

The background features four abstract, organic shapes in the corners, each composed of two overlapping layers: a lighter green layer and a darker green layer. The shapes are defined by smooth, wavy lines. The top-left and bottom-right shapes are larger, while the top-right and bottom-left shapes are smaller.

ELECTRIC

VEHICLE

POWER BI DASHBOARD BY JATIN

PROBLEM STATEMENT

KPI'S Requirement

1. Total Vehicles:

- Understand the overall landscape of electric vehicles, encompassing both BEVs and PHEVs, to assess the market's size and growth.

2. Average Electric Range:

- Determine the average electric range of the electric vehicles in the dataset to gauge the technological advancements and efficiency of the EVs.

3. Total BEV Vehicles and % of Total BEV Vehicles:

- Identify and analyze the total number of Battery Electric Vehicles (BEVs) in the dataset.
- Calculate the percentage of BEVs relative to the total number of electric vehicles, providing insights into the dominance of fully electric models.

4. Total PHEV Vehicles and % of Total PHEV Vehicles:

- Identify and analyze the total number of Plug-in Hybrid Electric Vehicles (PHEVs) in the dataset.
- Calculate the percentage of PHEVs relative to the total number of electric vehicles, offering insights into the market share of plug-in hybrid models.



PROBLEM STATEMENT

Charts Requirement



1.Total Vehicles by Model Year (From 2010 Onwards):

- 1. Visualization: Line/ Area Chart
- 2. Description: This chart will illustrate the distribution of electric vehicles over the years, starting from 2010, providing insights into the growth pattern and adoption trends.

2. Total Vehicles by State:

- 3. Visualization: Map Chart
- 4. Description: This chart will showcase the geographical distribution of electric vehicles across different states, allowing for the identification of regions with higher adoption rates.

3. Top 10 Total Vehicles by Make:

- 5. Visualization: Bar Chart
- 6. Description: Highlight the top 10 electric vehicle manufacturers based on the total number of vehicles, providing insights into the market dominance of specific brands.

4. Total Vehicles by CAFV Eligibility:

- 7. Visualization: Pie Chart or Donut Chart
- 8. Description: Illustrate the proportion of electric vehicles that are eligible for Clean Alternative Fuel Vehicle (CAFV) incentives, aiding in understanding the impact of incentives on vehicle adoption.

5. Top 10 Total Vehicles by Model:

- 9. Visualization: Tree map
- 10. Description: Highlight the top 10 electric vehicle models based on the total number of vehicles, offering insights into consumer preferences and popular models in the market.

