VISUALIZATION TOOL FOR ELECTRIC VEHICLE CHARGE AND RANGE ANALYSIS

PRAGATI ENGINEERING COLLEGE

PAKALAPATI SIVA SURYA KIRAN TEJA

DATA ANAYLTICS ON ELECTRICAL VEHICLES



Count of Cheapestelectriccars-EVDatabase.csv for each Name. Count of Cheapestelectriccars-EVDatabase.csv Aiways U5 Audi e-tron 50 quattro Audi e-tron 55 quattro Audi e-tron GT quattro Audi e-tron GT RS Audi e-tron S 55 quattro Audi e-tron S Sportback 5.. Audi e-tron Sportback 50 .. Audi e-tron Sportback 55 .. Audi Q4 e-tron 35 Audi Q4 e-tron 40 Audi Q4 e-tron 45 quattro Audi Q4 e-tron 50 quattro Audi Q4 Sportback e-tron ... Audi Q4 Sportback e-tron .. Audi Q4 Sportback e-tron .. Details are shown for Efficiency. BMW i3 120 Ah BMW i3s 120 Ah BMW i4 eDrive40 BMW i4 M50 BMW iX xDrive40 BMW iX xDrive50 BMW iX3 Byton M-Byte 72 kWh 2WD Byton M-Byte 95 kWh 2WD Byton M-Byte 95 kWh 4WD Citroen e-C4 Citroen e-SpaceTourer M 5.. Citroen e-SpaceTourer M 7... Citroen e-SpaceTourer XL .. Citroen e-SpaceTourer XL .. Citroen e-SpaceTourer XS ..

ACCELERATION OF

THE VEHICLE FOR DIFFERENT BRANDS IN INDIA

ACCELERATION OF

THE VEHICLE FOR DIFFERENT BRANDS IN INDIA

$Count of Cheapestelectric cars-EVD at a base. csv \ for each \ Name. \ Details \ are shown for \ Efficiency.$ Count of Cheapestelectriccars-EVDatabase.csv Kia EV6 Long Range 2WD Kia EV6 Long Range AWD Kia EV6 Standard Range 2.. Lexus UX 300e Lightyear One Lucid Air Grand Touring Lucid Air Pure Lucid Air Touring Mazda MX-30 Mercedes EQA 250 Mercedes EQA 300 4MATIC Mercedes EQA 350 4MATIC Mercedes EQB 350 4MATIC Mercedes EQC 400 4MATIC Mercedes EQS 450+ Mercedes EQS 580 4MATIC Mercedes EQV 300 Extra-L.. Mercedes EQV 300 Long MG Marvel R MG Marvel R Performance MG MG5 Electric MG MG5 EV MG MG5 EV Long Range MG ZS EV Mini Cooper SE Nissan Ariya 63kWh Nissan Ariya 87kWh Nissan Ariya e-40RCE 63k.. Nissan Ariya e-40RCE 87k.. Nissan Ariya e-40RCE 87k.. Nissan e-NV200 Evalia Nissan Leaf

ACCELERATION OF

THE VEHICLE FOR DIFFERENT BRANDS IN INDIA

Count of Cheapestelectriccars-EVDatabase.csv for each Name. Count of Cheapestelectriccars-EVDatabase.csv Nissan Leaf e+ Opel Ampera-e Opel Corsa-e Opel Mokka-e Opel Zafira-e Life L 50 kWh Opel Zafira-e Life L 75 kWh Opel Zafira-e Life M 50 kWh Opel Zafira-e Life M 75 kWh Opel Zafira-e Life S 50 kWh Peugeot e-208 Peugeot e-2008 SUV Peugeot e-Rifter Long 50 k... Peugeot e-Rifter Standard.. Peugeot e-Traveller Comp.. Peugeot e-Traveller Long .. Peugeot e-Traveller Long .. Details are shown for Efficiency. Peugeot e-Traveller Stand.. Peugeot e-Traveller Stand.. Polestar 2 Long Range Du.. Polestar 2 Long Range Sin.. Polestar 2 Standard Rang.. Porsche Taycan Porsche Taycan 4 Cross Tu.. Porsche Taycan 4S Porsche Taycan 4S Cross T... Porsche Taycan 4S Plus Porsche Taycan Plus Porsche Taycan Turbo Porsche Taycan Turbo Cro.. Porsche Taycan Turbo S Porsche Taycan Turbo S Cr.. Renault Kangoo Maxi ZE 33

