

Global EV sales 2010 - 2023

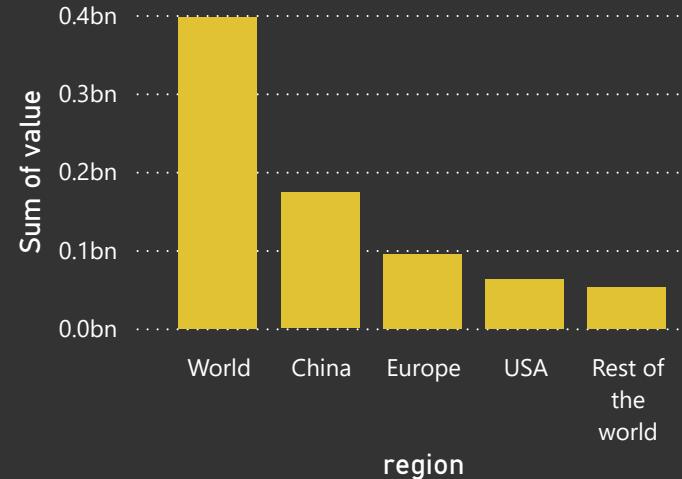
Count of EV Modes

12.65K

Buses

Highest EV sales by region

parameter ● EV sales



Sum of value by parameter

parameter
EV stock
EV sales
EV charging ...
Electricity de...
Oil displacem...
EV sales share
EV stock share
Oil displacem...

Sum of value

0bn 5bn

Count of stock by year

parameter ● EV stock

Sum of value

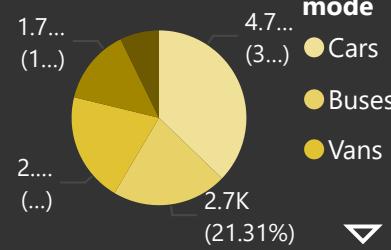
0bn

2020

2040

year

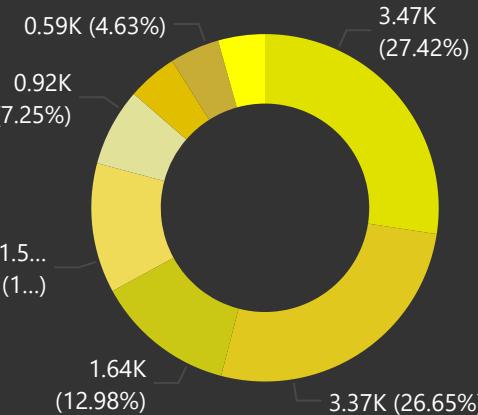
Distribution of EV Modes



Distribution of Parameters

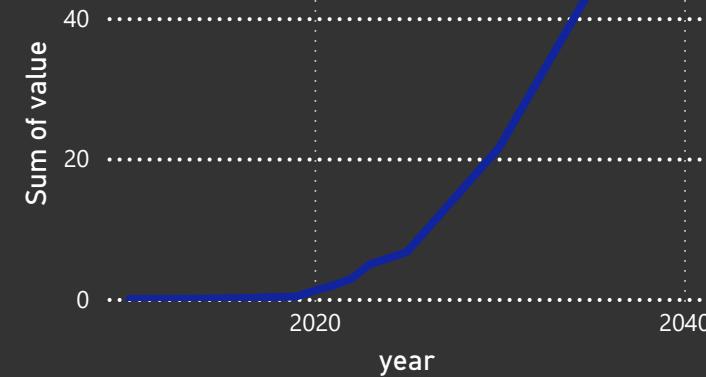
parameter

● EV stock
● EV sales
● EV sales share
● EV stock share
● EV charging p...
● Oil displacem...
● Oil displacem...
● Electricity de...



