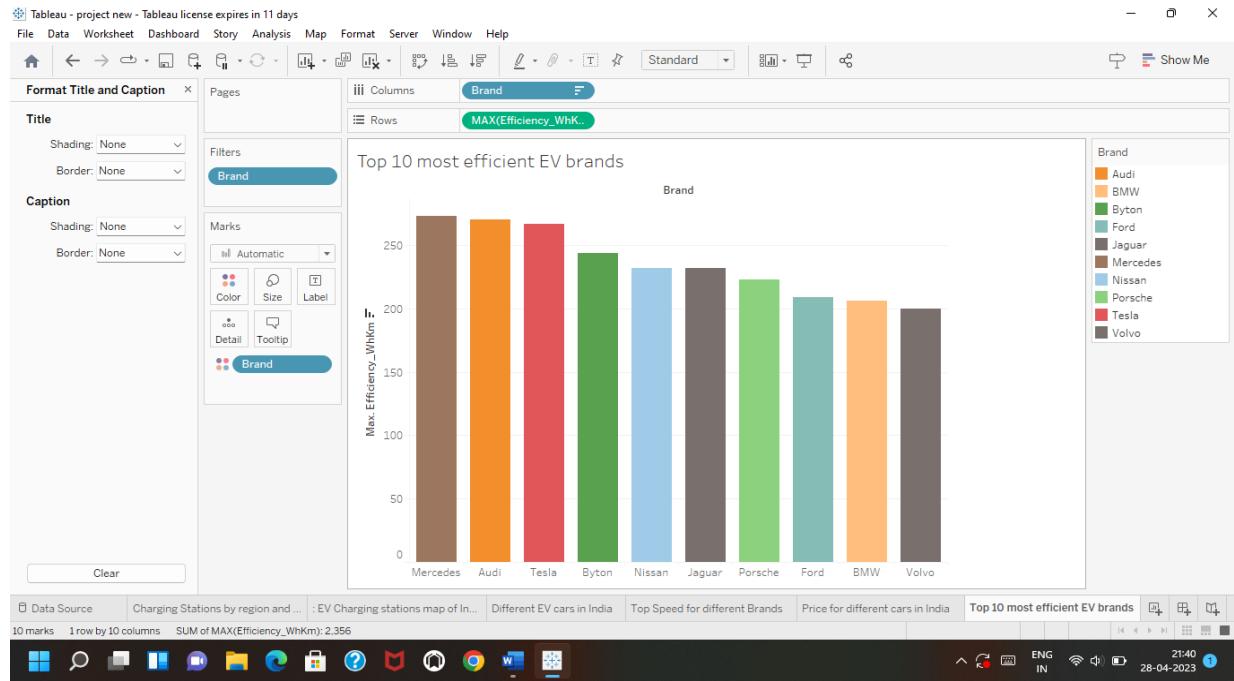
Activity 1.4: Top speed for different Brands



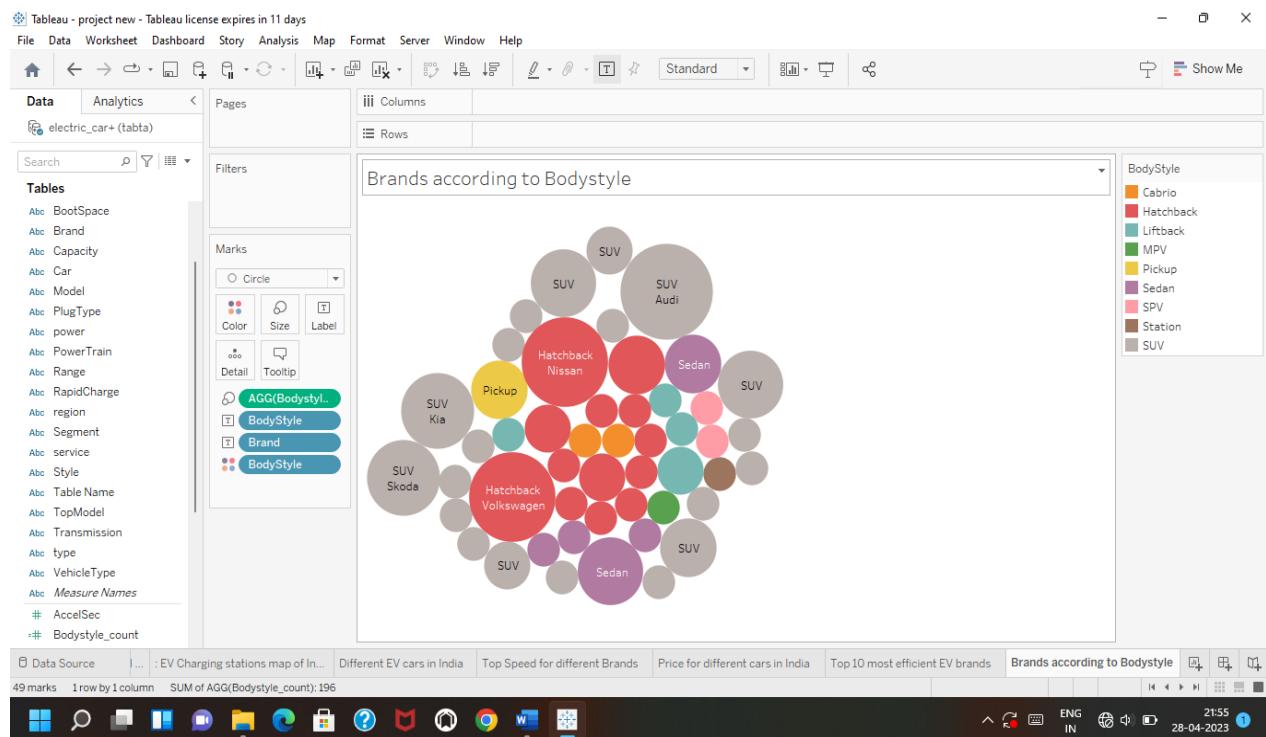
Activity 1.5: Price for different cars in India



