VISUALIZATION TOOL FOR VEHICLE CHARGE AND RANGE ELECTRIC ANALYSIS.

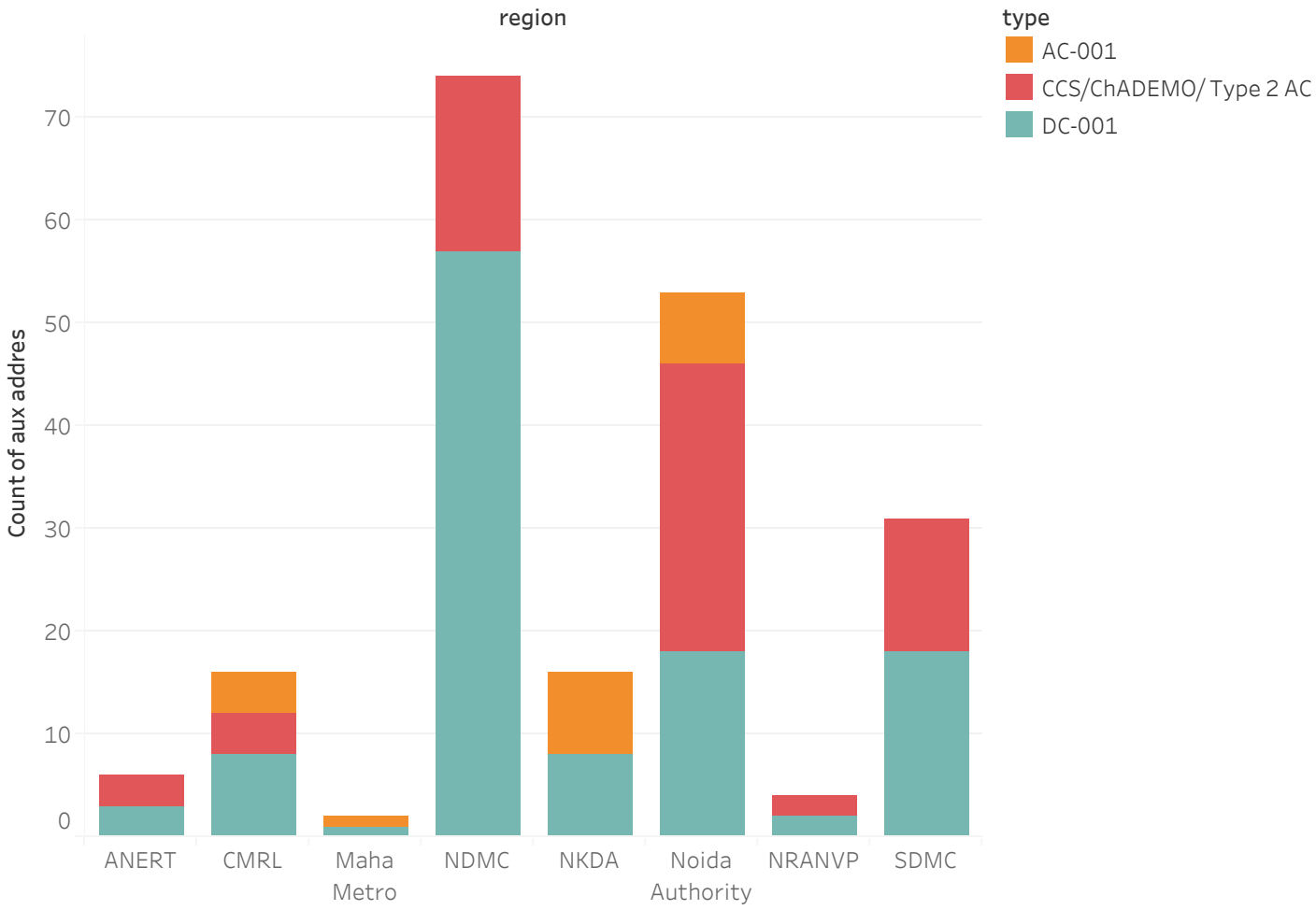
PROJECT DESCRIPTION:

A vehicle that can be powered by an electric motor that draws electricity from a battery and is capable of being charged from an external source and have an electric motor instead of an internal combustion engine.

The Electric Vehicle (EV) is not new, but it has been receiving significantly more attention in recent years. Advances in both EV analytics and battery technologies have led to increased automotive market share. However, this growth is not attributed to hardware alone. The modern mechatronic vehicle marries electrical storage and propulsion systems with electronic sensors, controls, and actuators, integrated closely with software, secure data transfer, and data analysis, to form a comprehensive transportation solution. Advances in all these areas have contributed to the overall rise of EV's, but the common thread that runs through all these elements is data analytics.

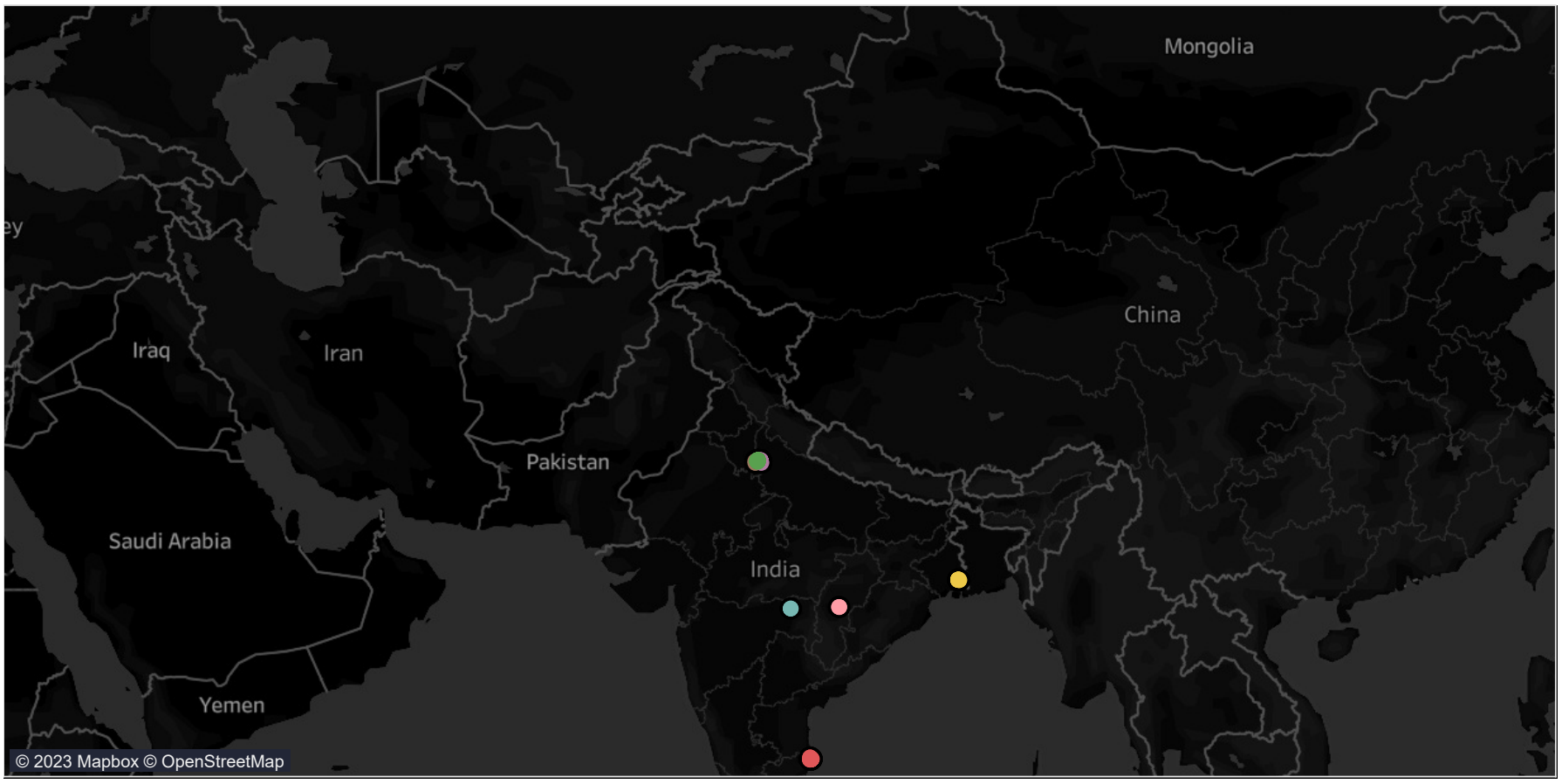
The new EV's are combined Electrical storage and propulsion systems with electronic sensors, controls, and actuators, integrated closely with software, secure data transfer to form a comprehensive transportation solution.

charging stations by region and type in india



Count of aux addres for each region. Color shows details about type. The view is filtered on region, which excludes Null.