ACCELERATION OF

THE VEHICLE FOR DIFFERENT BRANDS IN INDIA

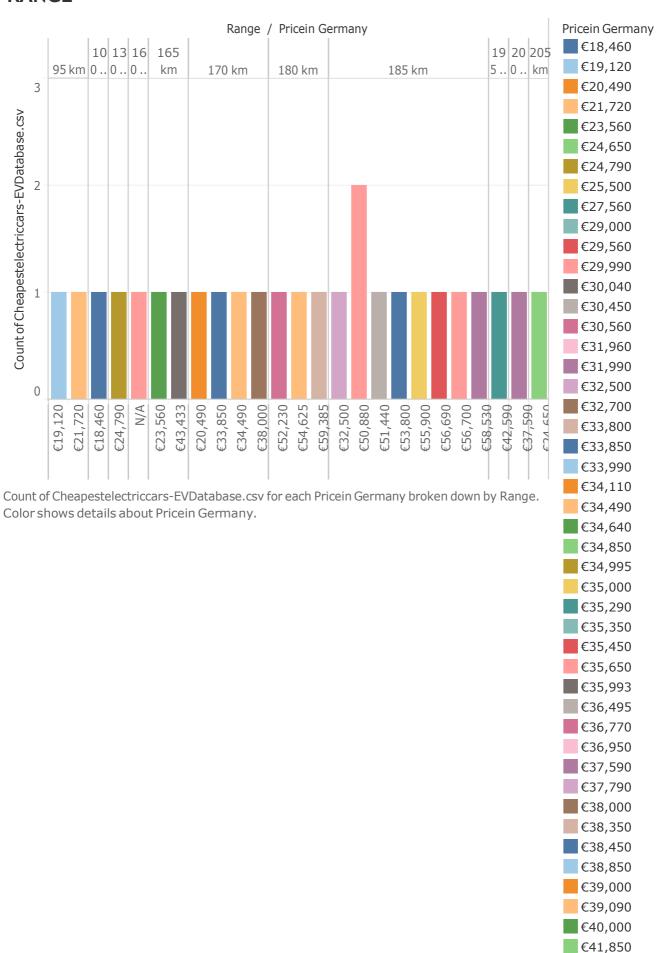
Name

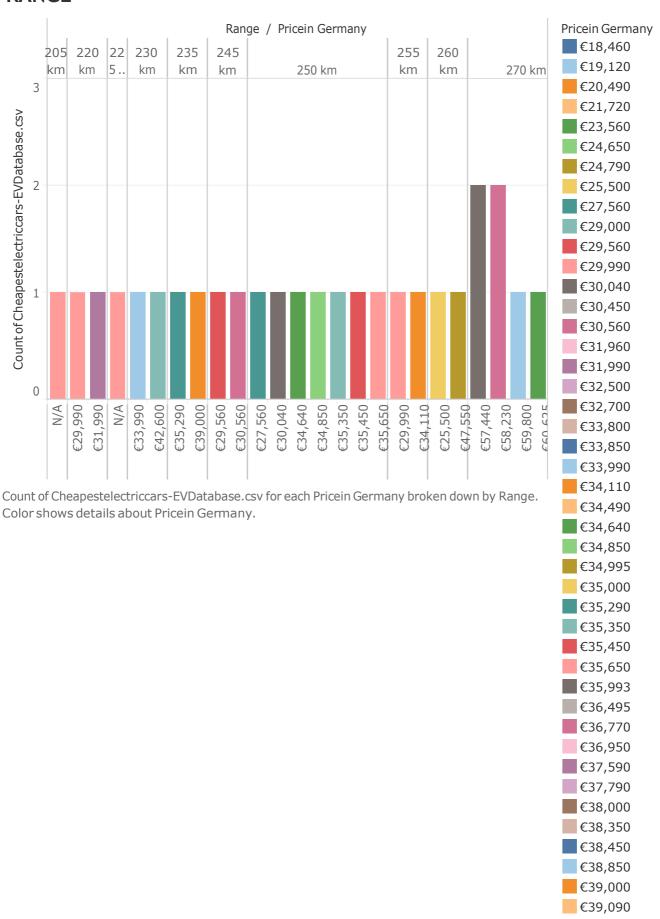
ACCELERATION OF

THE VEHICLE FOR DIFFERENT BRANDS IN INDIA

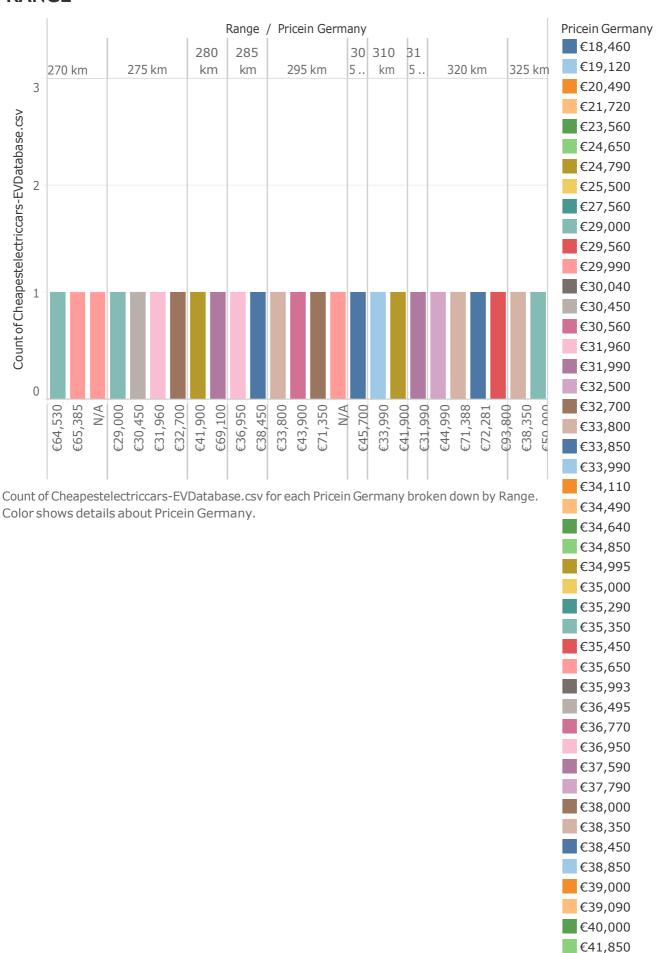
ACCELERATION OF Count of Cheapestelectriccars-EVDatabase.csv Toyota PROACE Verso M 5.. Toyota PROACE Verso M 7.. Volkswagen e-Up! Volkswagen ID.3 Pro Volkswagen ID.3 Pro Perf.. Volkswagen ID.3 Pro S Name Volkswagen ID.3 Pure Perf.. THE VEHICLE FOR DIFFERENT BRANDS IN INDIA Volkswagen ID.4 1st Volkswagen ID.4 GTX Volkswagen ID.4 Pro Perf.. Volkswagen ID.4 Pure Volkswagen ID.4 Pure Perf.. Volvo C40 Recharge Volvo XC40 Recharge Twin..