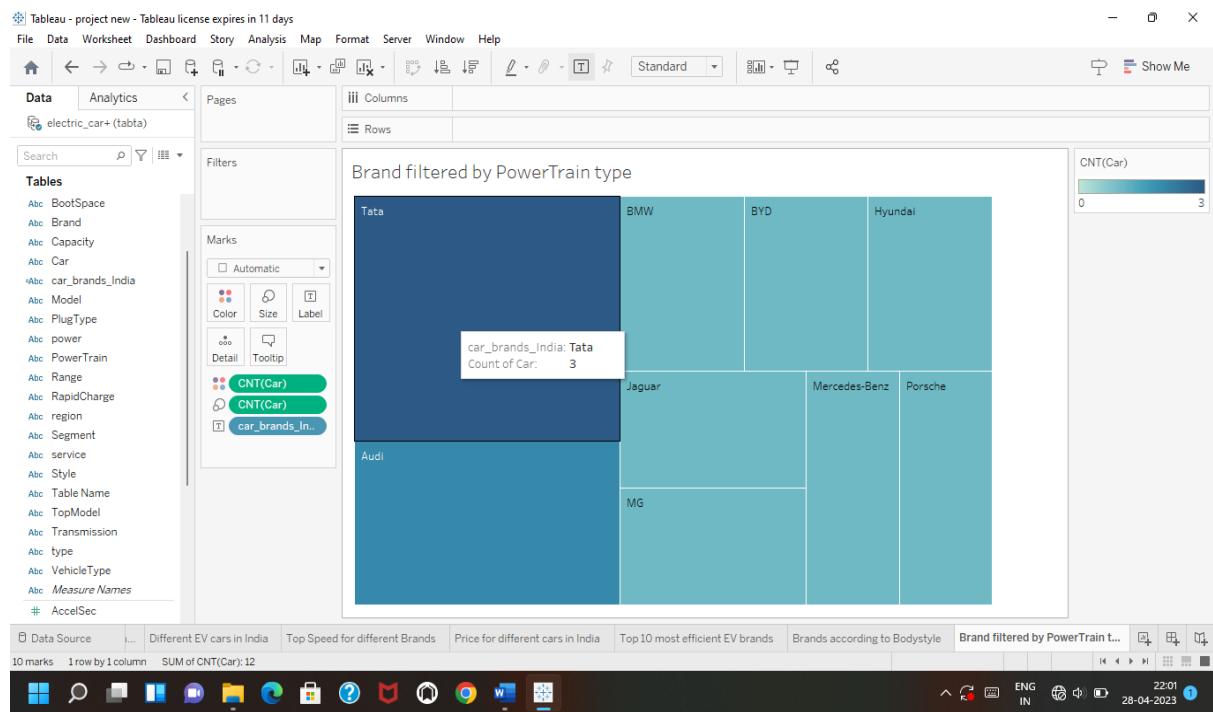
Activity 1.6: Top 10 most efficient EV Brands



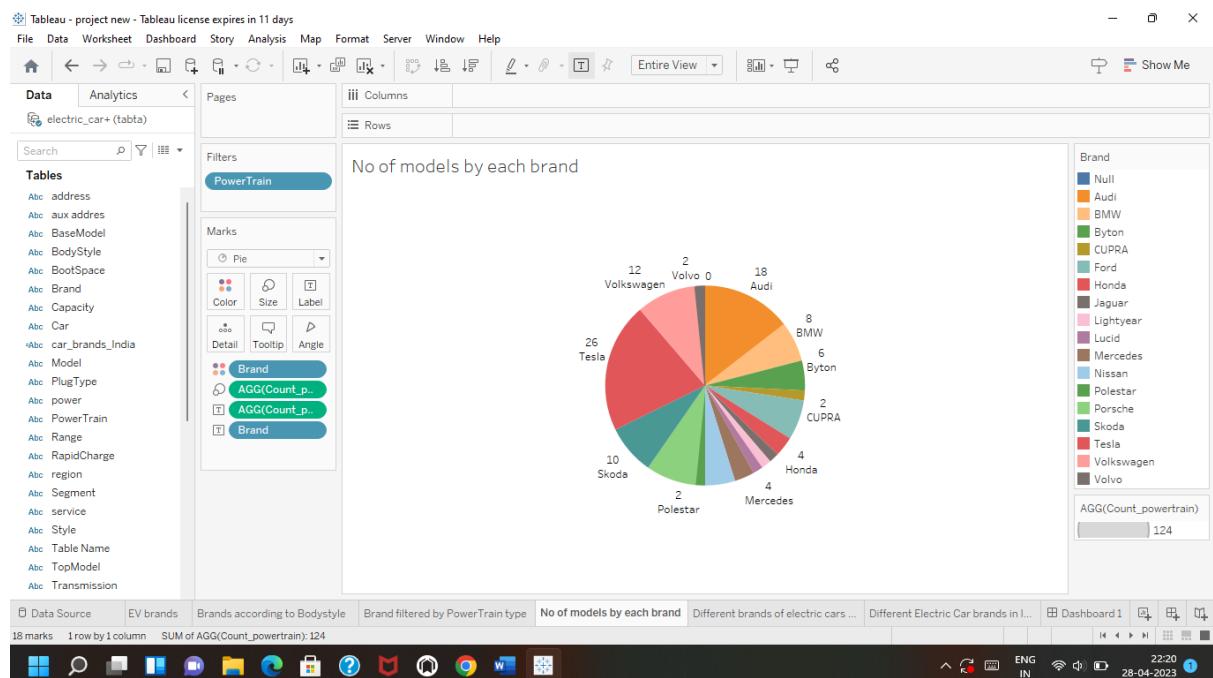
Activity 1.7: Brands according to Bodystyle