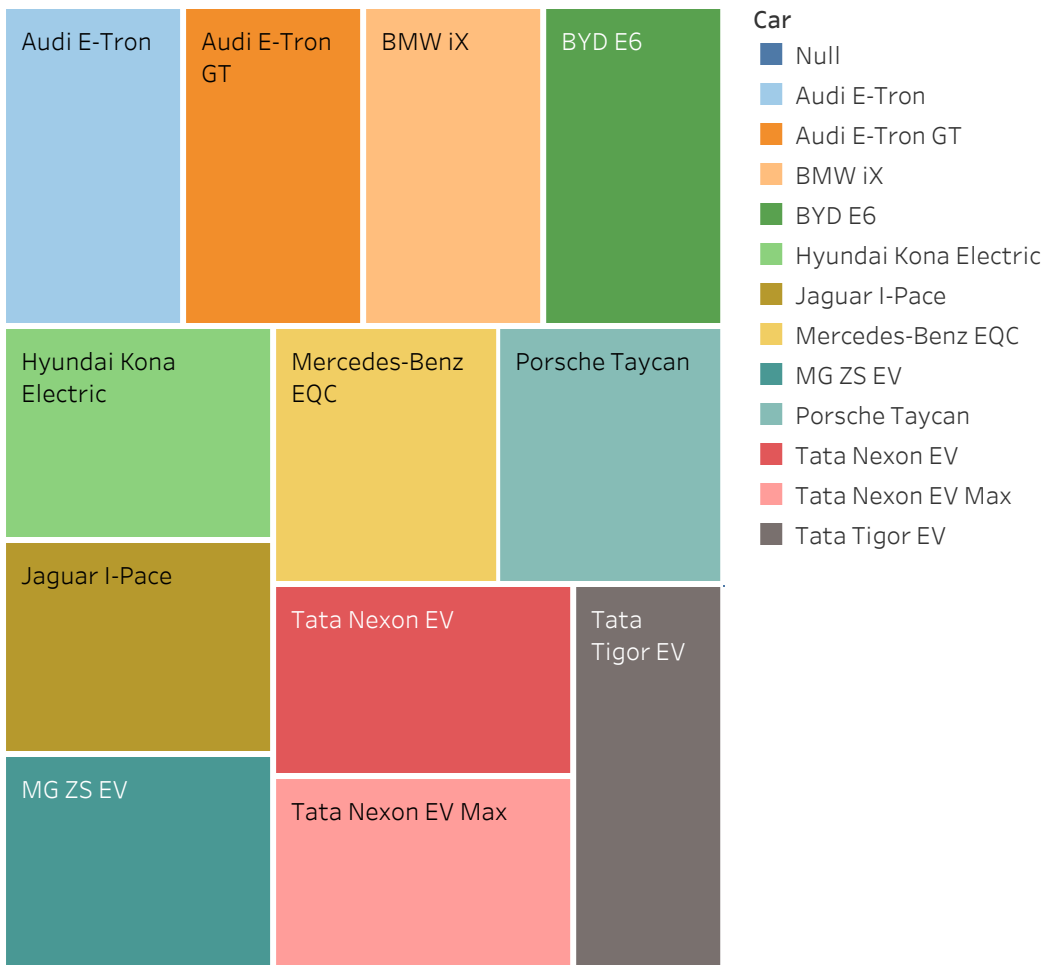
Charging station in india



region
- Null
- ANERT
- CMRL
- Maha Metro
- NDMC
- NKDA
- Noida Authority
- NRANVP
- SDMC

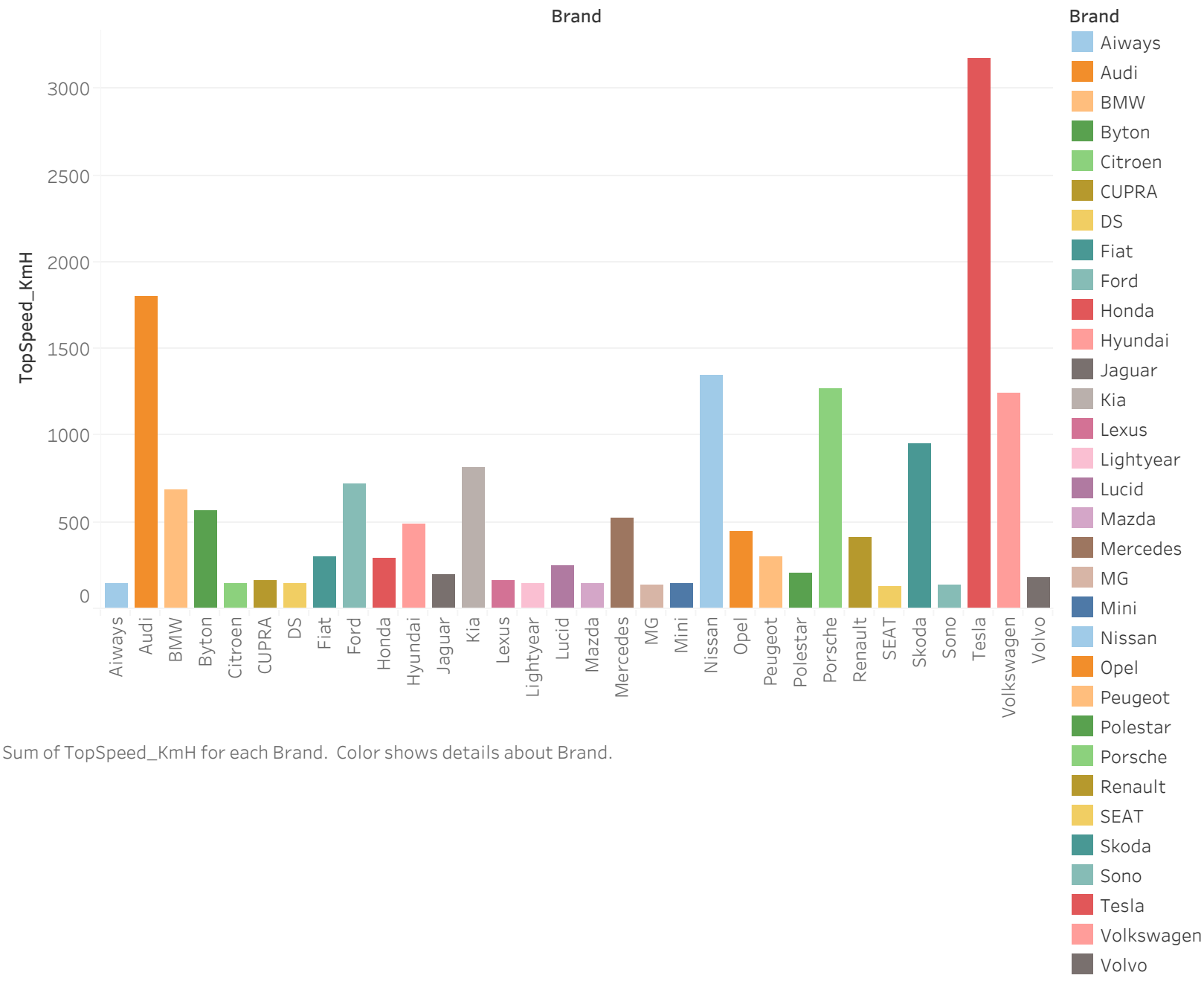
Map based on average of longitude and latitude. Color shows details about region. Details are shown for address and power.

