

DATA PREPROCESSING & VISUALISATIONS

DATA PREPROCESSING :

1. FastChargeSpeed:

Initially few rows in this column are filled with '-', We converted those into null by creating a new calculation field FastChargeSpeed_clean using formula

```
IF TRIM([FastChargeSpeed]) = "-" THEN NULL  
ELSE INT(REPLACE(TRIM([FastChargeSpeed]), " km/h", ""))  
END
```

Then the data type became number and km/h is removed

2. PriceinGermany:

Initially few rows in this column are filled with N/A and all rows are have inappropriate currency symbols ,We converted those N/A into null and removed the currency symbol by creating new calculating field PriceinGermany_clean by using formula

```
IF TRIM([PriceinGermany]) = "N/A" THEN NULL  
ELSE INT(  
    REPLACE( REPLACE(TRIM([PriceinGermany]), "â,-", ""),"", ""))  
END
```

Then change currency symbol by right clicking on filed in data pane then by selecting
Default Properties → Number Format → Currency (Custom) → replace symbol with €

3. PriceinUK:

Similarly in PriceinUK filed also some rows are filled with N/A and have inappropriate currency symbol, we converted those N/A into null and removed the currency symbol by creating new calculation field PriceinUK_clean by using formula

```
IF TRIM([PriceinUK]) = "N/A" THEN NULL  
ELSE INT(  
    REPLACE(REPLACE(TRIM([PriceinUK]), "Â£", ""),"", ""))  
END
```

Then change currency symbol by right clicking on filed in data pane then by selecting
Default Properties → Number Format → Currency (Custom) → replace symbol with £

4. Car_brands_India:

This is a calculation field we have created for identifying electric car brands in india using formula

SPLIT([Car]," ",1)

5. Bodystyle_count:

This is another calculated field we have created for identifying seat count of particular car by using formula

COUNT([BodyStyle])

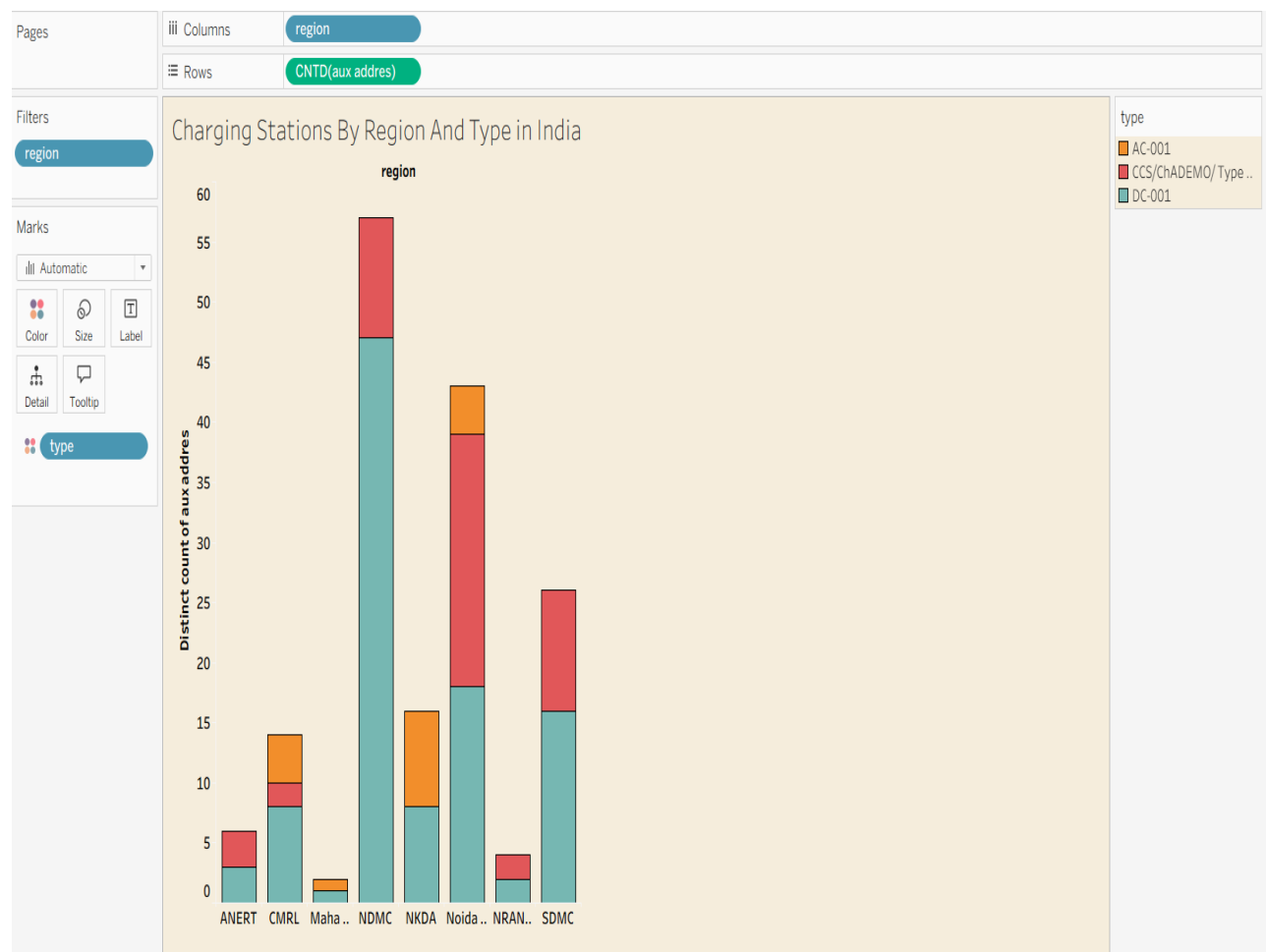
6. Count_Powertrain:

We have created another calculated filed called Count_Powertrain using formula

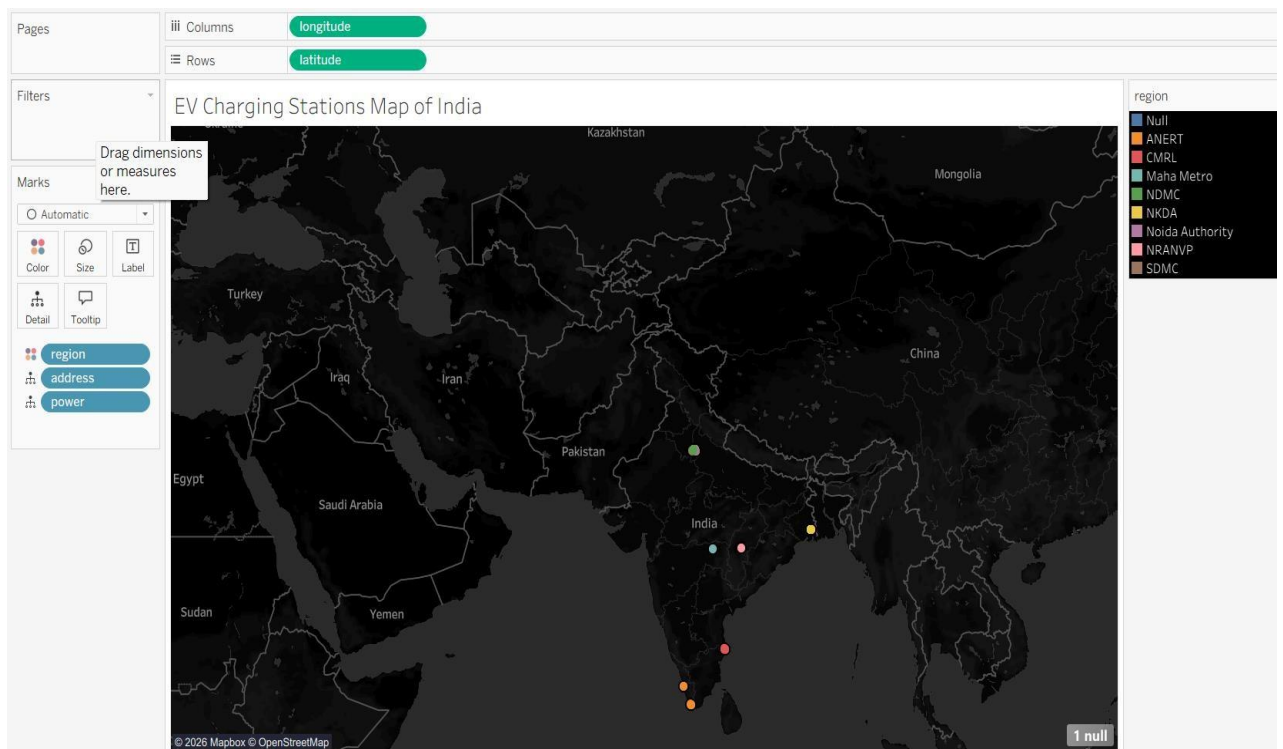
COUNT([PowerTrain])