Distribution of Oil displacement Mbd by using EVs

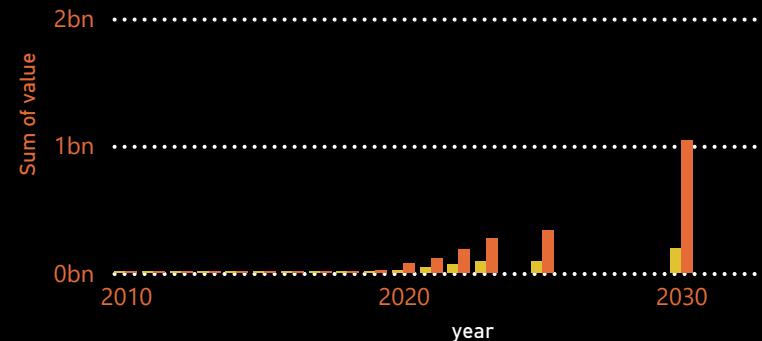
parameter ● Oil displacement Mbd



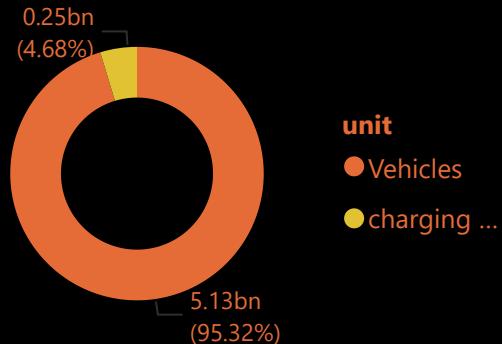
Stocks and Sales Analysis

Comparision of sales and stocks by year

parameter ● EV sales ● EV stock

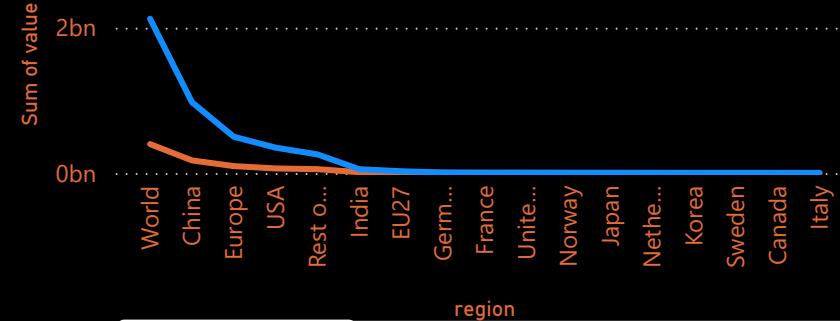


Comparision of vehicles & charging points



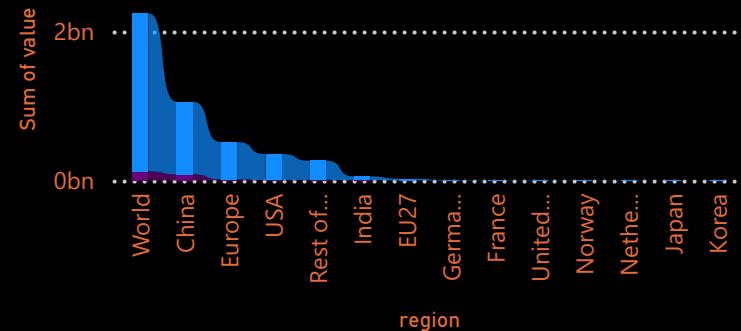
Stocks vs Sales by region

parameter ● EV sales ● EV stock



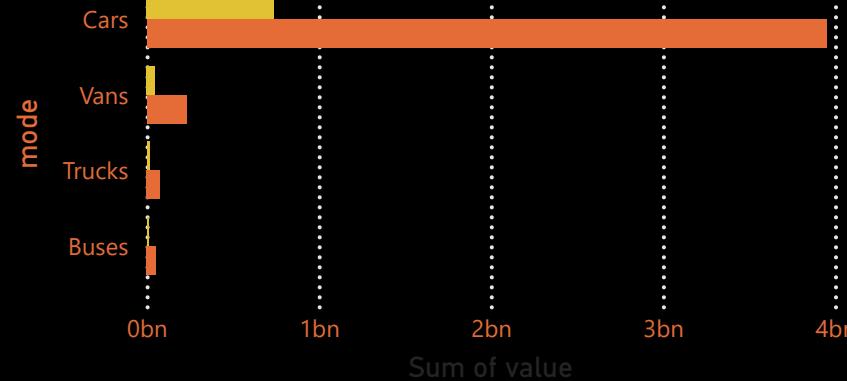
Sum of value and Count of parameter by region and parameter