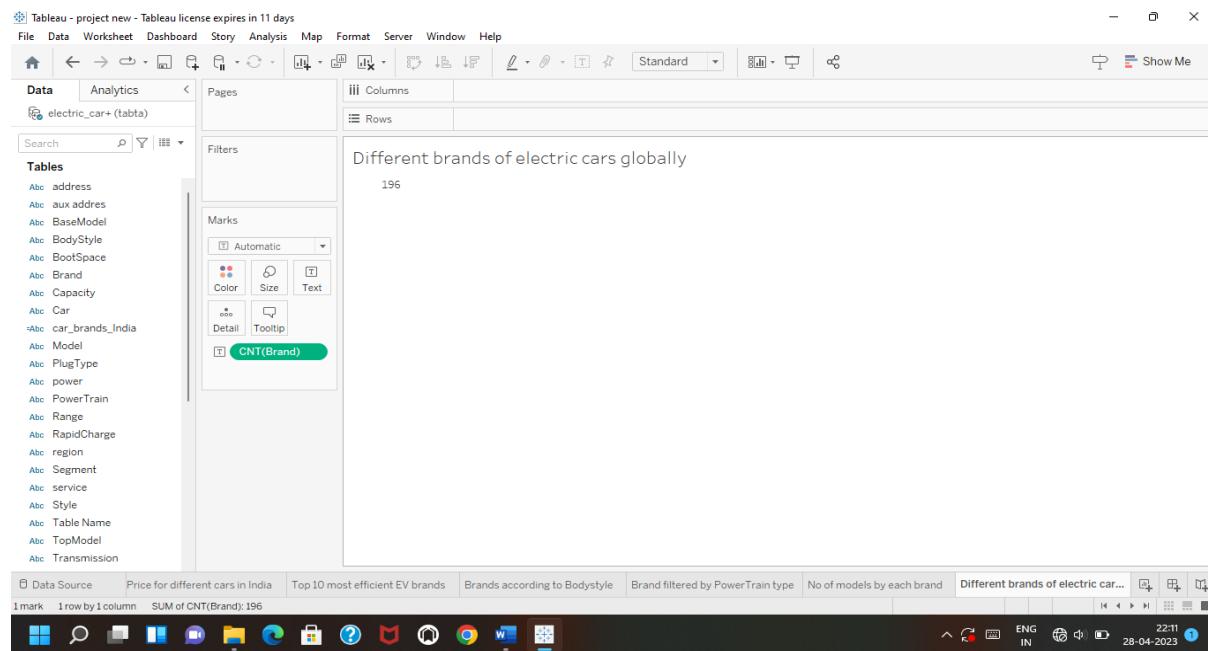
Activity 1.8: Brand filtered by PowerTrain type



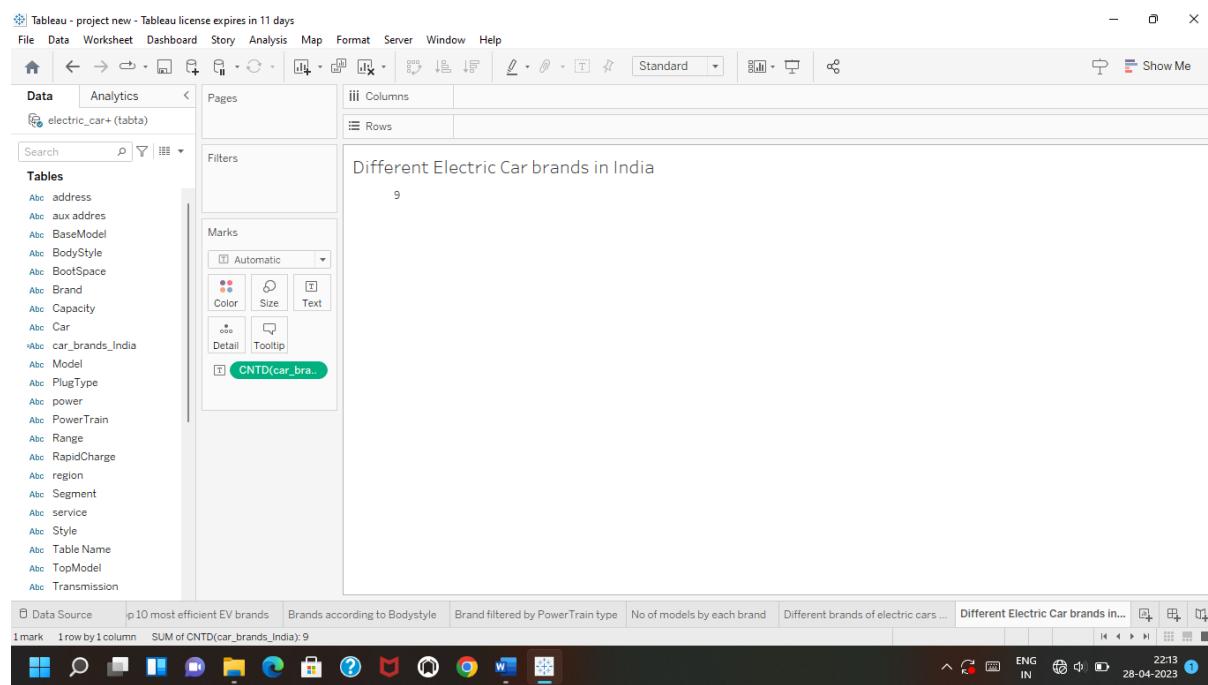
Activity 1.9: No of models by each brand