VISUALISATIONS:

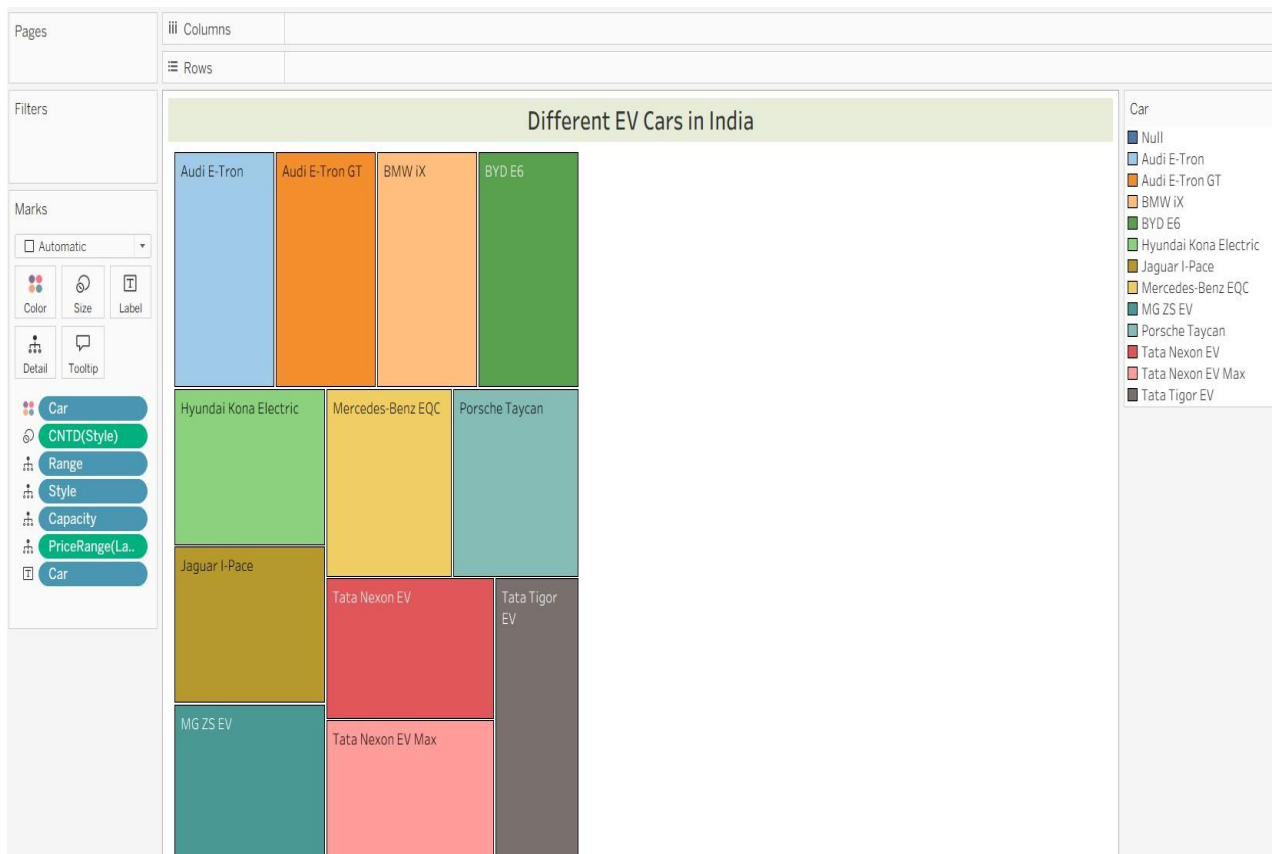
1. Charging Stations By Region And Type in India