ELECTRIC VEHICLE ANALYSIS

TOTAL VEHICLE

150.42K

AVG ELECTRIC RANGE

67.83

FILTER PANEL

CITY

All

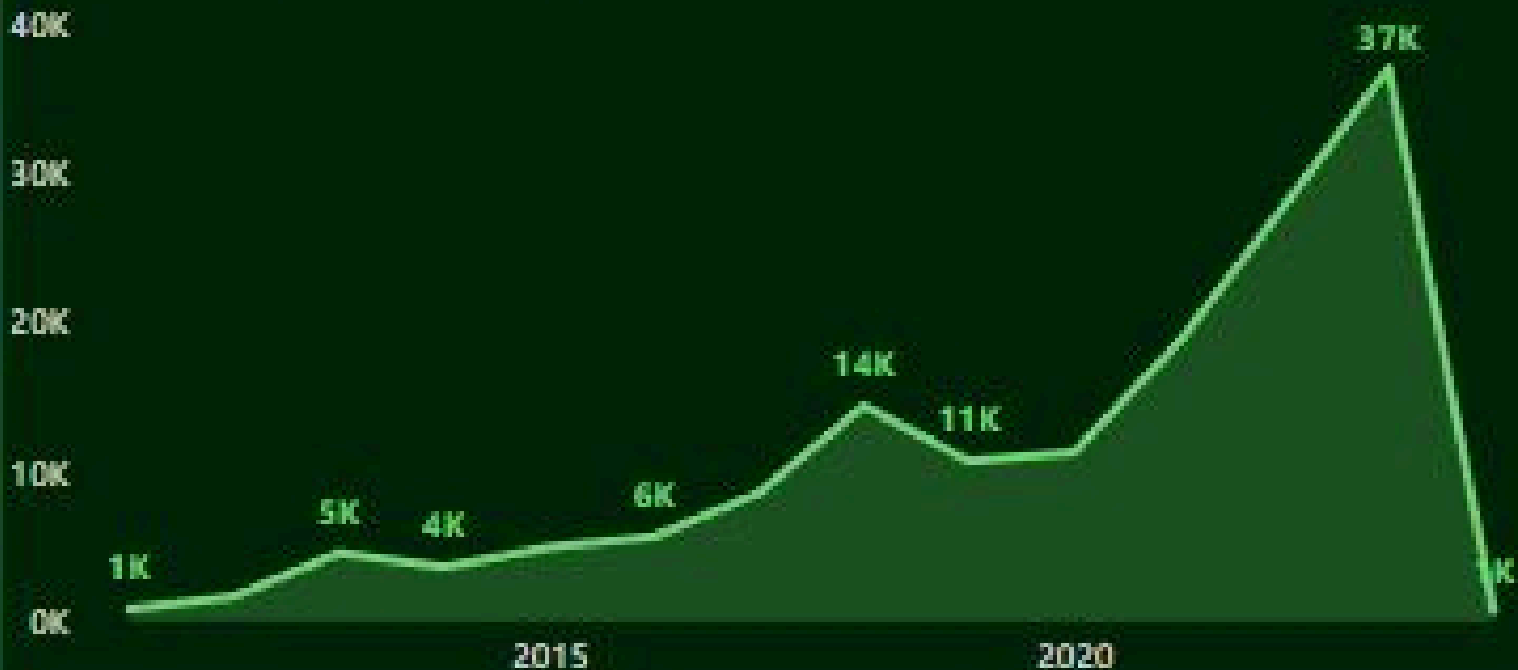
ELECTRIC UTILITY

All

TYPE OF VEHICLE

All

TOTAL VEHICLE by Model Year



TOTAL VEHICLE BY STATES



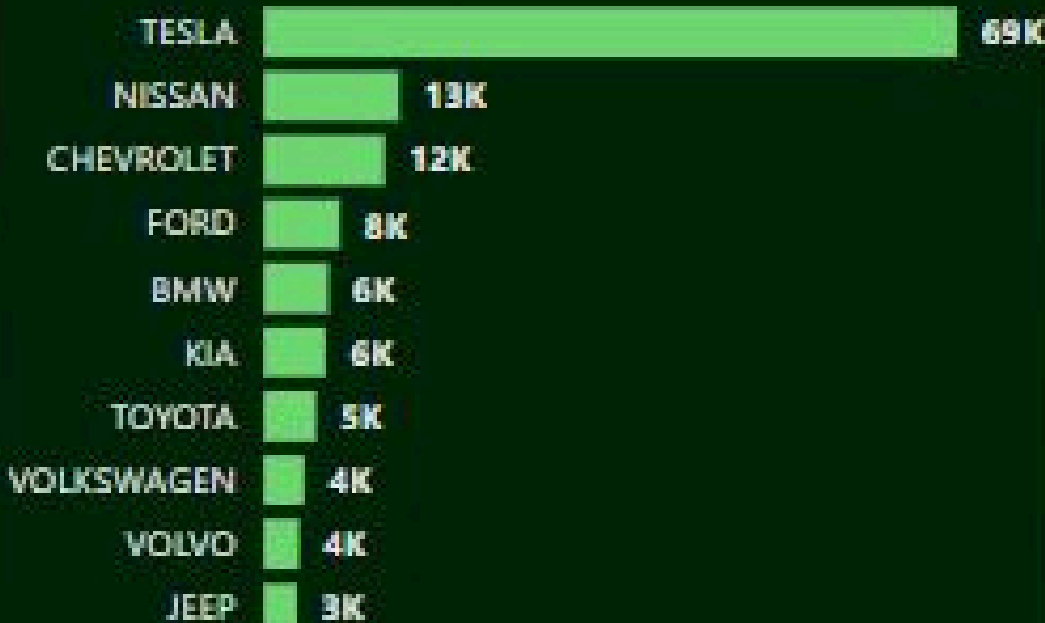
BEV VEHICLE

117K

% OF TOTAL

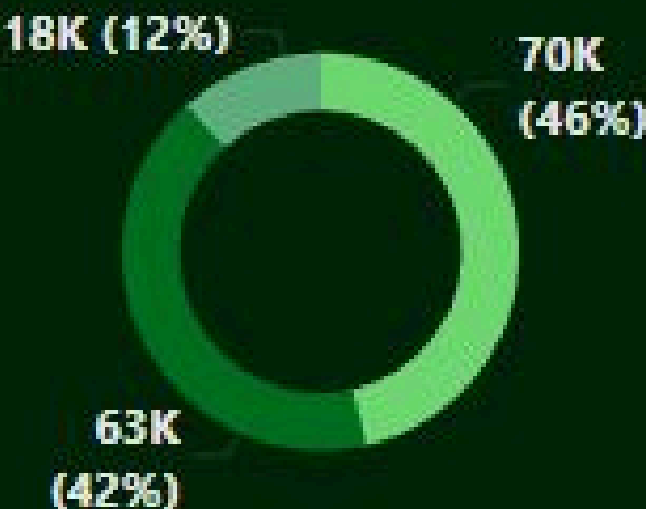
78%

TOTAL VEHICLE by Make

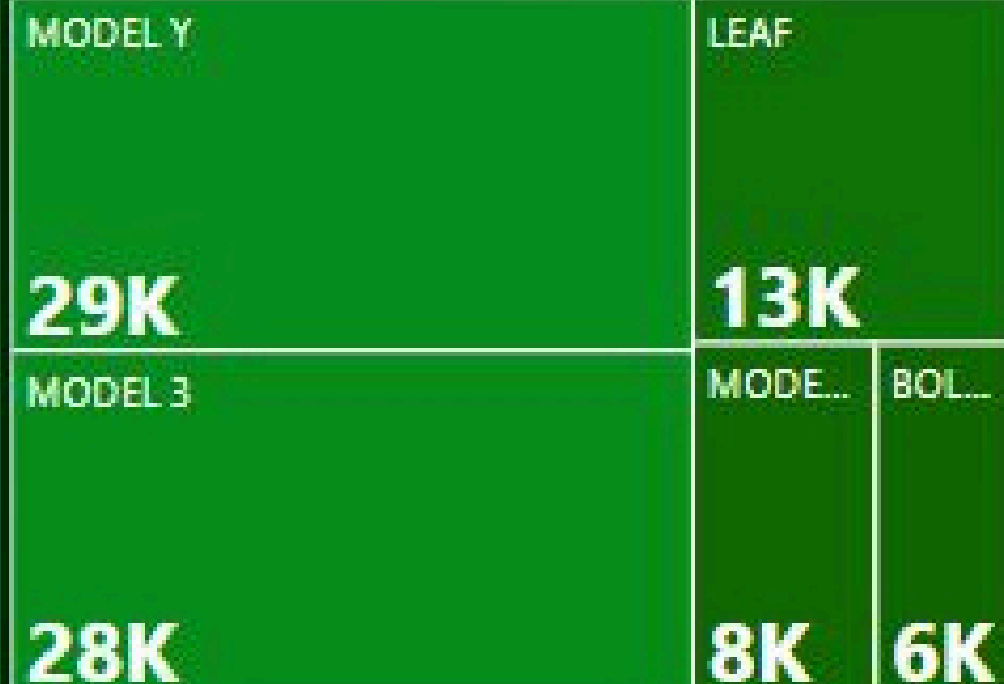


TOTAL VEHICLE by (CAFV) Eligibility

Clean Alt... Eligibility unkno... Clean Alternet...



TOTAL VEHICLE by Model



PHEV VEHICLE

34K

% OF TOTAL

22%

The background features four abstract, organic shapes in the corners, each composed of two overlapping layers: a lighter green layer and a darker green layer. The shapes are positioned in the top-left, top-right, bottom-left, and bottom-right corners, framing the central text.

THANK YOU

Presented By JATIN SHARMA