Activity 1.10: Summary card for Different brands of EV Cars globally



Activity 1.11: Summary card for Different brands of EV Cars in India

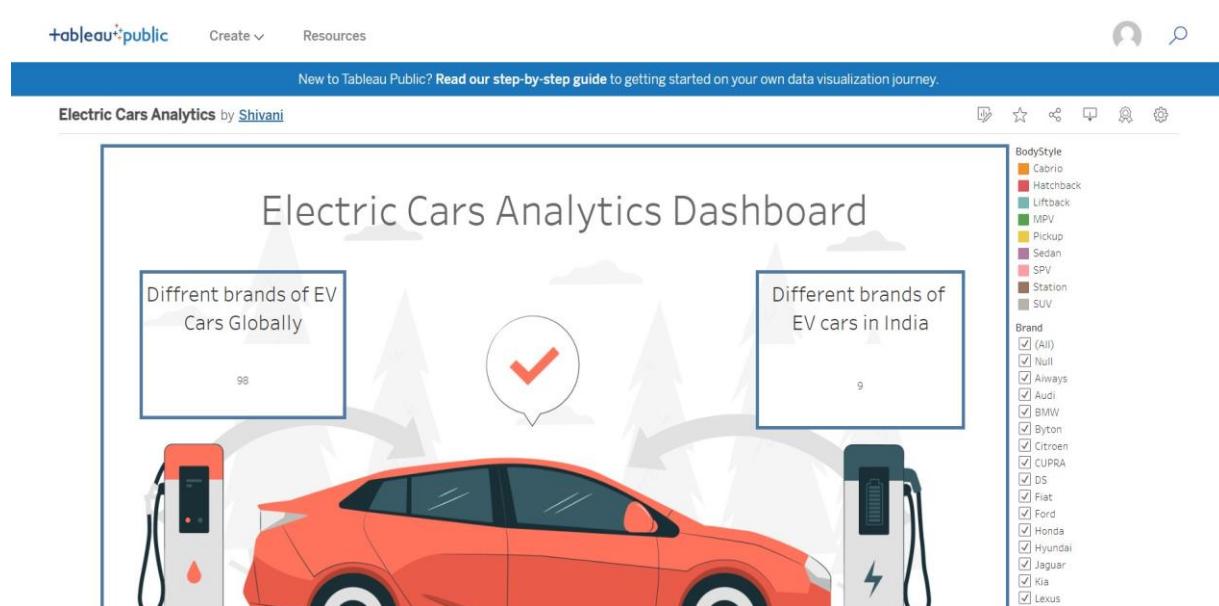


Milestone 5: Dashboard

A dashboard is a graphical user interface (GUI) that displays information and data in an organized, easy-to-read format. Dashboards are often used to provide real-time monitoring and analysis of data, and are typically designed for a specific purpose or use case. Dashboards can be used in a variety of settings, such as business, finance, manufacturing, healthcare, and many other industries. They can be used to track key performance indicators (KPIs), monitor performance metrics, and display data in the form of charts, graphs, and tables.

Activity :1- Responsive and Design of Dashboard

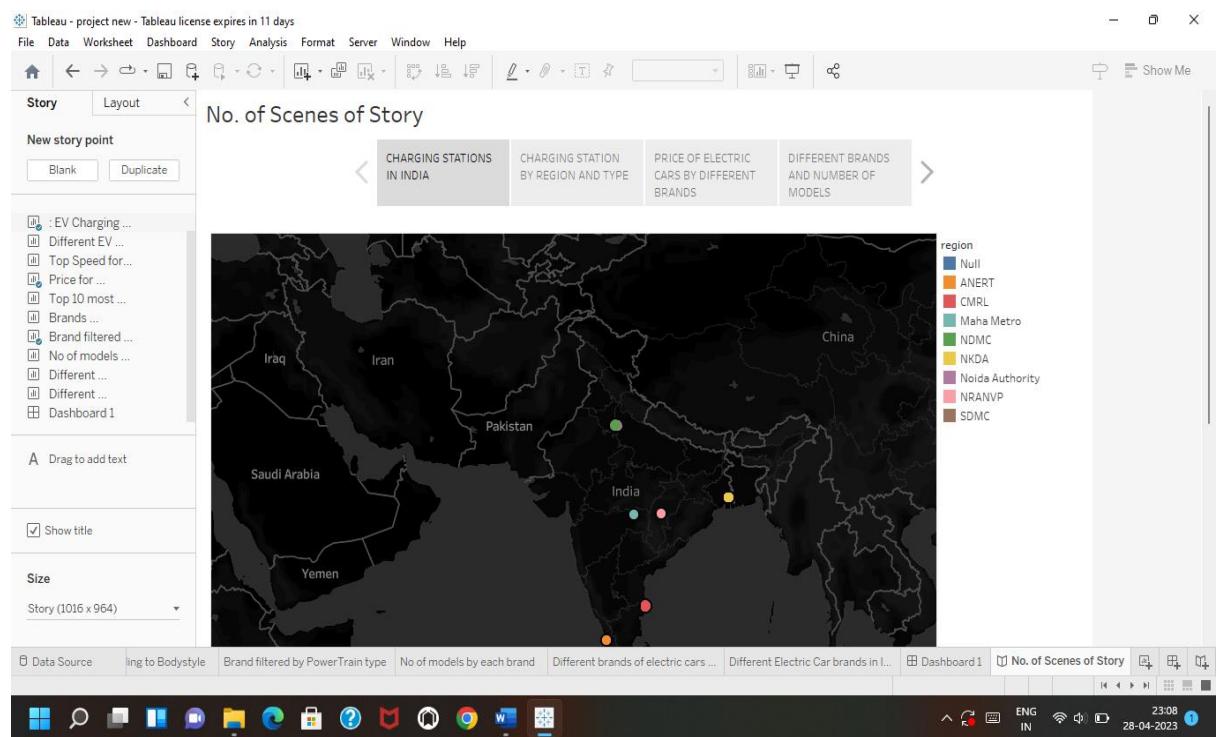
Once you have created views on different sheets in Tableau, you can pull them into a dashboard.



Milestone 6: Story

A data story is a way of presenting data and analysis in a narrative format, with the goal of making the information more engaging and easier to understand. A data story typically includes a clear introduction that sets the stage and explains the context for the data, a body that presents the data and analysis in a logical and systematic way, and a conclusion that summarizes the key findings and highlights their implications. Data stories can be told using a variety of mediums, such as reports, presentations, interactive visualizations, and videos.