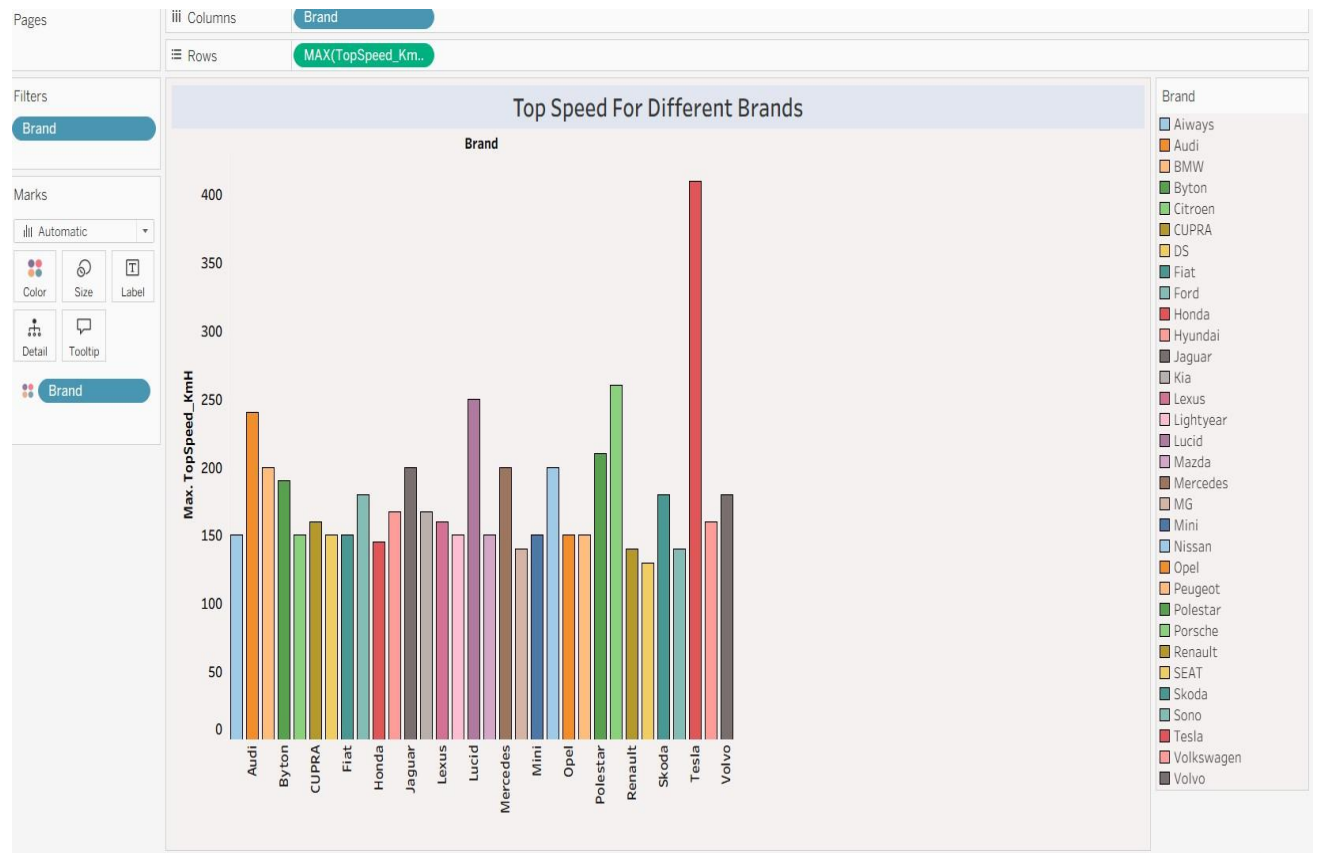
2. EV Charging Stations Map of India



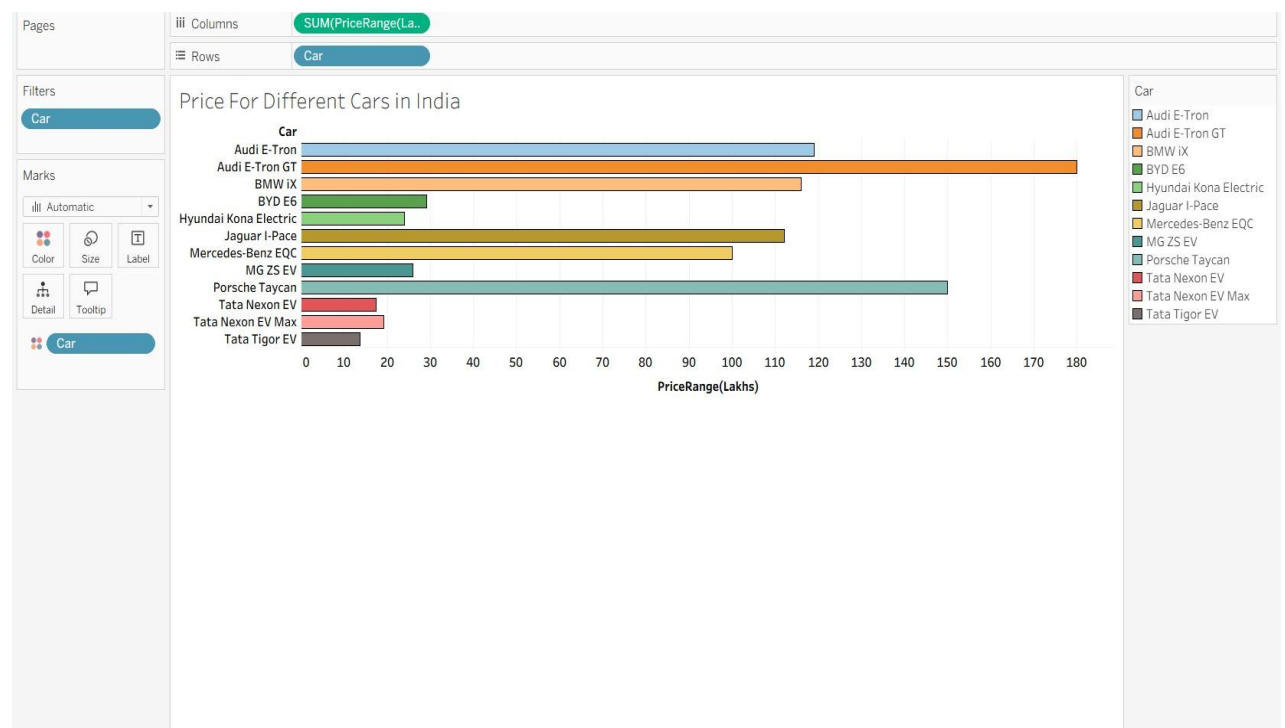