different ev carss in india



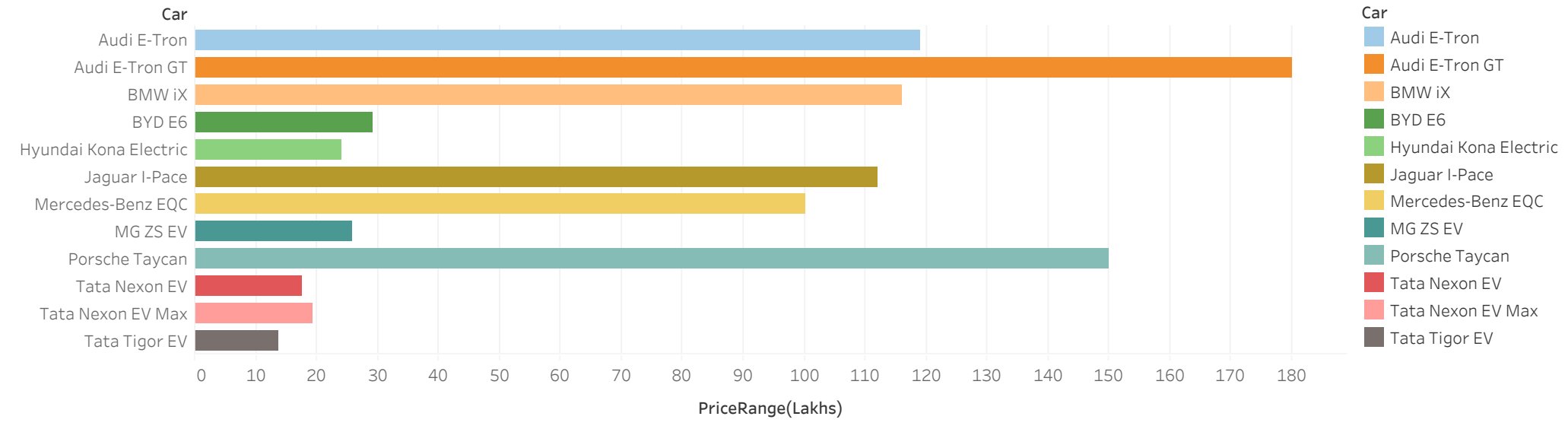
Car. Color shows details about Car. Size shows count of Style. The marks are labeled by Car. Details are shown for various dimensions.

top speed for different brands



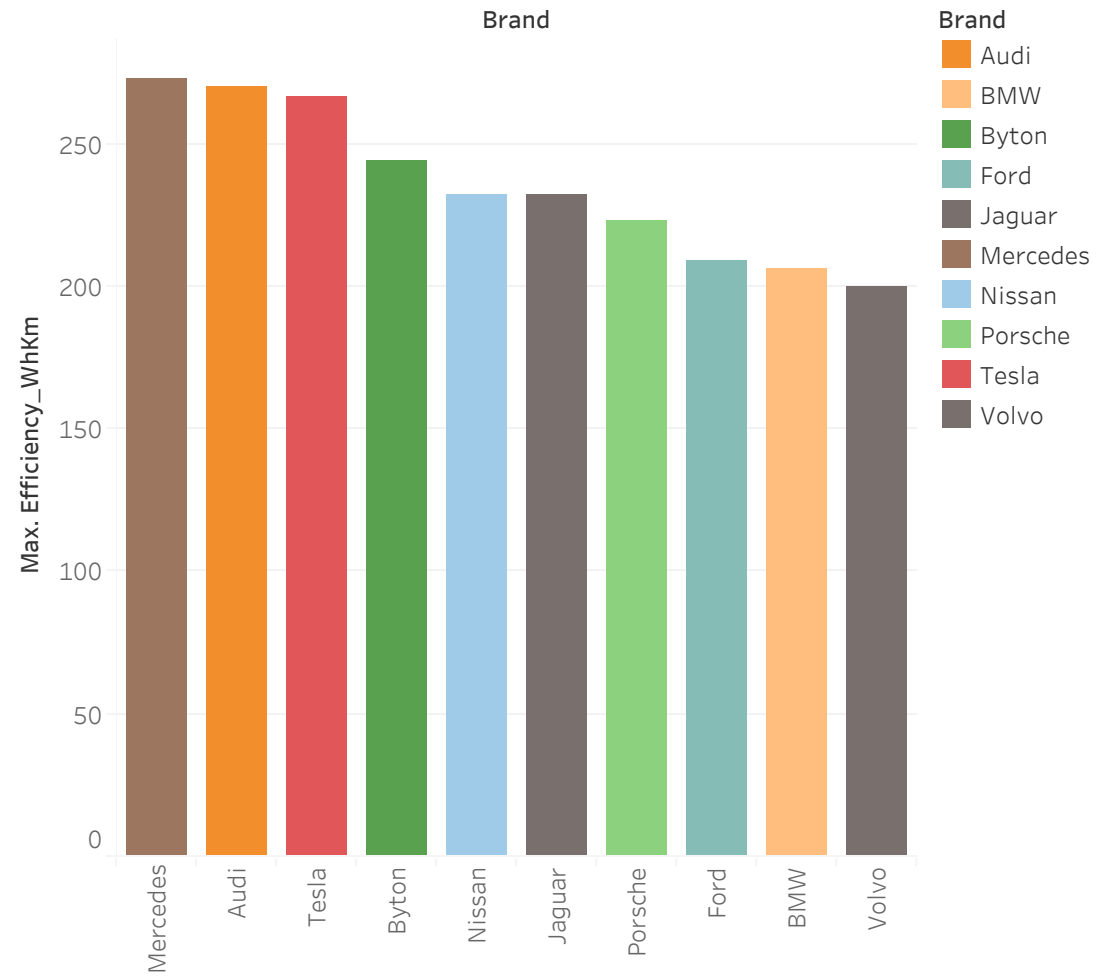
Sum of TopSpeed_KmH for each Brand. Color shows details about Brand.

price for different cars in india



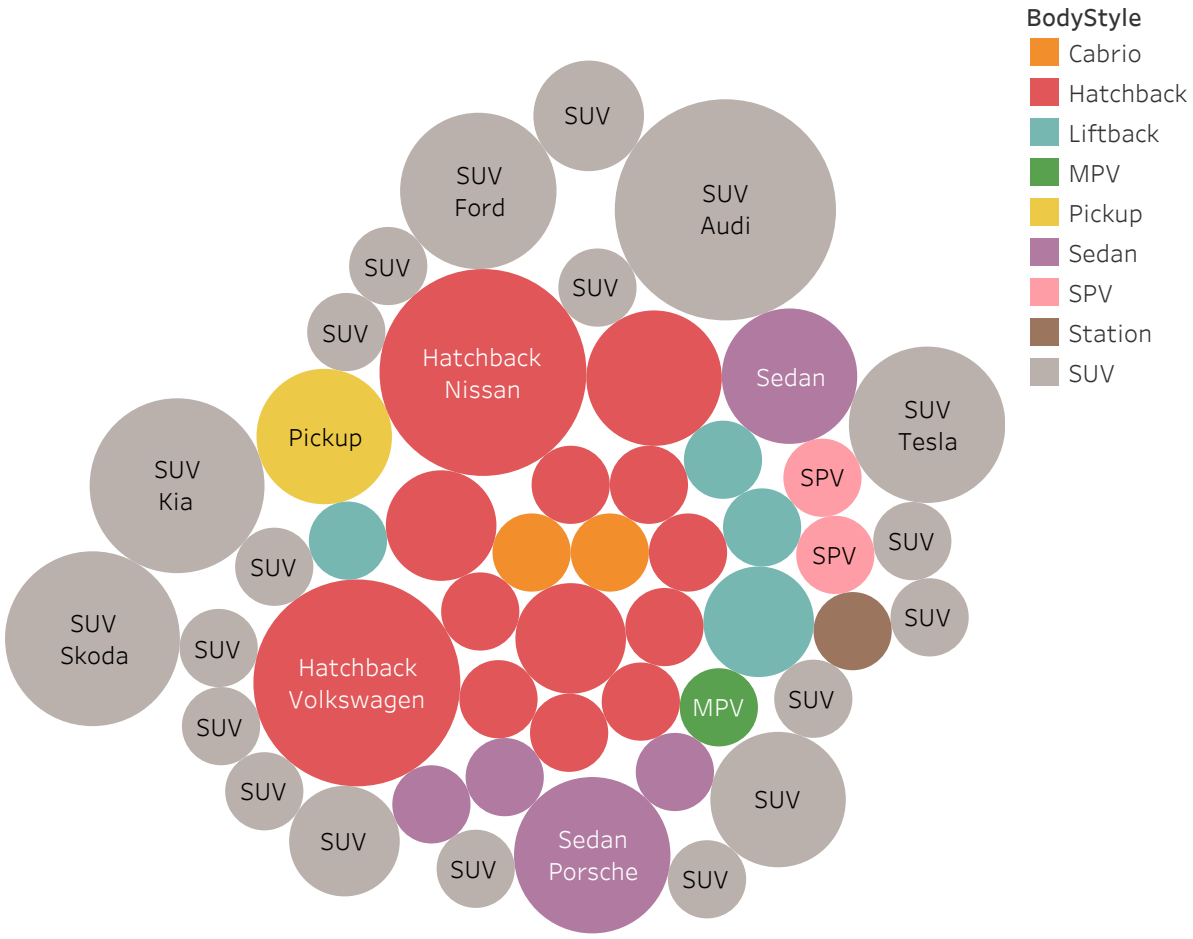
Sum of PriceRange(Lakhs) for each Car. Color shows details about Car. The view is filtered on Car, which excludes Null.