Activity:1- No of Scenes of Story



Milestone 7: Performance Testing

Activity 1: Amount of Data Rendered to DB

1. The amount of data that is rendered to a database depends on the size of the dataset and the capacity of the database to store and retrieve data.
2. Open the MySQL Workbench, go to the database then click to expand the tables, select the table and click on (i) button to get the information related to table such as column count, table rows etc.

Screenshot of a database management tool interface showing the 'tamil' database.

File Edit View Query Database

Navigator

SCHEMAS

Filter objects

- sys
- tabta
 - Tables
 - electric_car
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - electric_vehicle
 - electriccardata_clean
 - ev_india
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

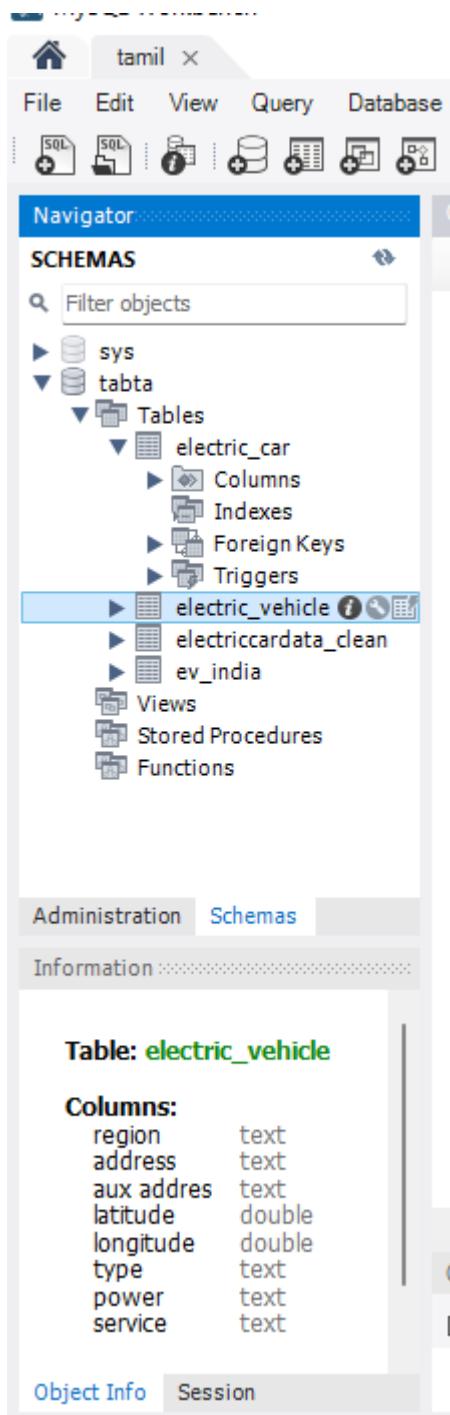
Information

Table: electric_vehicle

Columns:

region	text
address	text
aux address	text
latitude	double
longitude	double
type	text
power	text
service	text

Object Info Session



MySQL Workbench - tamil

Query 1 tabta.electric_car tabta.electric_vehicle

Table Details

Table: electric_car

Columns:

Column	Type	Properties
Brand	text	
Model	text	
AccelSec	double	
TopSpeed_KmH	int	
Range_Km	int	
Energy_WhKm	int	
FastCharge_KmH	int	
RapidCharge	text	
PowerTrain	text	
PlatForm	text	

Table Details

Table: electric_car

Engine: InnoDB
Row format: Dynamic
Column count: 14
Table rows: 98
Avg row length: 167
Data length: 16.0 KiB
Index length: 0.0 bytes
Max data length: 0.0 bytes
Data free: 0.0 bytes
Table size (estimate): 16.0 KiB
File format:
Data path: C:\ProgramData\MySQL\MySQL Server 8.0\Data\tabta\electric_car.ibd
Update time: 2023-04-27 13:27:21
Create time: 2023-04-27 13:27:20
Auto increment:

Information on this page may be outdated. Click [Analyze Table](#) to update it.

Output

Action Output

Time Action

Message Duration / Fetch

ENG IN 23:34 28-04-2023

MySQL Workbench - tamil

Query 1 tabta.electric_car tabta.electric_vehicle tabta.electriccardata_clean tabta.ev_india

Table Details

Table: electric_vehicle

Columns:

Column	Type	Properties
Brand	text	
Model	text	
AccelSec	double	
TopSpeed_KmH	int	
Range_Km	int	
Energy_WhKm	int	
FastCharge_KmH	int	
RapidCharge	text	
PowerTrain	text	
PlatForm	text	

Table Details

Table: electric_vehicle

Engine: InnoDB
Row format: Dynamic
Column count: 8
Table rows: 202
Avg row length: 405
Data length: 80.0 KiB
Index length: 0.0 bytes
Max data length: 0.0 bytes
Data free: 0.0 bytes
Table size (estimate): 80.0 KiB
File format:
Data path: C:\ProgramData\MySQL\MySQL Server 8.0\Data\tabta\electric_vehicle.ibd
Update time: 2023-04-27 13:26:05
Create time: 2023-04-27 13:26:03
Auto increment:

Information on this page may be outdated. Click [Analyze Table](#) to update it.

Output

Action Output

Time Action

Message Duration / Fetch

ENG IN 23:34 28-04-2023

MySQL Workbench

tamil

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

sys

tabta

Tables

electric_car

Columns

Indexes

Foreign Keys

Triggers

electric_vehicle

electriccardata_clean

Columns

Indexes

Foreign Keys

Triggers

ev_india

Columns

Table Details

Engine: InnoDB

Row format: Dynamic

Column count: 14

Table rows: 98

Avg row length: 167

Data length: 16.0 KiB

Index length: 0.0 bytes

Max data length: 0.0 bytes

Data free: 0.0 bytes

Table size (estimate): 16.0 KiB

File format:

Data path: C:\ProgramData\MySQL\MySQL Server 8.0\Data\tabta\electriccardata_clean.ibd

Update time: 2023-04-27 13:26:56

Create time: 2023-04-27 13:26:55

Auto increment:

Information on this page may be outdated. Click [Analyze Table](#) to update it.