3. Different EV Cars in India



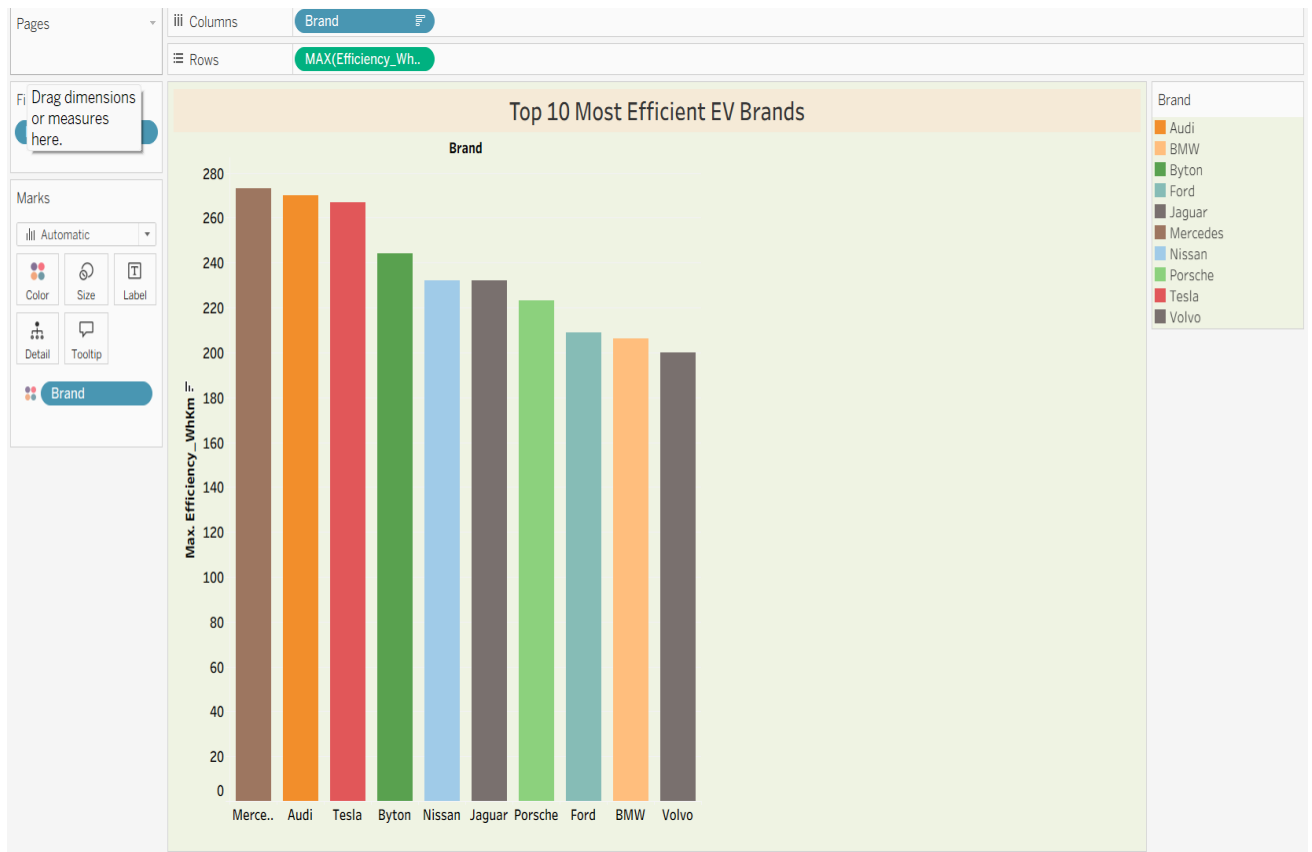
4. Top Speed For Different Brands



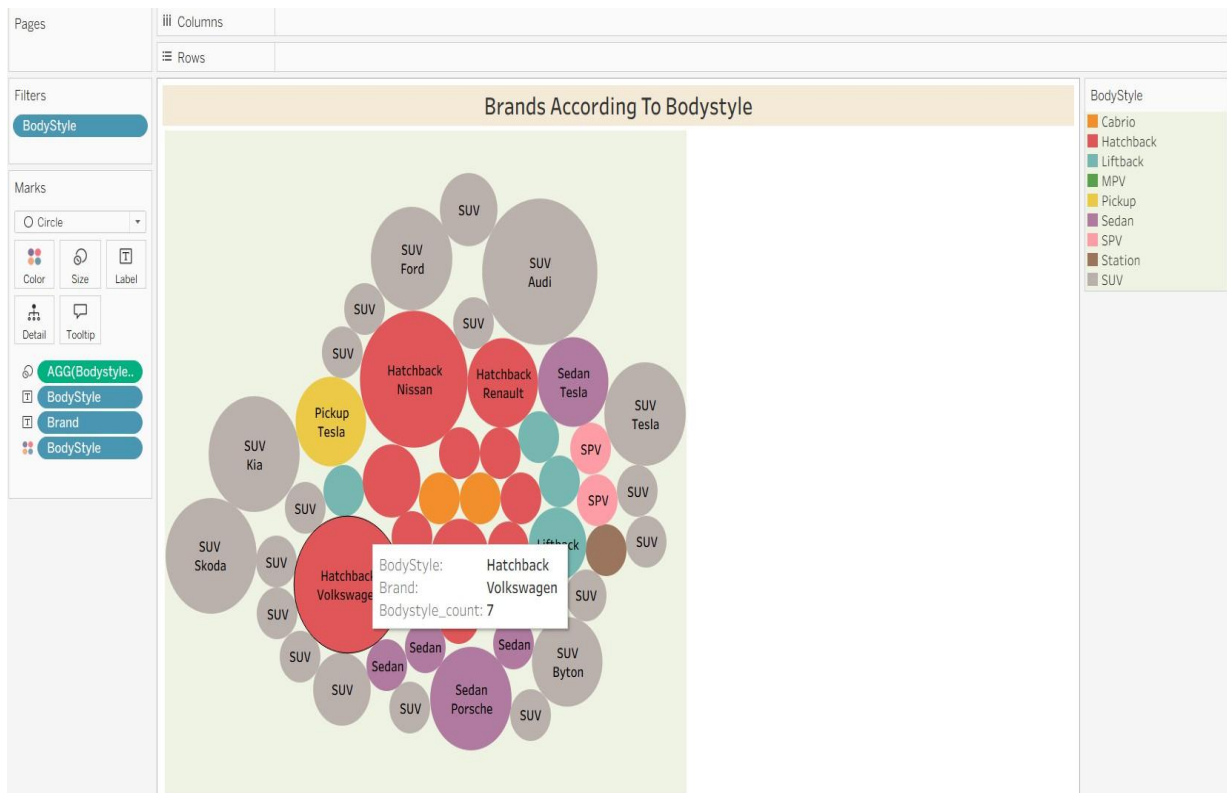