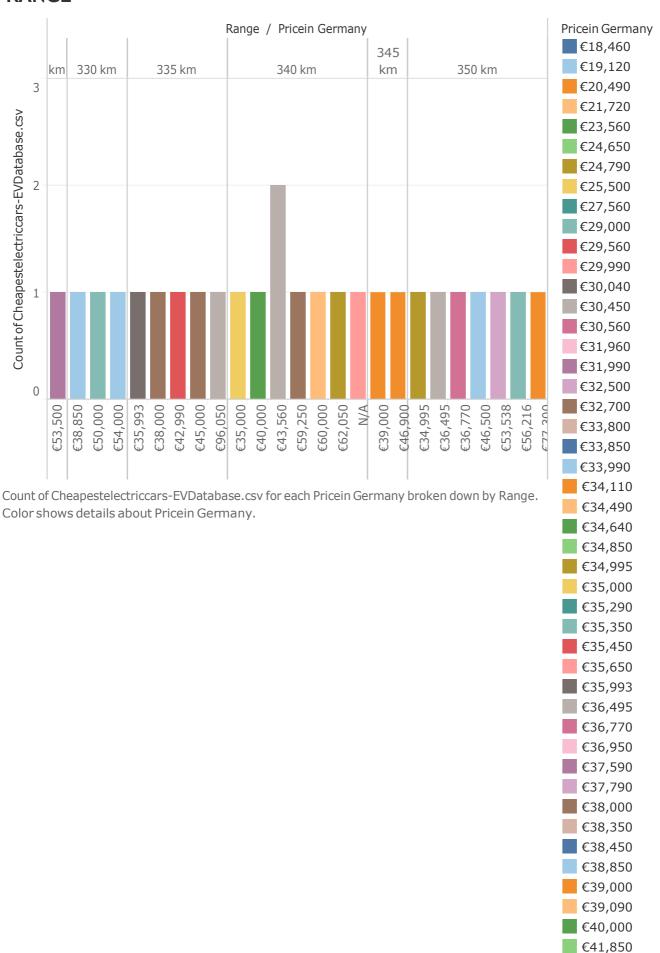


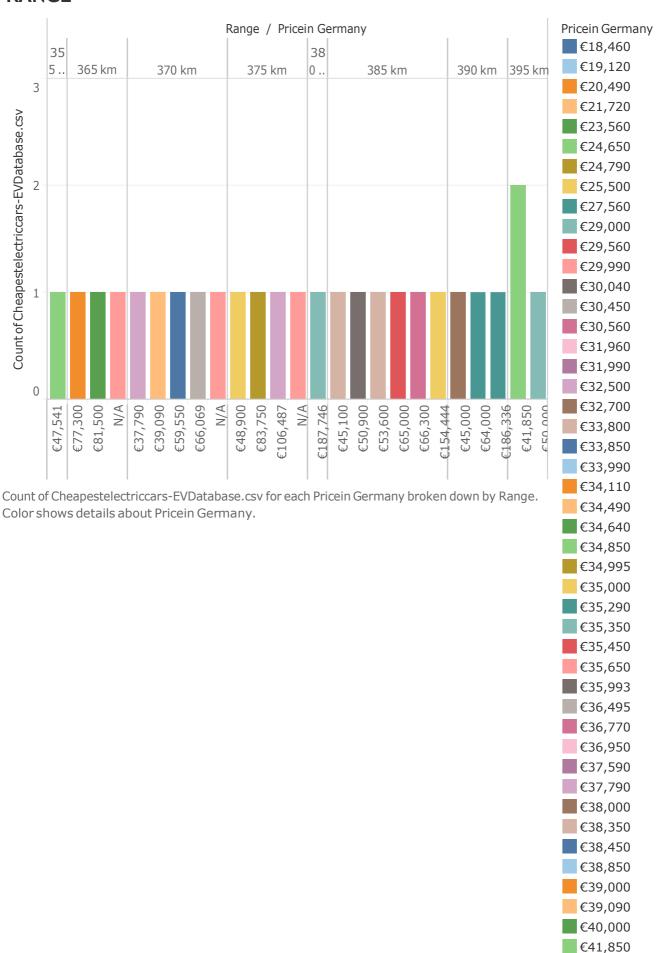


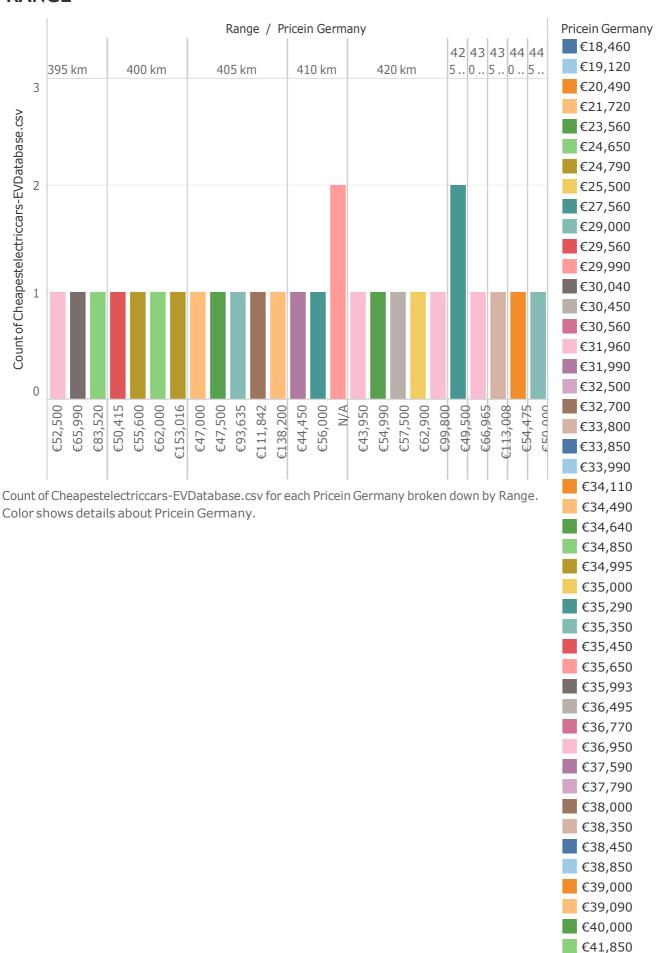


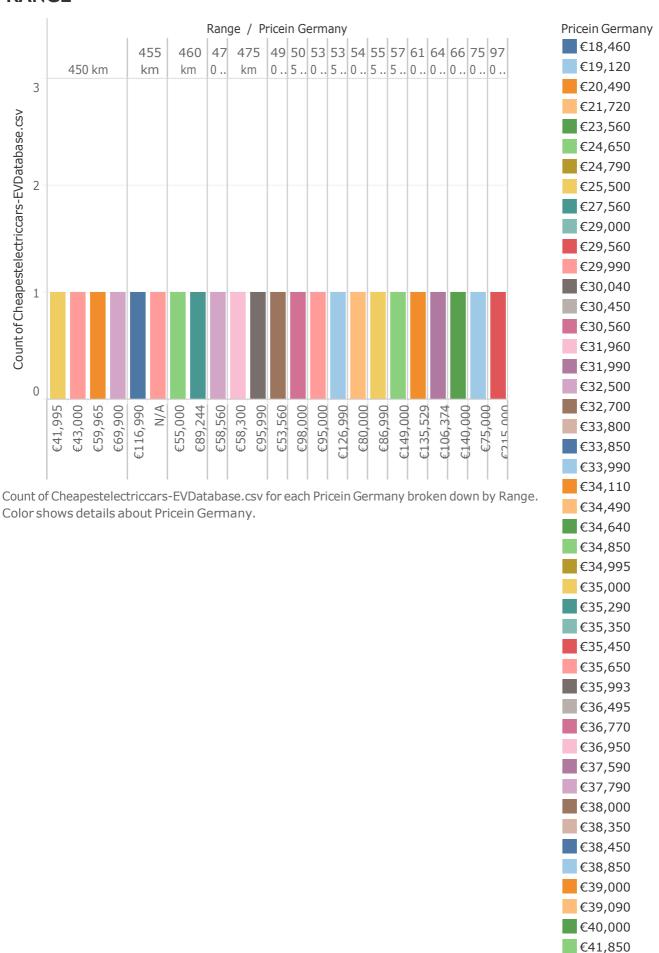
€40,000 €41,850 €41,900











INDIA DIFFERENT **BRANDS ACCORDING TO THEIR TOP SPEED IN**