Output

Action Output

Time Action

Message

Duration / Fetch

ENG IN 23:35 28-04-2023

MySQL Workbench

tamil

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

sys

tabta

Tables

electric_car

Columns

Indexes

Foreign Keys

Triggers

electric_vehicle

electriccardata_clean

Columns

Indexes

Foreign Keys

Triggers

ev_india

Columns

Table Details

Engine: InnoDB

Row format: Dynamic

Column count: 10

Table rows: 12

Avg row length: 1365

Data length: 16.0 KiB

Index length: 0.0 bytes

Max data length: 0.0 bytes

Data free: 0.0 bytes

Table size (estimate): 16.0 KiB

File format:

Data path: C:\ProgramData\MySQL\MySQL Server 8.0\Data\tabta\ev_india.ibd

Update time: 2023-04-27 13:25:08

Create time: 2023-04-27 13:25:08

Auto increment:

Information on this page may be outdated. Click [Analyze Table](#) to update it.

Output

Action Output

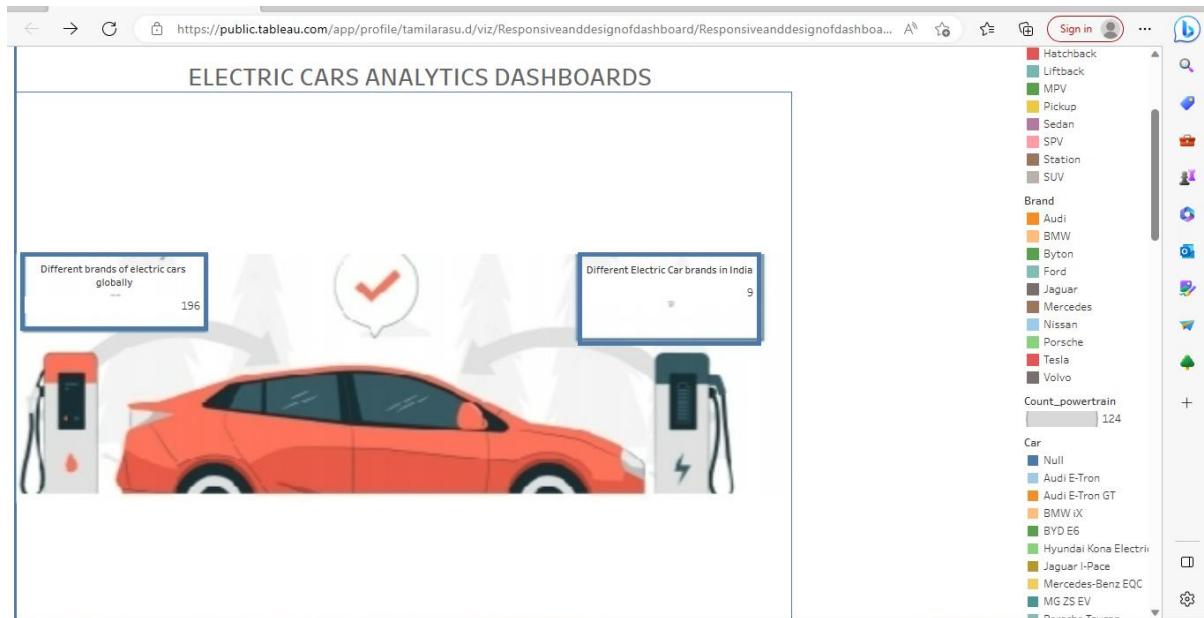
Time Action

Message

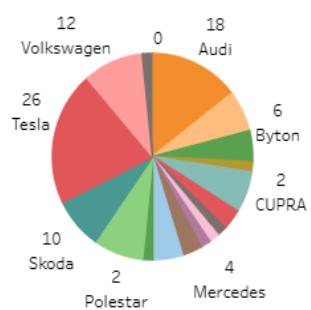
Duration / Fetch

ENG IN 23:35 28-04-2023

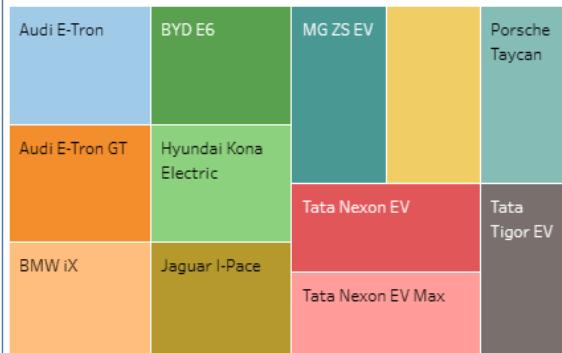
Activity 2: Utilization of Data Filters



No of models by each brand



Different EV cars in India



Activity 3: No of Calculation Fields

Abc power
Abc PowerTrain
Abc Range
Abc RapidCharge

Abc region

Abc Segment

Abc service

Abc Style

Abc Table Name

Abc TopModel

Abc Transmission

Abc type

Abc VehicleType

Abc *Measure Names*

AccelSec

=# Bodystyle_count

=# Count_powertrain

Efficiency_WhKm

FastCharge_KmH

🌐 latitude

🌐 longitude

PriceEuro

Activity 4: No of Visualizations/ Graphs

1. Charging Stations by region and type in India
2. EV Charging stations map of India
3. Different EV cars in India
4. Top speed for different Brands
5. Price for different cars in India
6. Top 10 most efficient EV Brands
7. Brands according to Bodystyle
8. Brand filtered by PowerTrain type