5. Price For Different Cars in India



6. Top 10 Most Efficient EV Brands



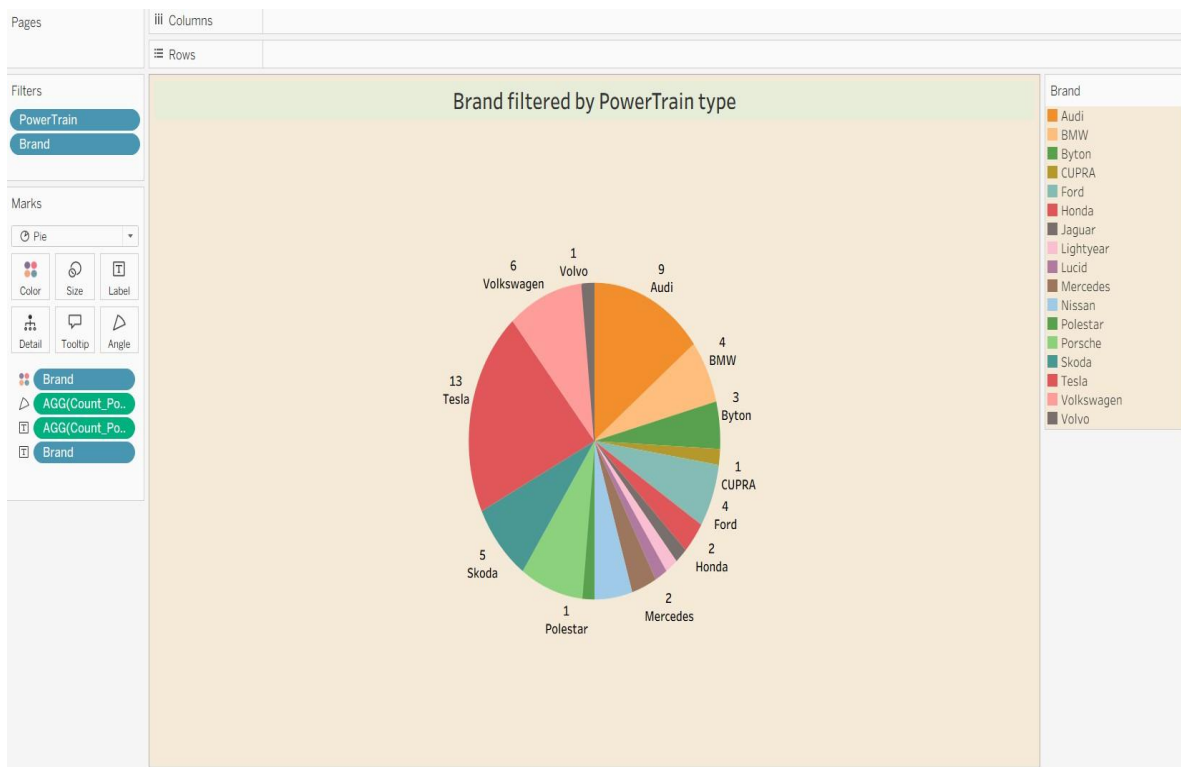
