SIMPLE SALES DASHBOARD DESIGN

Introduction

Analyse, preprocess, clean and create a dynamic dashboard in PowerBI. We use Power Query for data cleaning, PowerBI for dashboard building and Google docs for report making. Let's analyse each table

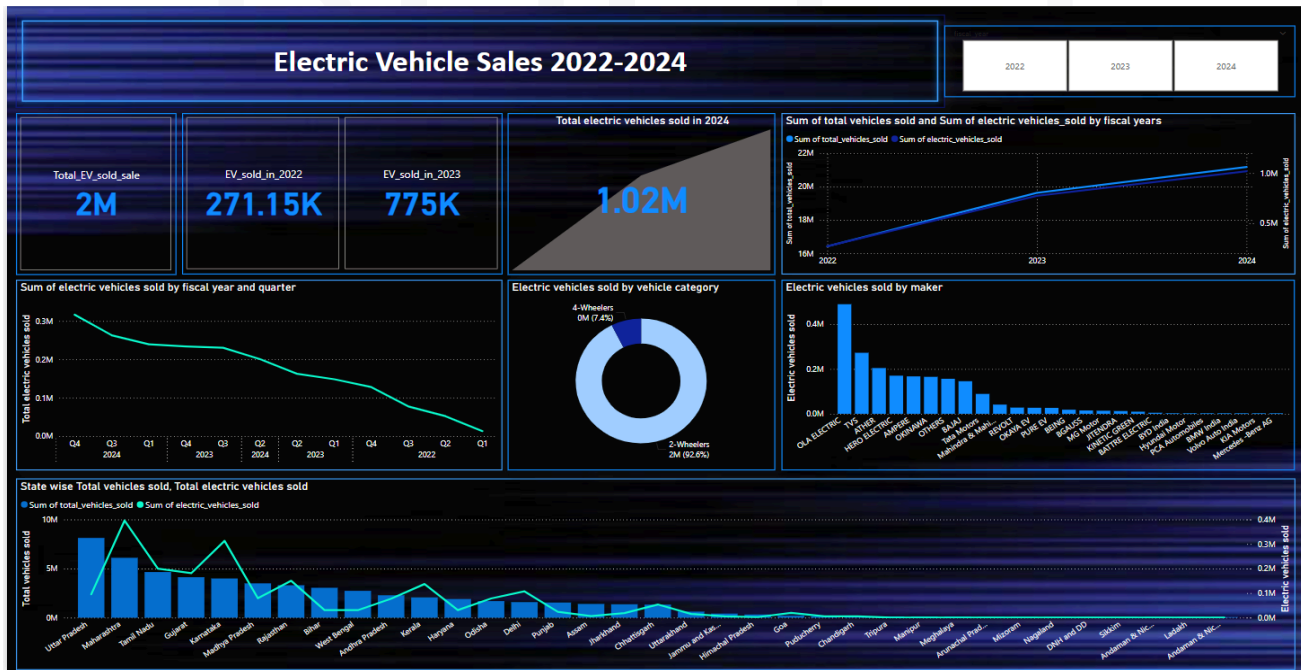| Table name 'date' columns	Description
date	The date on which the data was recorded
fiscal_year	The fiscal year to which the date belongs.
quarter	The fiscal quarter to which the date belongs.(Q1,Q2,Q3,Q4)

Table name 'ev_sales_makers' columns	Description
date	The date on which the sales data was recorded.
electric_vehicles_sold	The number of electric vehicles sold by the specified maker in the given category on the given date.
maker	The name of the manufacturer or brand of the electric vehicle.
vehicle_caegory	The category of the vehicle, specifying whether it is a 2-Wheeler or a 4-Wheeler

Table name 'ev_sales_state' columns	Description
date	The date on which the data was recorded
electric_vehicles_sold	The number of electric vehicles sold in the specified state and category on the given date.
state	The name of the state where the sales data is recorded.
total_vehicles_sold	The total number of vehicles (including both electric and non-electric) sold in the specified state and category on the given date.
vehicle_category	The category of the vehicle, specifying whether it is a 2-Wheeler or a 4-Wheeler.