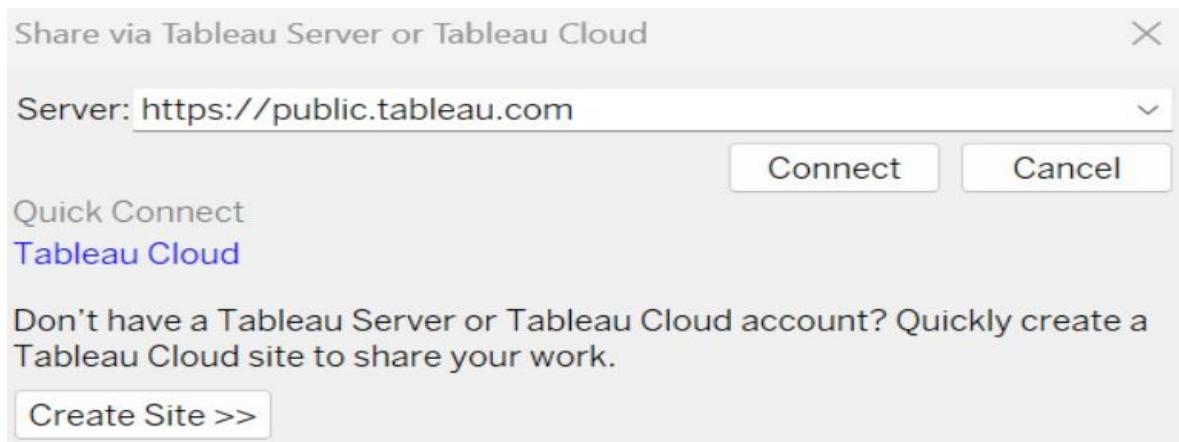
9. No of models by each brand
10. Summary card for Different brands of EV Cars globally
11. Summary card for Different brands of EV Cars in India

Milestone 8: Web integration

Publishing helps us to track and monitor key performance metrics, to communicate results and progress. help a publisher stay informed, make better decisions, and communicate their performance to others.

Publishing dashboard and reports to tableau public

Step 1: Go to Dashboard/story, click on share button on the top ribbon



Give the server address of your tableau public account and click on connect.

Step 2: Once you click on connect it will ask you for tableau public user name and password



Once you login into your tableau public using the credentials, the particular visualization will be published into tableau public

Note: While publishing the visualization to the public, the respective sheet will get published when you click on share option.

Activity 1: Dashboard and Story embed with UI With Flask



E-CAR START

E-Car Start is a complete analytics tool for electric vehicles all over the world.

The Electric Vehicle (EV) is not new, but it has been receiving significantly more attention in recent years. Advances in both EV analytics and battery technologies have led to increased automotive market share. The modern mechatronic vehicle marries electrical storage and propulsion systems with electronic sensors, controls, and actuators, integrated closely with software, secure data transfer, and data analysis, to form a comprehensive transportation solution. Advances in all these areas have contributed to the overall rise of EVs, but the common thread that runs through all these elements is data analytics.

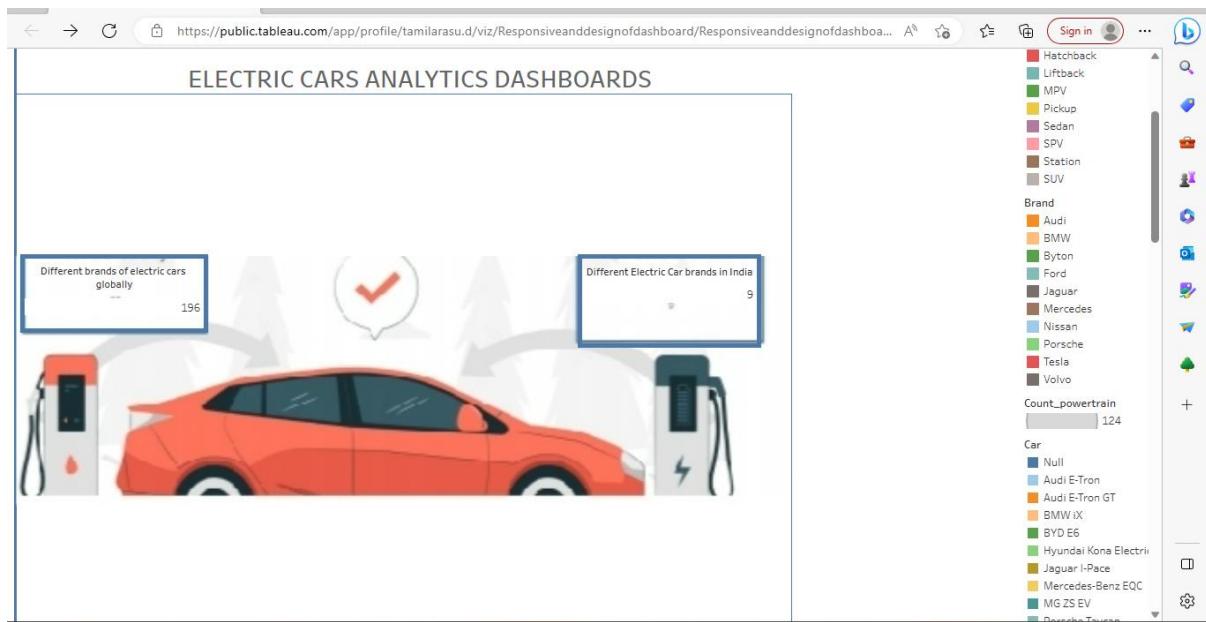
[Read More →](#)[DASHBOARD](#)

There are many different features of our project

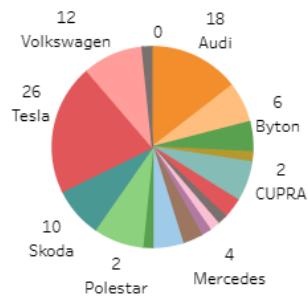
 Analyse the current stats Get to know EV more Know about Charging Stations Top performing Brands different brands in India different brands Globally