top 10 most efficient ev brands



Maximum of Efficiency_WhKm for each Brand. Color shows details about Brand.
The view is filtered on Brand, which has multiple members selected.

brands according to bodystyle

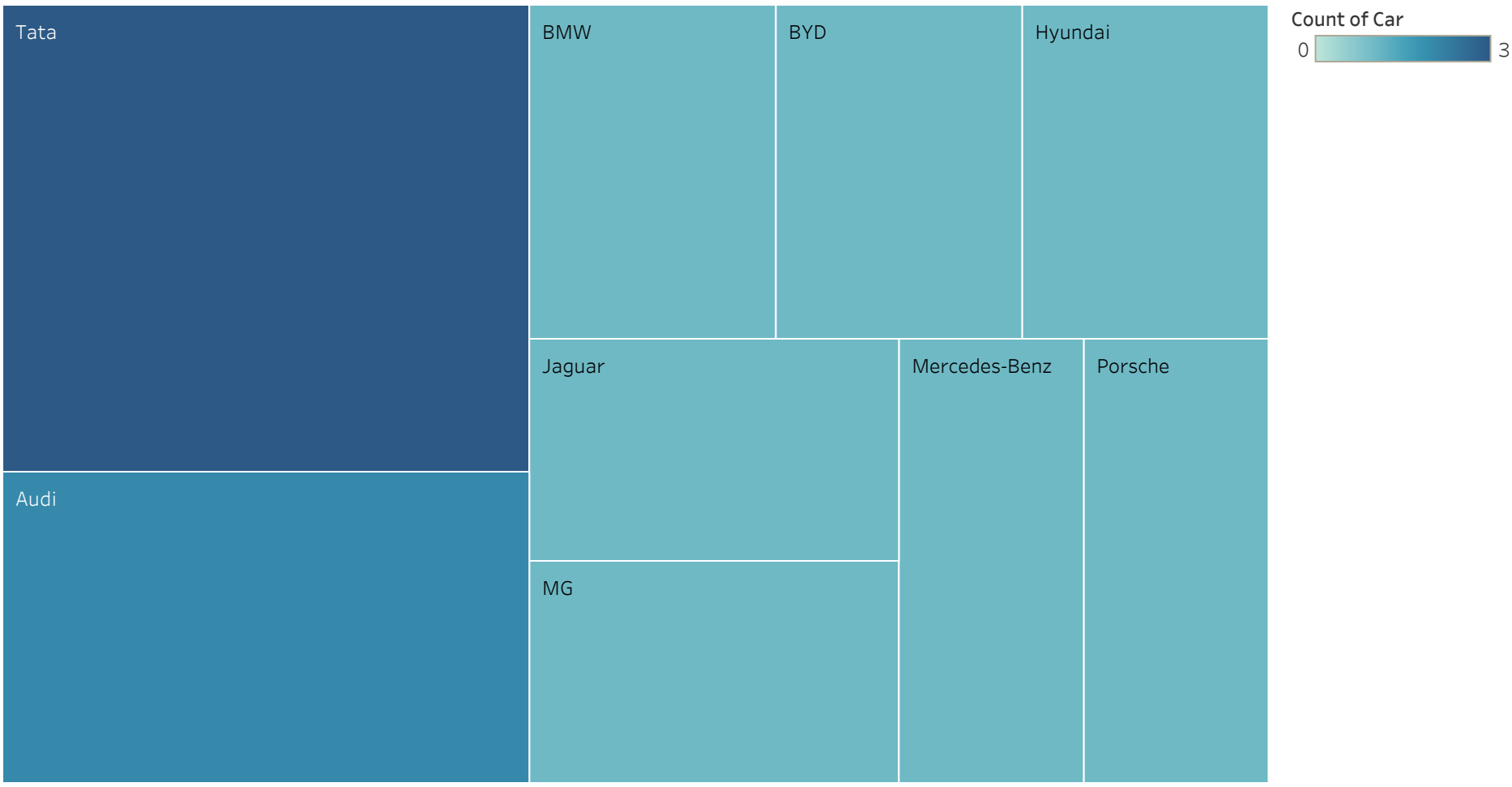


BodyStyle

- Cabrio
- Hatchback
- Liftback
- MPV
- Pickup
- Sedan
- SPV
- Station
- SUV

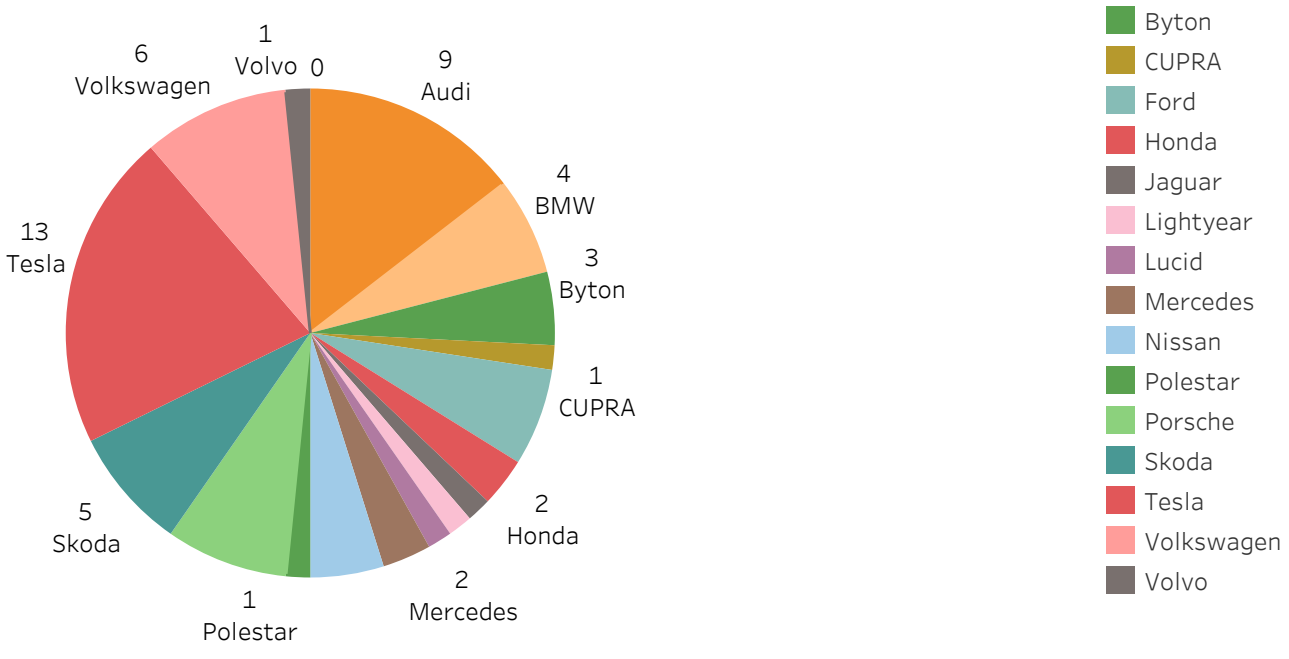
BodyStyle and Brand. Color shows details about BodyStyle. Size shows body style_count. The marks are labeled by BodyStyle and Brand. The view is filtered on BodyStyle, which excludes Null.

brand filtered by powertrain type



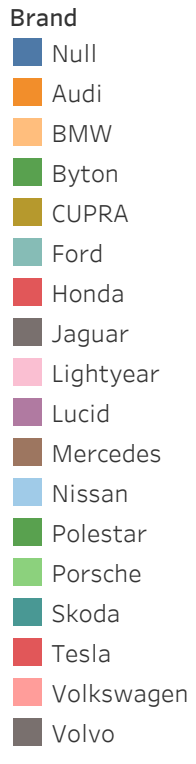
Car_brands_india. Color shows count of Car. Size shows count of Car. The marks are labeled by car_brands_india.

no of models by each brand



Count_powertrain and Brand. Color shows details about Brand. The marks are labeled by count_powertrain and Brand. The data is filtered on PowerTrain, which excludes FWD.

no of models by each brand



Count_powertrain and Brand. Color shows details about Brand. The marks are labeled by count_powertrain and Brand. The data is filtered on PowerTrain, which excludes FWD.

different brands of ev cars globally

98

Count of Brand.

different brands of ev cars in india

12

Count of car_brands_india.

