Insight 1: In the original dataset, most of the electric vehicles have come after 2010. There has not been much progress in this sector from 1997 to 2010.

Insight 2: The average range for the electric vehicles has come out to be around 80 Miles.

Insight 3: Out of the total 125K vehicles, around 77% are Battery Electric Vehicles (BEV) while the rest are still in Plug-in Hybrid Electric Vehicles (PHEV) which means they still depend on fuels to power the engine.

Insight 4: There has been an uptrend in the sales of electric cars and this is an increasing trend. With 2024 data still to be computed, it already shows a sign to beat the previous high of sales.

Insight 5: The most sold EV car model is Model 3 followed by Model Y, then Leaf and Bolt.EV and Volt competing equally for number 5th position.

Insight 6: Out of the total 125K vehicles, only a 47% of vehicles qualify for Clean Alternative Fuel Vehicle.

Recommendation 1: With the ongoing research, much collaboration is needed by the car giants to come together to find better alternatives.

Recommendation 2: Only Tesla alone, has hold of around half of the market. This is creating a shift in balance of power and might lead to unwanted outcomes in future. Other companies should strive and find more ways to increase their sales.

Recommendation 3: Other than Tesla, most of the companies are still using the old sources of energy like Renewable Sources of CNG and Petroleum. They should invest more in their R&D to develop batteries that can power their cars.

Recommendation 4: The dataset used in based out of US Sales which shows that out of 124.65K cars sold, 124.36K cars have been sold in one and one state alone. The car companies should focus on creating awareness campaigns for the users in other states to penetrate the traditional car market and increase the sales in other markets as well. It is important otherwise there will again be a disparity created in this segment.