parameter ● EV charging points ● EV stock



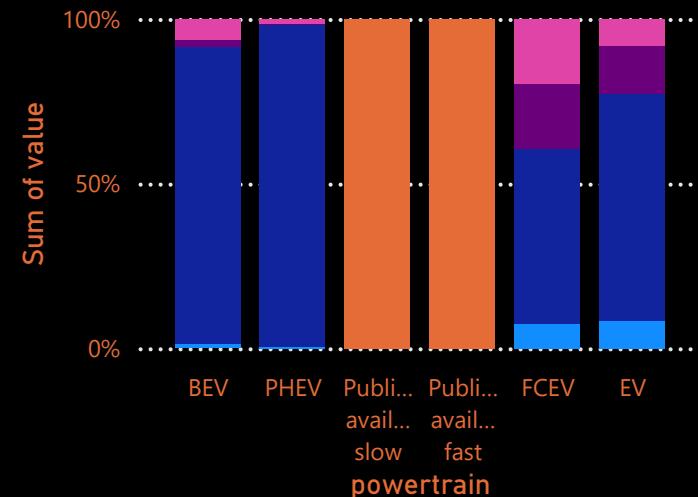
Stock vs Sales by mode and parameter

parameter ● EV sales ● EV stock



Sum of value by powertrain and mode

mode ● Buses ● Cars ● EV ● Trucks ● Vans



Oil displacement & Electricity demand Analysis

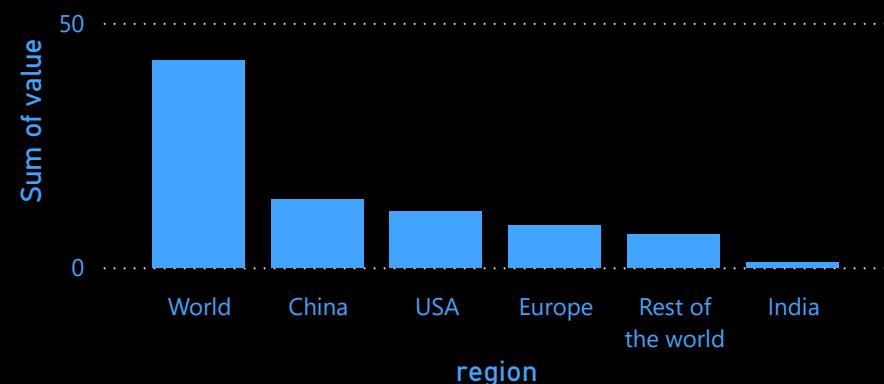
Sum of parameter

5.41bn

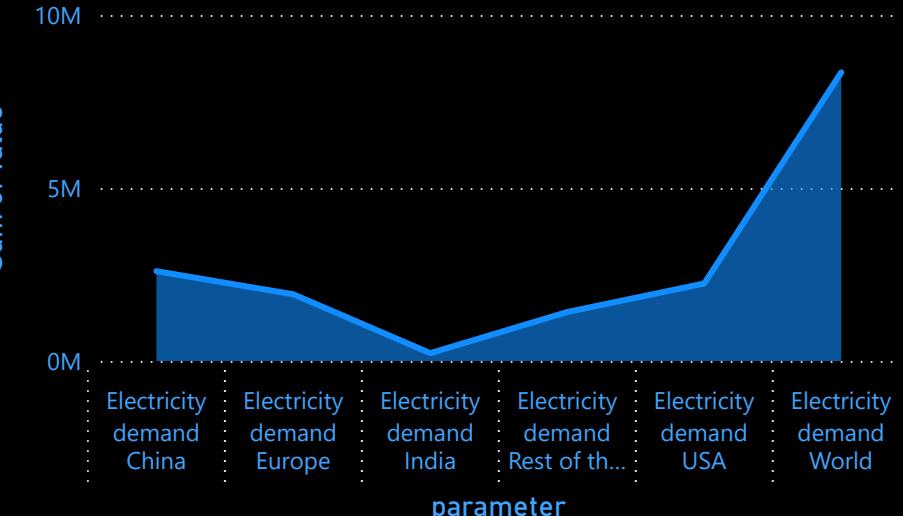
Electricity demand

Oil Displacement by Electric Vehicles Across Regions

unit ● Milion barrels per day

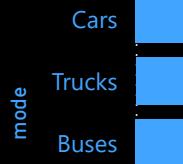


Electricity demand by regions

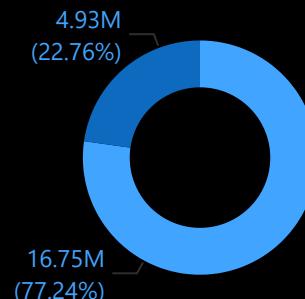


Distribution of Electricity demand on various modes

parameter ● Electricity demand

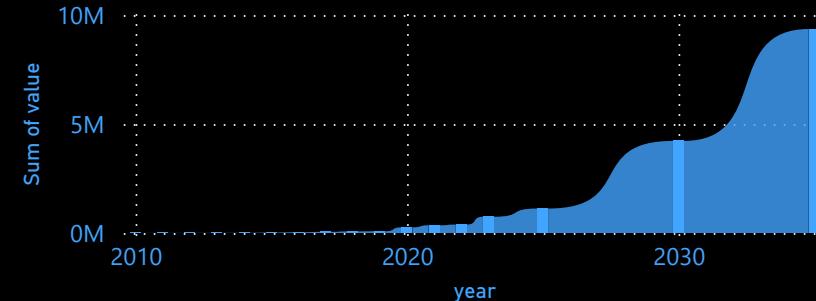


Comparision between oil displacement vs Electricity demand



Electricity demand by years

parameter ● Electricity demand



Conclusion

- 1 . **EV Sales** grew from **10K in 2010** to **351K in 2014**, with annual growth rates often exceeding **150%**, showing a sharp rise in consumer adoption.
- 2 . **EV Stock** (total vehicles on road) climbed from **37K to nearly 792K**, expanding by over **20x** in just five years.
- 3 . **Electricity Demand** from EVs increased from **1,924 GWh in 2010** to **4,814 GWh in 2014**, with annual growth around **35–40%**, showing rising energy needs to power vehicles.
- 4 . **Oil Displacement** data (from the larger dataset) typically mirrors this trend — each year, EV adoption reduced **oil consumption demand**, highlighting EVs' role in **lowering fossil fuel dependency.%**.