Electric Car Analytics Dashboard

different brands of ev cars globally

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different brands of ev cars in india

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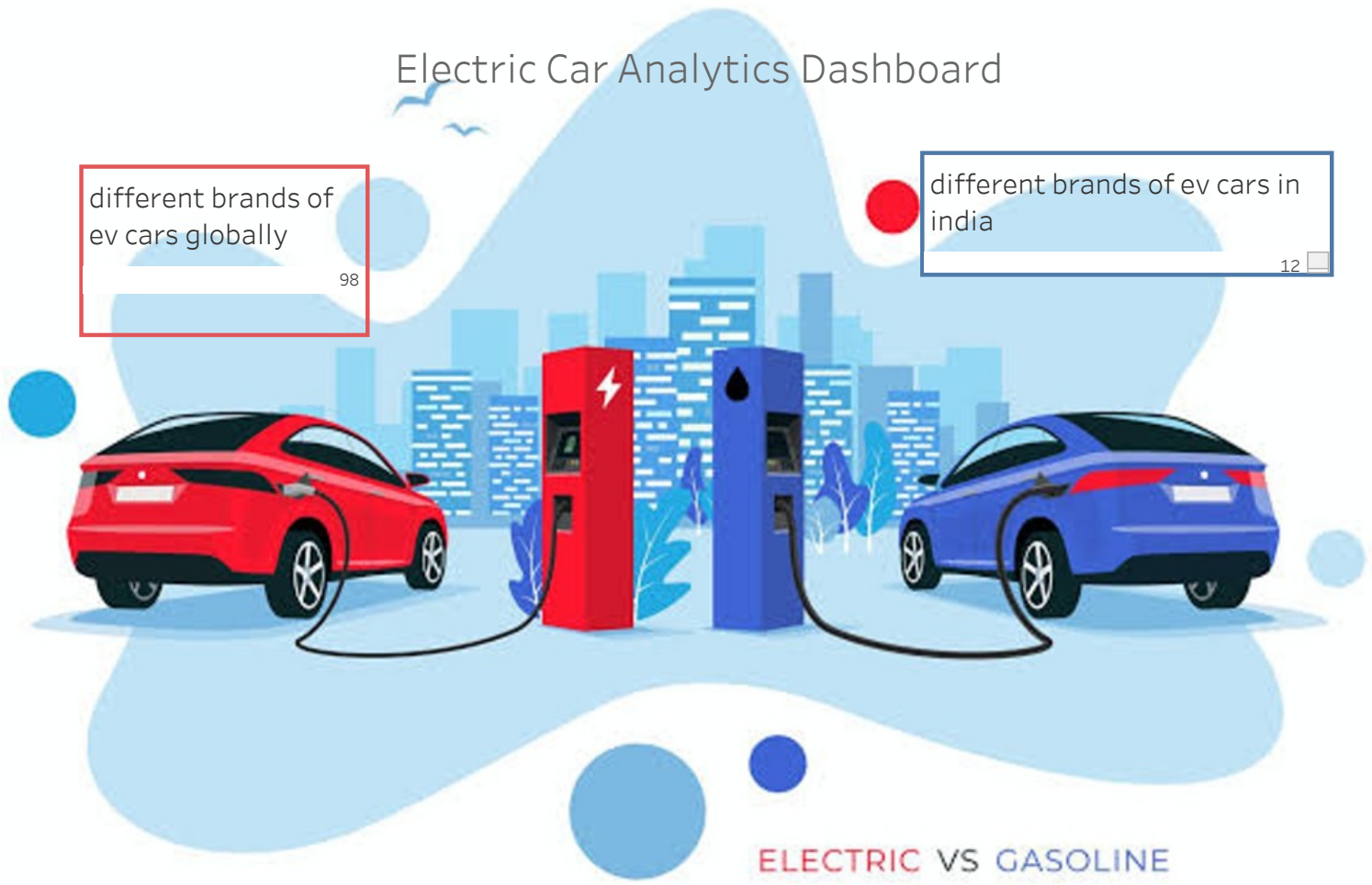

ELECTRIC VS GASOLINE

Brand
- Audi
- BMW
- Byton
- Ford
- Jaguar
- Mercedes
- Nissan
- Porsche
- Tesla
- Volvo

Car
- Null
- Audi E-Tron
- Audi E-Tron GT
- BMW iX
- BYD E6
- Hyundai Kona Electric
- Jaguar I-Pace
- Mercedes-Benz EQC
- MG ZS EV
- Porsche Taycan
- Tata Nexon EV
- Tata Nexon EV Max
- Tata Tigor EV

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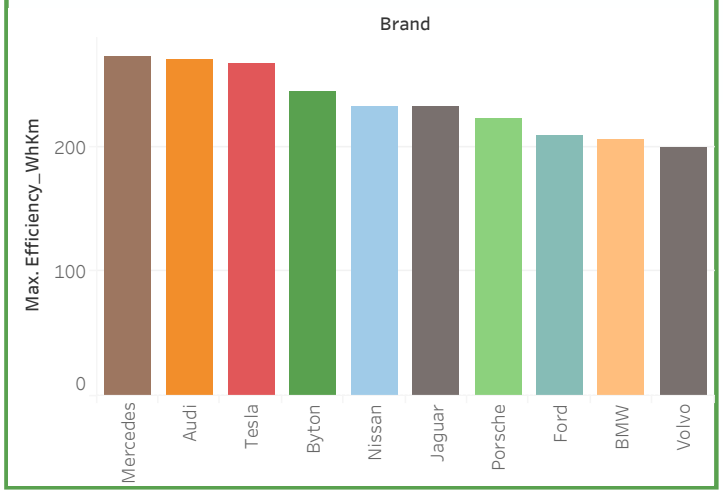

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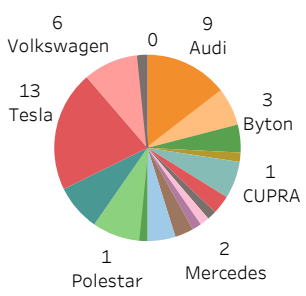

