

Electric Vehicle Market Segmentation(TR_01)

Md Ismail Quraishi:

1. Land Cruiser is most expensive car.
2. Average selling price of petrol, diesel and cng cars are is 3.26, 10.10 and 3.10 respectively.
3. Total 239 cars are of type petrol. Only 58 cars are diesel type and 2 cng type.
4. Total 260 cars are manual and only 39 cars are automatic.
5. Highest selling price of cars are on year 2018 while Kms_driven is on 2004.
6. Mean selling price and Kms_Driven of diesel car is highest that is 10.10 and 50675 respectively. While in case of cng mean price is least 3.20 and Kms_Driven is very high that is 42749.
7. Although selling and present price of cars run by diesels are highest but Kms_driven are high too. As we all know Diesel is cheaper than petrol that's why people prefer to buy diesel car rather than petrol car.
8. CNG is cheaper than diesel and it is also new technology with respect to diesel that's why Kms_driven of cng is also higher than petrol but lesser than diesel but the gap between them are very less.
9. However Electric Vehicle is completely new in market and electric vehicles are also pollution free at least while on road. We are not going to discuss how electric produced in factory whether it produces pollutions or not.
10. As we know electric vehicles and electric both are cheaper than petrol and diesel and government also promoting this technology giving subsidies etc.

To capture vehicle market in India we must go with Electric Vehicle specially in cities like Delhi, Mumbai, Kolkata etc. Because these cities are facing big challenges of air pollutions.

GitHub Link: <https://github.com/mdismailquraishicse/ElectricVehicleSegmentation>

Asad Ahmad Mohammad Soeb:

GitHub Link: <https://github.com/asadintwala/My-Projects/blob/main/Car%20Dekho.ipynb>

1. Most Indian public prefers to use Maruti company cars. Hyundai, Mahindra, Tata and Honda, Ford, Toyota Chevrolet comes after respectively.
2. 70% People like to buy cars from individual then of dealer when comes to second hand car market.

3. Diesel car is still in the demand concise of almost 45% of the market while People have started using Electric vehicles.
4. Manual transmission is the first choice of Indian market holds 90% when it comes to select transmission type.
5. When it comes to buying a car, 51% Indians prefer to buy new one the used.
6. Electric cars selling price is Moderate while Diesel and Petrol car's selling price is expensive shows a good scope for EV Market.
7. Selling price, year ad kms run are highly corelated to each other decides the selling price of vehicle regardless of make, fuel type and transmission type.

Riyan Khan:

Conclusions:

As you can see, the two clusters are quite different in terms of their demographics and purchase behavior. Cluster 1 is made up of younger, less well-off professionals who are looking for affordable cars. Cluster 2 is made up of middle-aged, well-off professionals who are looking for expensive cars.

Here are some of the key differences between the two clusters:

1. Age: The average age of the buyers in Cluster 1 is 30, while the average age of the buyers in Cluster 2 is 40. This suggests that Cluster 1 is made up of younger professionals, while Cluster 2 is made up of more experienced professionals.
2. Income: The average total salary of the buyers in Cluster 1 is 1600000, while the average total salary of the buyers in Cluster 2 is 2500000. This suggests that Cluster 1 is made up of less well-off professionals, while Cluster 2 is made up of more well-off professionals.
3. Car preference: The most popular make of car in Cluster 1 is Baleno, Ciaz, and Creta, which are all relatively affordable cars. The most popular make of car in Cluster 2 is SUV, which are typically more expensive cars.

These differences suggest that the two clusters are looking for different things in a car. Cluster 1 is looking for an affordable car that is reliable and fuel-efficient. Cluster 2 is looking for a more luxurious and powerful car that can accommodate their families

GitHub Link: https://github.com/Alriyan1/Indian_EV_Segmentation

Krish Bhimani:

Conclusion

The dataset is divided into 4 groups, each with different characteristics

Scooters are at low end whereas Bikes are at high end with more features and better performance

The most expensive vehicle is from Tork Motors, TorkT6X which is listed at 2500000. It is also the bike with highest battery capacity and maximum speed.

GitHub link : <https://github.com/KrishBhimani/Indian-Electric-Vehicles-Segmentation/tree/main>