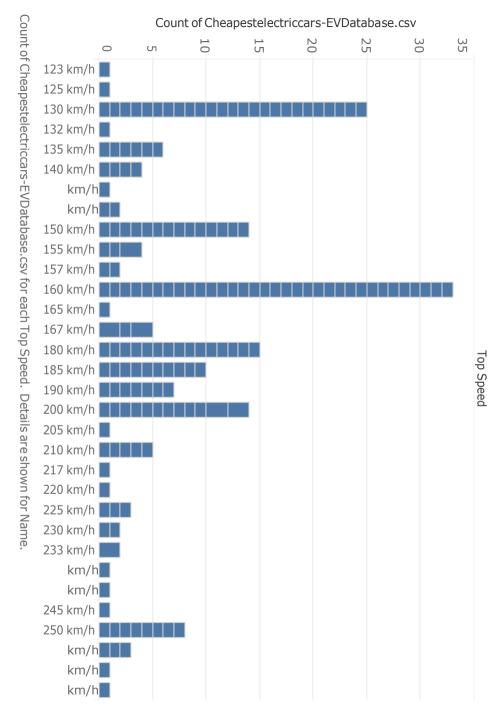






260 261



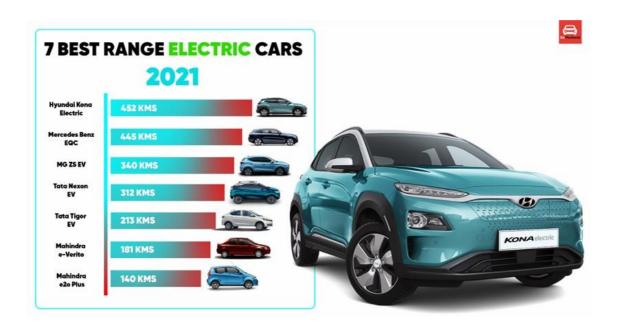


DIFFERENT BRANDS ACCORDING TO THEIR TOP SPEED IN INDIA

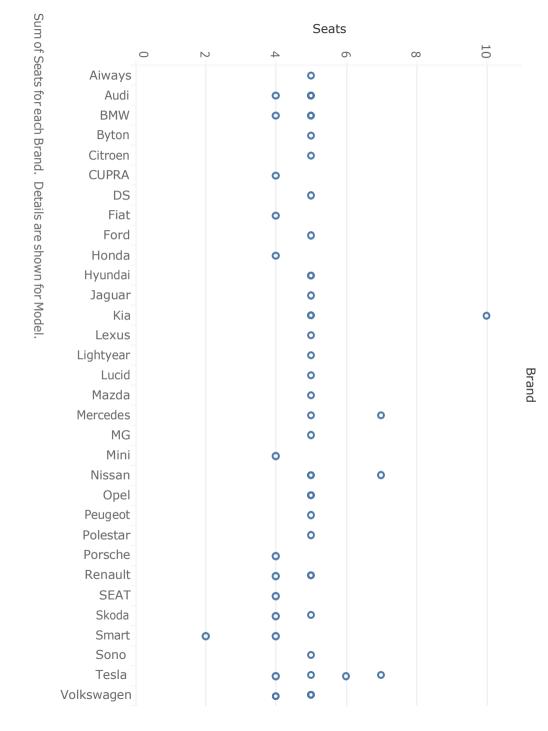


 $Count of Cheapestelectric cars-EVD at abase. csv \ for each Top \ Speed. \ Details \ are \ shown \ for \ Name.$

TOP BRANDS OF ELECTRIC VEHICLES



DIFFERENT BRANDS OF ELECTRIC VEHICLES

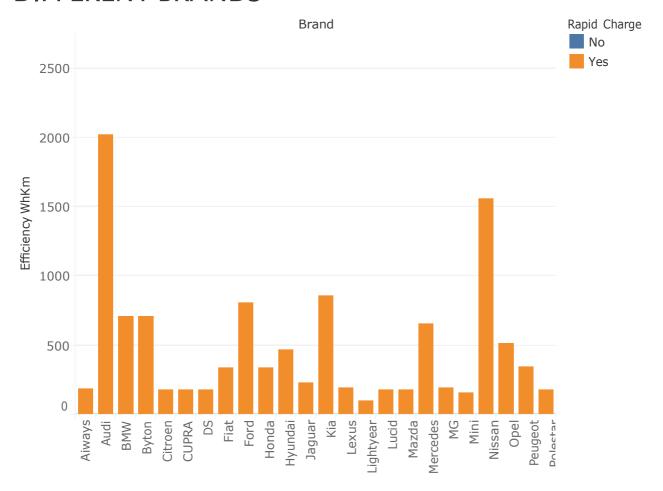


DIFFERENT BRANDS OF ELECTRIC VEHICLES



Sum of Seats for each Brand. Details are shown for Model.