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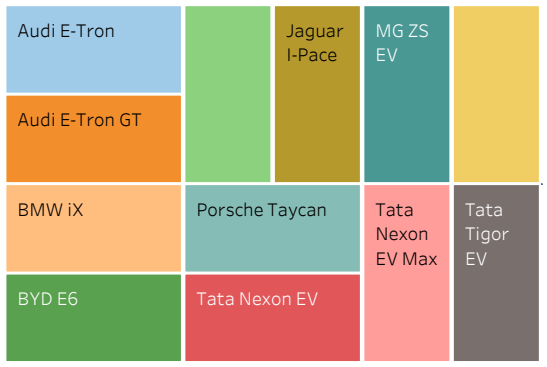
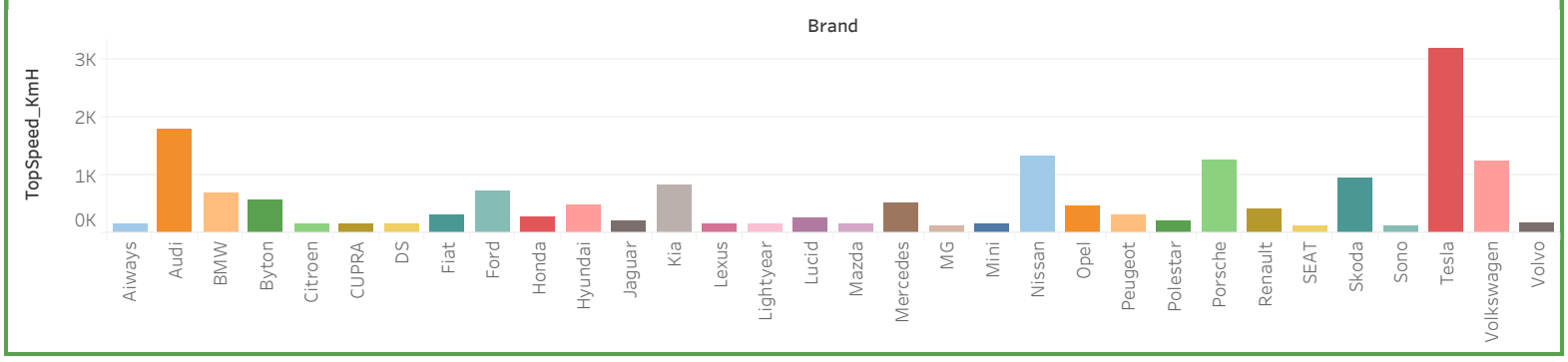
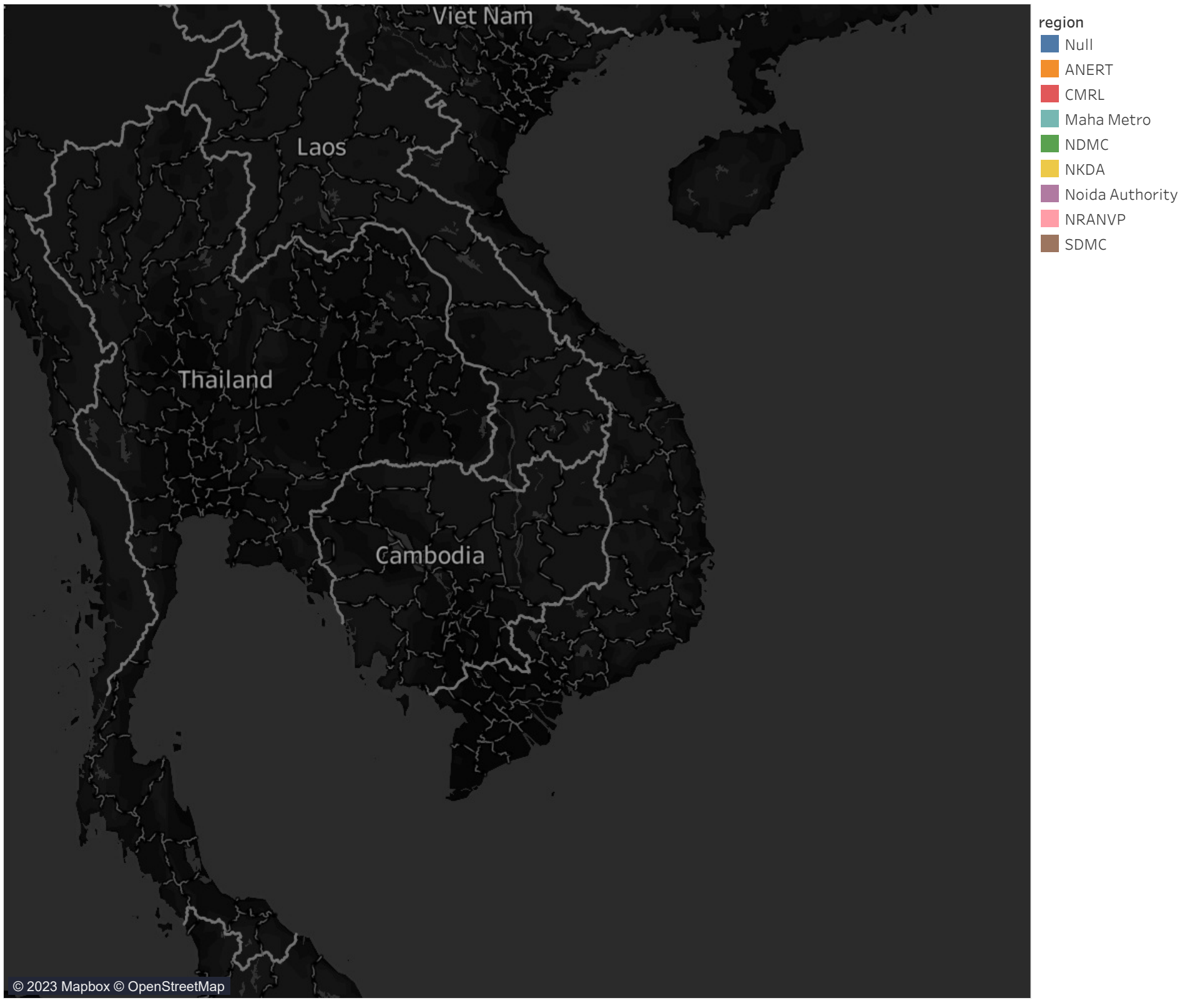


top speed for different brands



story of electric cars in india

charging station in india	charging stations by region & type	price of electric cars by different brands	different brands and number of model



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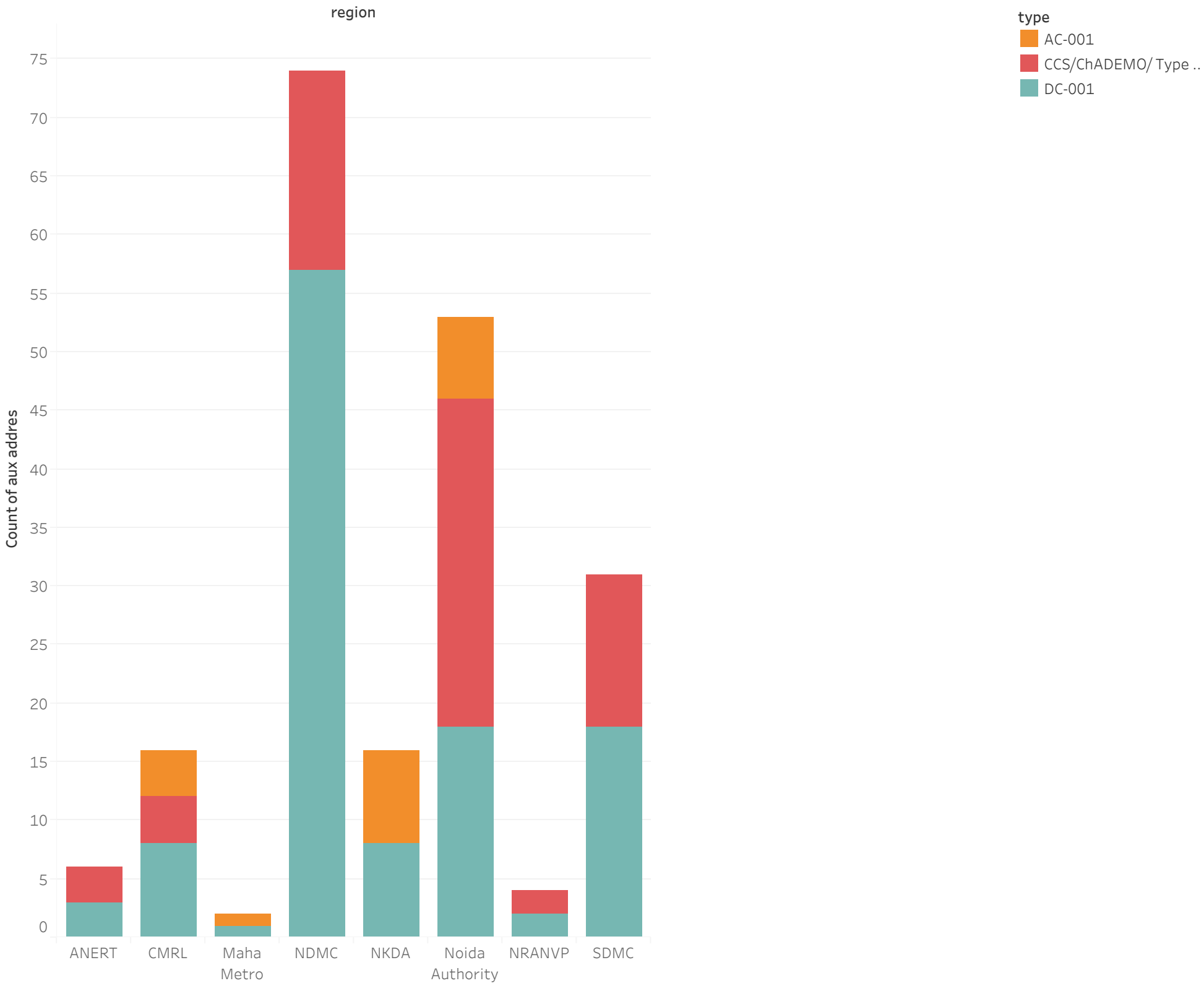