7. Brands According To Bodystyle



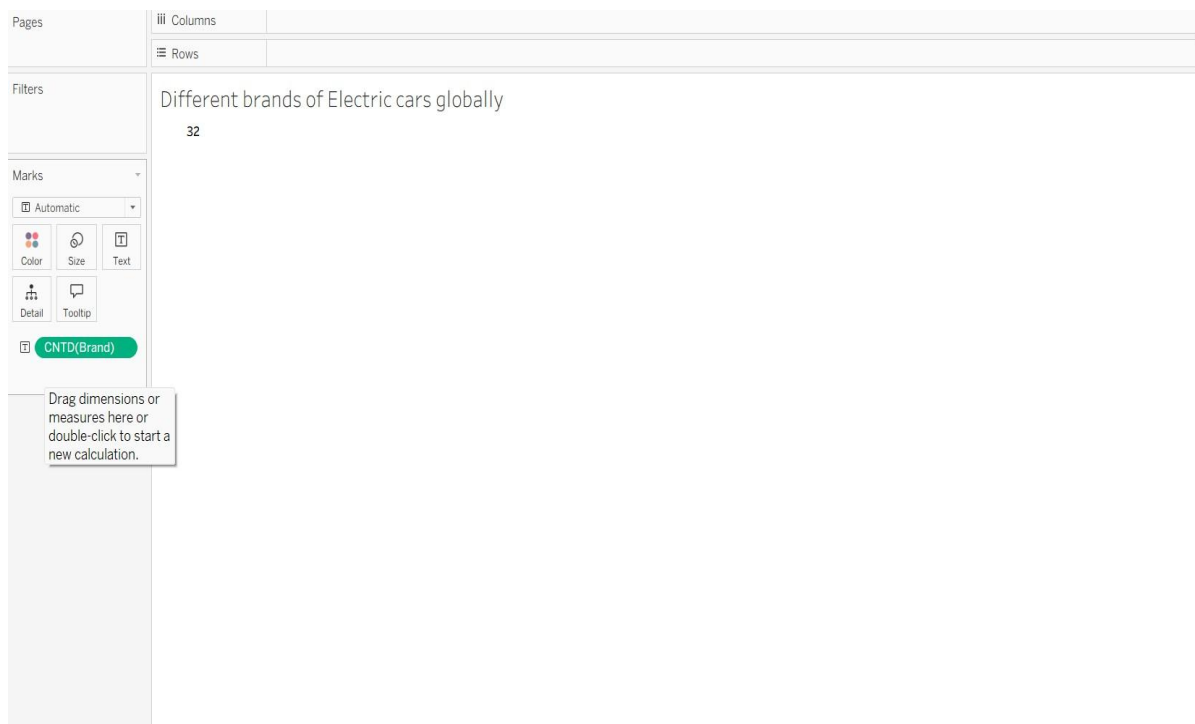
8. No Of Models By Each Brand



9. Brand Filtered By PowerTrain Type



10. Different brands of Electric cars globally



11. Different Electric Car brands in India