Overview of Electric Vehicle Sector

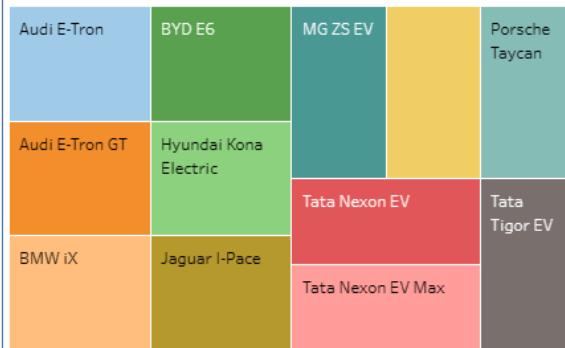
[ELECTRIC](#)

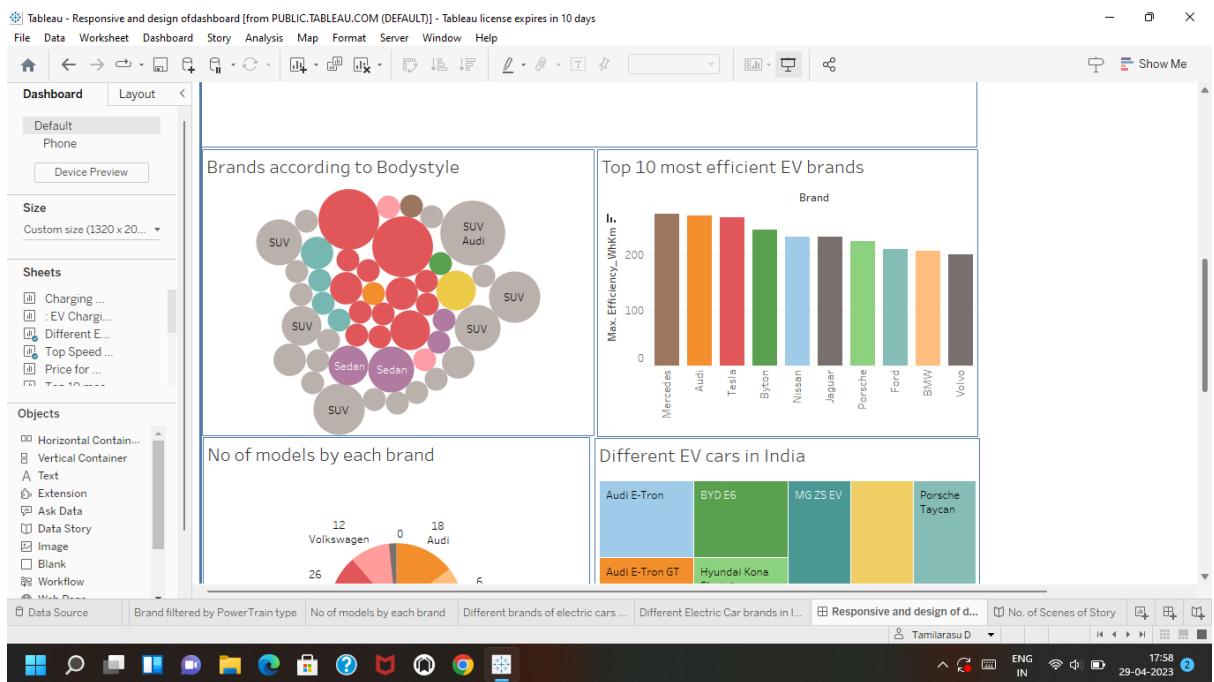


No of models by each brand



Different EV cars in India





E-CarStart

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There are many different features of our project



- Analyse the current stats
- Get to know EV more
- Know about Charging Stations
- Top performing Brands
- different brands in India
- different brands Globally

Overview of Electric Vehicle Sector

ELECTRIC

E-CarStart

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Overview of Electric Vehicle Sector

OVERVIEW PRICING

The supply of fossile fuels is constantly decreasing. The situation is very alarming. It is time for the world to slowly adapt to electric vehicles.

- A lot of change needs to happen
- Major carmakers like Tesla and Porsche manufacture many electric vehicles.
- The improvement of battery technology in recent years has led to the higher popularity of electric vehicles.
- Buying an electric vehicle can be a great choice for consumers. The drive quality, low noise levels, and convenience are really great.



Paragraph

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STORY

Electric vehicles Analytics Story

Story of Electric Cars In India

Charging Stations in India, Charging Stations in different regions as per the type, Price Range of Electric Vehicles in India, Electric Vehicles & no. of Vehicles

Region: ANGR, CML, MM, NDMC, RJD, HSA, GAWP, SMC

NEW DELHI, MUMBAI, BANGALORE

E-CarStart

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TESTIMONIALS

What they are saying about us



Fugiat evenet enim quaeque illucit labore
dolor sunt nullus culpa refluere export. Invenit
fugiat minima well minus dolor enim dicit
minimus proin avemt magnis suad est fore
quae distice distare illucit venuit.



Matt Brandon
Entrepreneur



Quis quorum aliqua sint quem legam fore
sunt eram irure aliqua veniam tempor
moster veniam enim culpa labore duis sunt
culpa nulla illum cillum fugiat legam esse
veniam culpa fore nisi cillum quid.



John Larson
Entrepreneur



Proin incidunt pulas conseruent sem care
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Hunc. Accessionem posse, ultimus egit
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Saul Goodman
Law Attorney



TEAM

Our hard working team



Walter White

Chief Executive Officer

Vitae autem quis agit et est. Dolorem est
voluptate vel tempore tenetur grau quae aut.
Ipsam evenietationem lura minima enim
corpostr et voluptate.



Sarah Jhson

Product Manager

Qui esse repellendum quia id. Est eum et
accusacionem paratur fugit nisl minima
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William Anderson

CTO

Vero omnis enim consequtatur. Voluptate
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Amanda Jepson

Accountant

Rerum voluptate non adipisci animi
distincto et decurunt omni voluptas. Quis
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effice.



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8:00AM - 07:00PM



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Monday - Friday
9:00AM - 07:00PM



E-CarStart

We offer modern Analytics solutions for Electric Vehicles.



USEFUL LINKS

- Home
- About us
- Services
- Dashboard
- Story

OUR SERVICES

- Web Design
- Web Development
- Product Management
- Marketing
- Graphic Design

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