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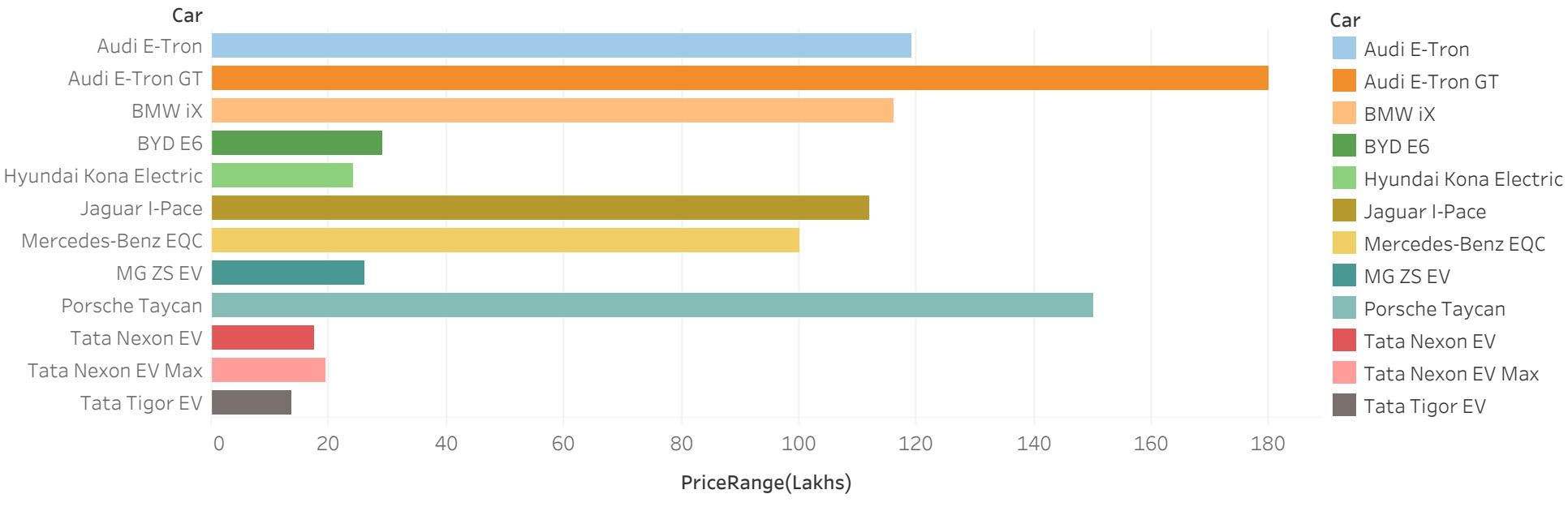

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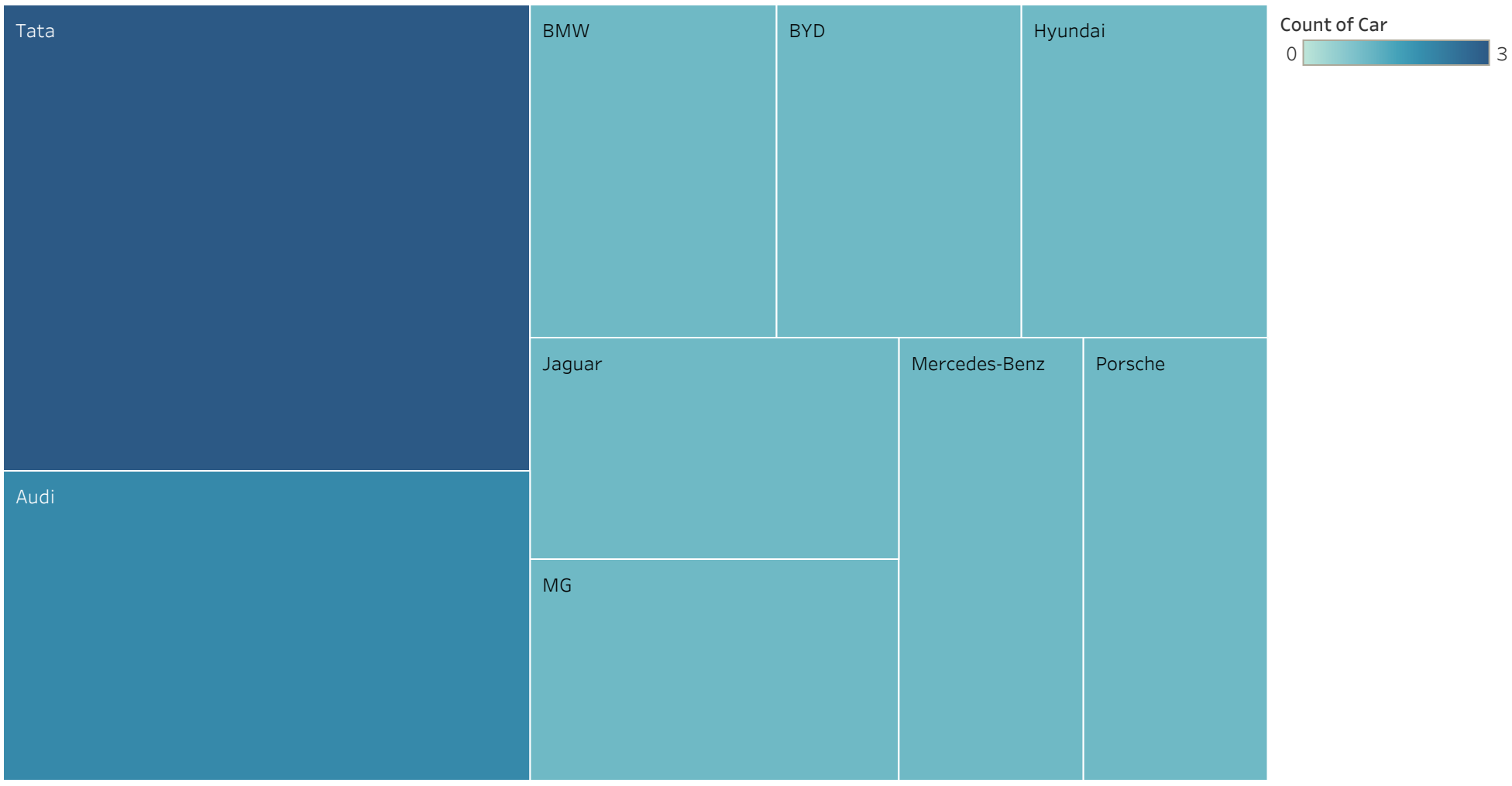