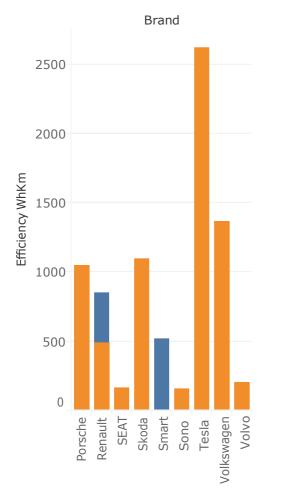
EFFICIENCY OF ELECTRIC VEHICLES IN DIFFERENT BRANDS



Sum of Efficiency WhKm for each Brand. Color shows details about Rapid Charge.

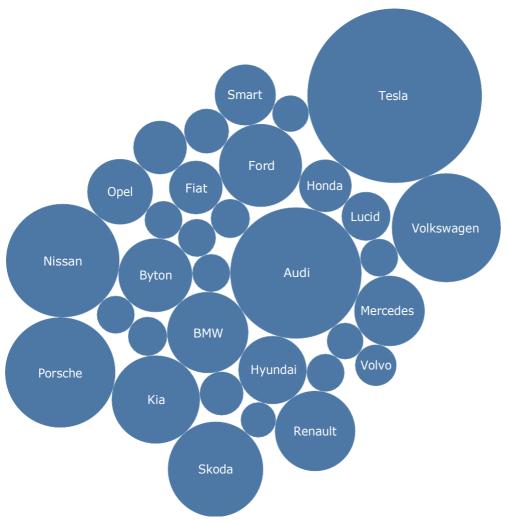
EFFICIENCY OF ELECTRIC VEHICLES IN DIFFERENT BRANDS

Rapid Charge
No
Yes



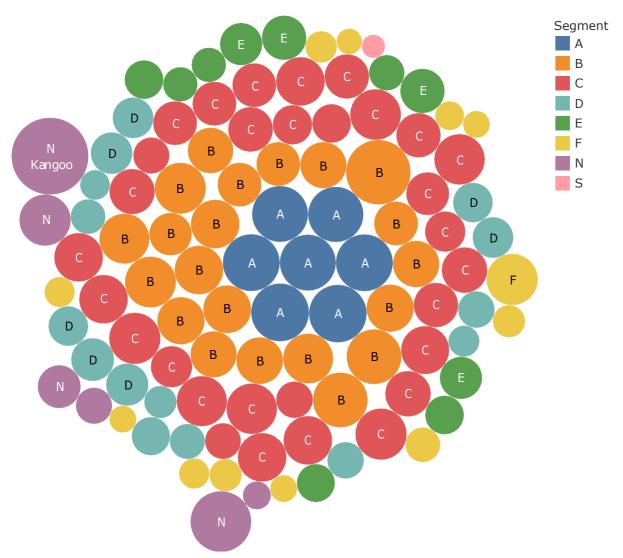
Sum of Efficiency WhKm for each Brand. Color shows details about Rapid Charge.

TOP SPEED OF DIFFERENT BRANDS IN KILO METER PER HOUR



Brand. Size shows sum of TopSpeed KmH. The marks are labeled by Brand.

ACCELERATION OF DIFFERENT BRANDS IN INDIA



Segment, Model and Brand. Color shows details about Segment. Size shows sum of Accel Sec. The marks are labeled by Segment, Model and Brand.

DETAILES OF CHARGING STATIONS IN INDIA

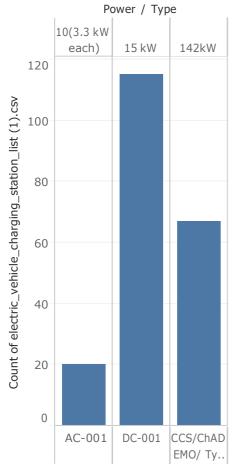


ELECTRICAL VEHICLE CHARGING STATION INDIA



Map based on average of Longitude and average of Latitude. Details are shown for Region and Address.

CHARGING STATION ACCORDING TO THEIR POWER IN KW



Count of electric_vehicle_charging_station_list (1).csv for each Type broken down by Power. Color shows details about Power & Type (group).

Power & Type (group)

(10(3.3 kW each), AC-001), (142kW, CCS/ChADEMO/ Type 2 AC), (15 kW, DC-001)

CHARGING STATIONS OF DIFFERENT REGIONS IN INDIA ACCORDING TO POWER IN KW



Map based on average of Longitude and average of Latitude. Details are shown for Region and Power.