Steps of task
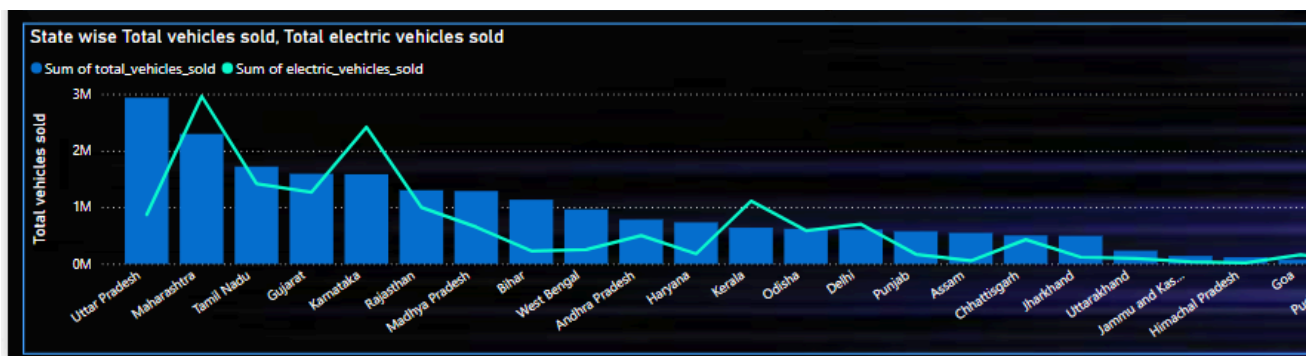
1. Data importing and cleaning using Power Query
   a. We imported tables in Power Query.
   b. Analysed the data.
   c. Checked for null values using the view option. Cleaned the data and merged a new column(fiscal_year) in 'ev_sales_state' table
2. Dashboard generating.
   a. Imported the cleaned data to PowerBI for dashboard generation
   b. Created 4 new 'Calculated Measures'.
   c. Visualized the data using appropriate charts and graphs.
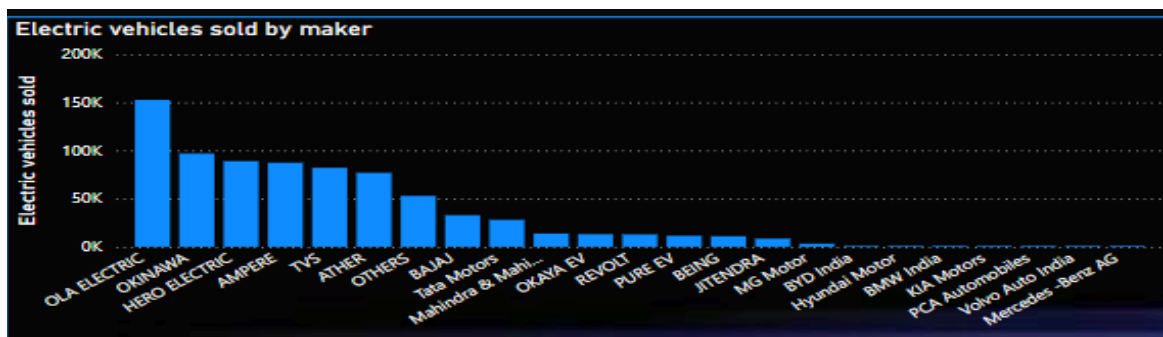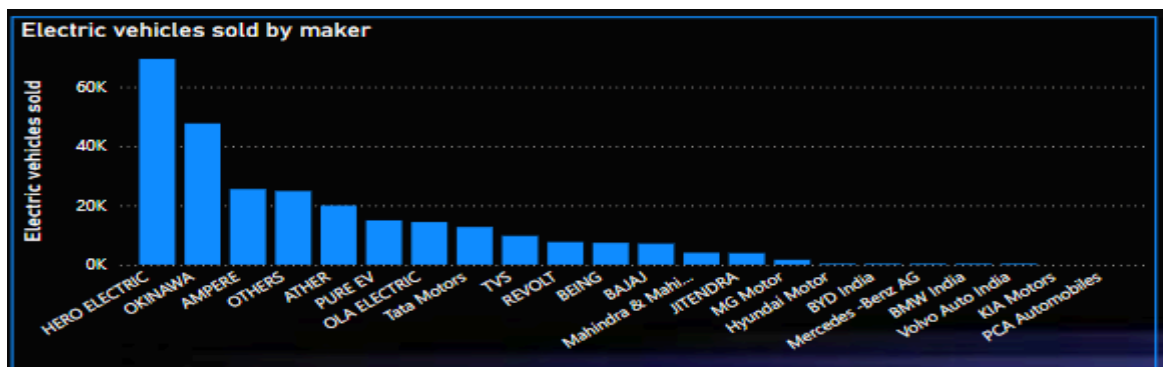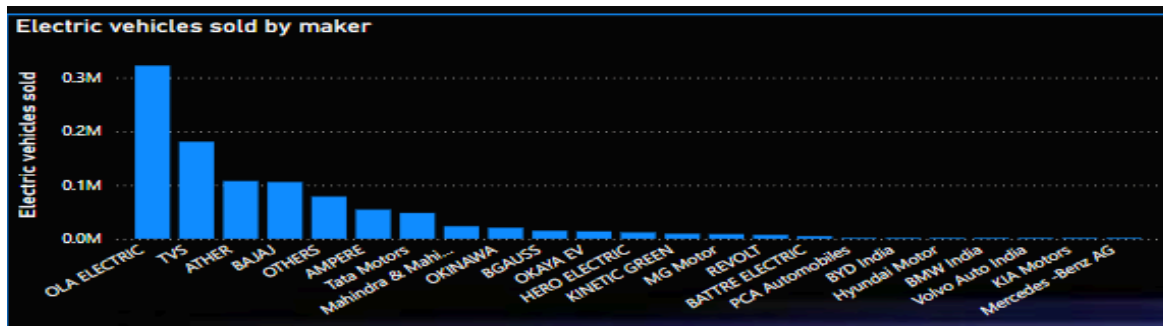   d. Applied a slicer of fiscal year for analysing the interactive dashboard.

Insights

1. Sales of the Electric vehicles show a boost between 2022 to 2024 fiscal year. In 2022 the sale of (count) Electric vehicles was around 271K. In 2023 it was 775K and in 2024 its around 1.02 Million

2. The total number of sold electric vehicles between 2022 to 2024 fiscal year is around 2 Million

3. Among these electric vehicles, 92.6% are Two-wheelers and the rest 7.4% are Four-wheelers.

4. OLA ELECTRIC is the top seller of Electric vehicles.

5. In 2022 the top sellers of Electric vehicles were HERO ELECTRIC and OKINAWA. OLA was in 7th position

6. But from 2023 fiscal year OLA made a great comeback to the first position in the Electric vehicles market.

7. Highest normal-vehicle purchasing states are Uttar Pradesh and Maharashtra.

8. Highest Electric vehicle purchasing states are Maharashtra and Karnataka.

Top companies in 2022, 2023, 2024 fiscal years

Electric vehicles sold by maker