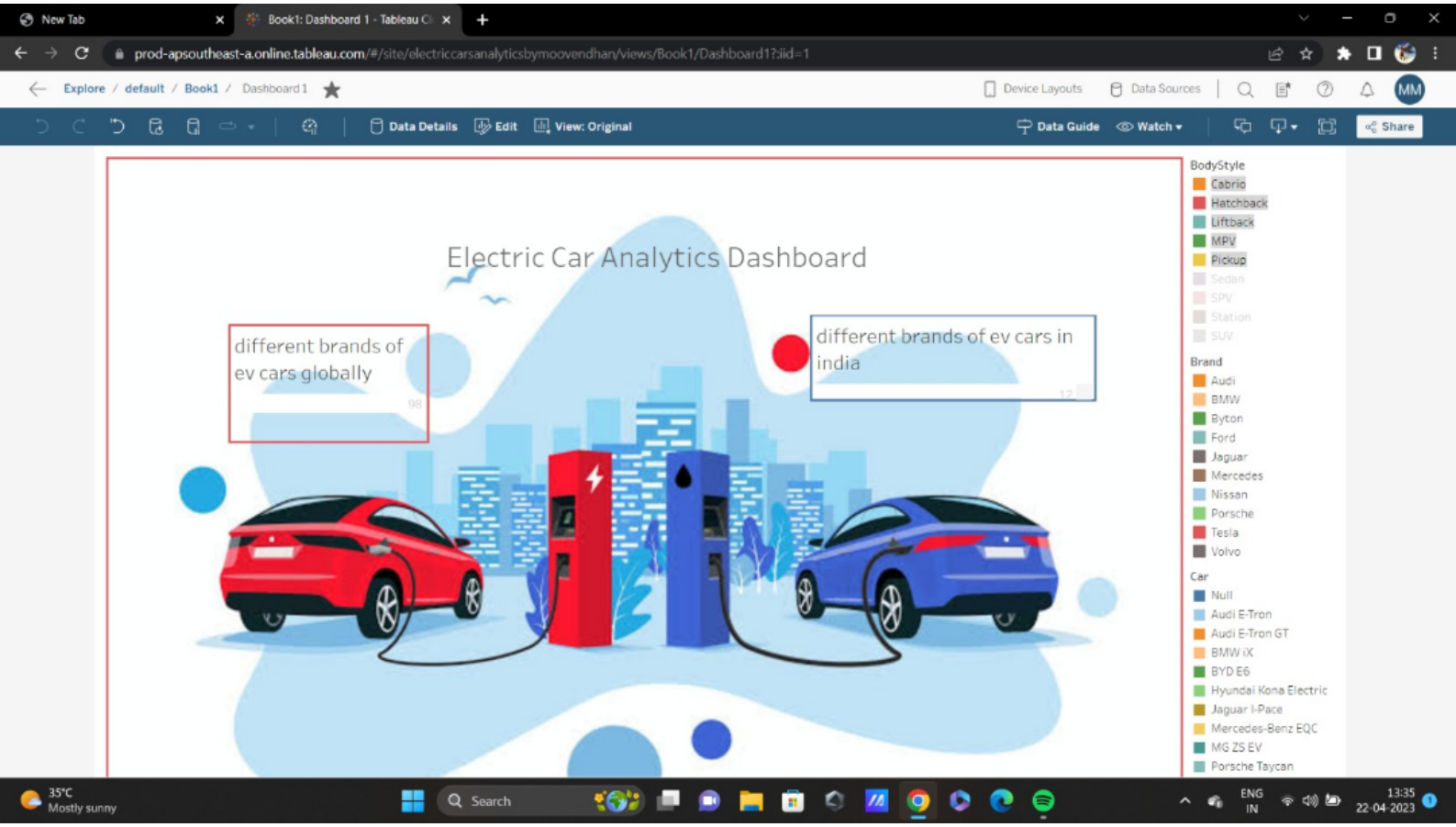
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Device Layouts
Data Sources
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Electric Car Analytics Dashboard
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Pickup
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Byton
Ford
Jaguar
Mercedes
Nissan
Porsche
Tesla
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Car
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Audi E-Tron
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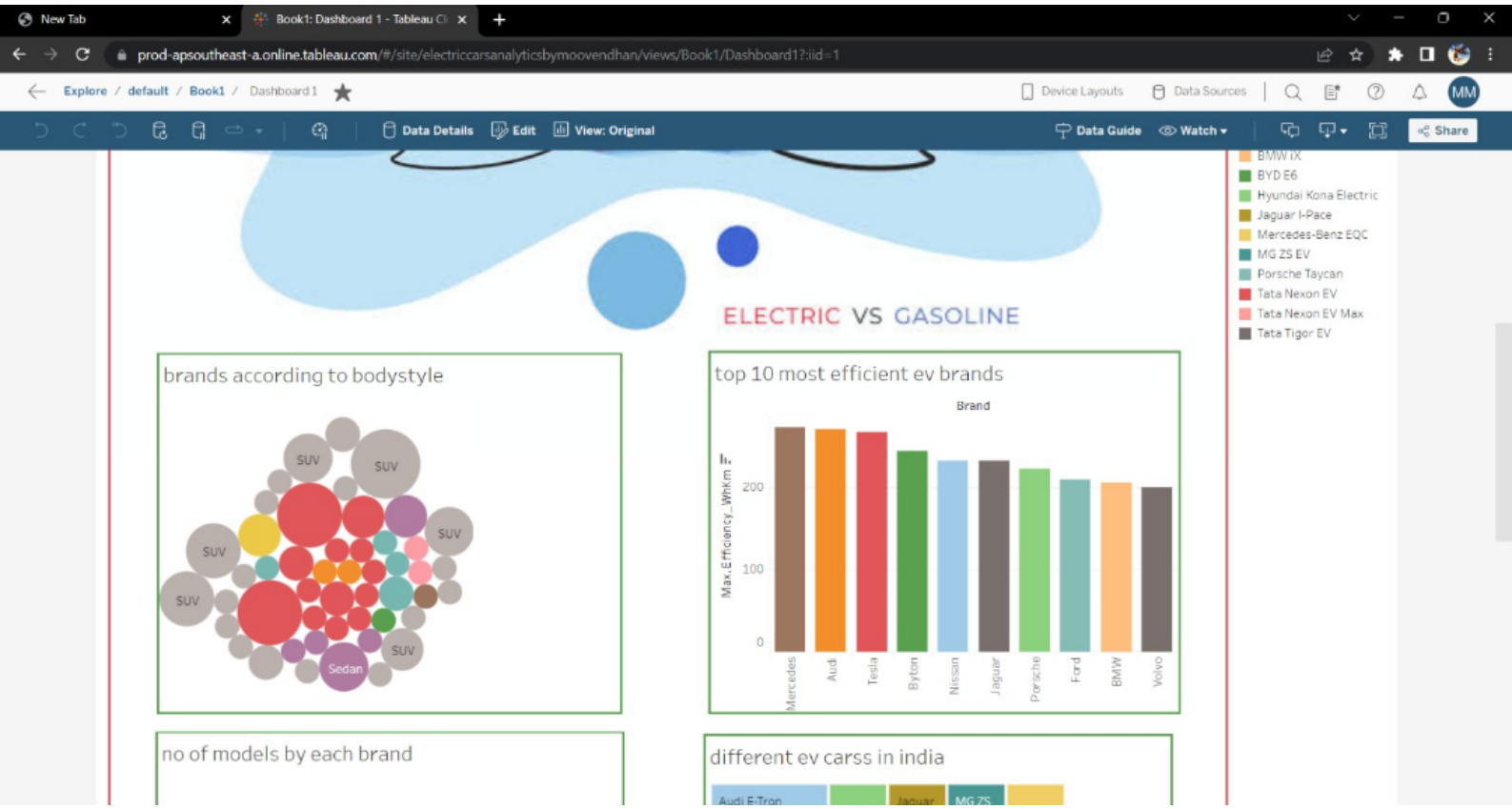
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Tata Tigor EV
brands according to bodystyle
SUV
SUV
SUV
SUV
SUV
Sedan
top 10 most efficient ev brands
Brand
Max. Efficiency_Whk m
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Mercedes
Audi
Tesla
Byton
Nissan
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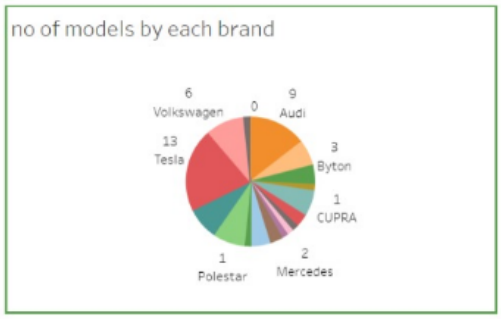
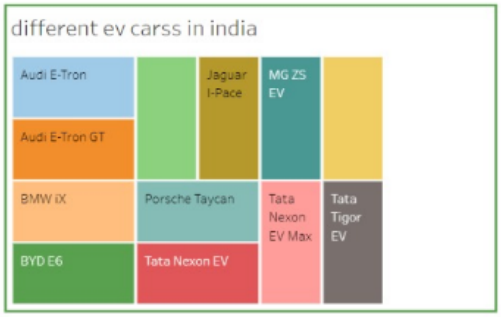
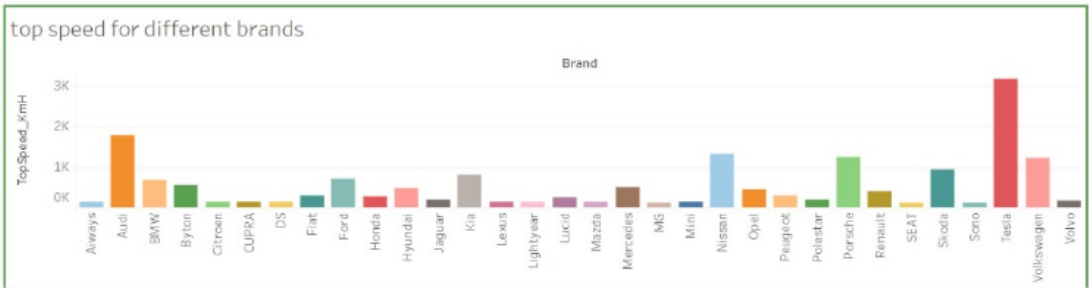
Jaguar
MG ZS

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