

Global EV Sales 2010 - 2024

1: Regional & Category Trends

Total EV Stock

5.41bn

Total Value

Total PHEVs

149.69M

Sum of EV value

Regions Covered

54

Count of region

Total BEVs

240.09M

Sum of EV value

category

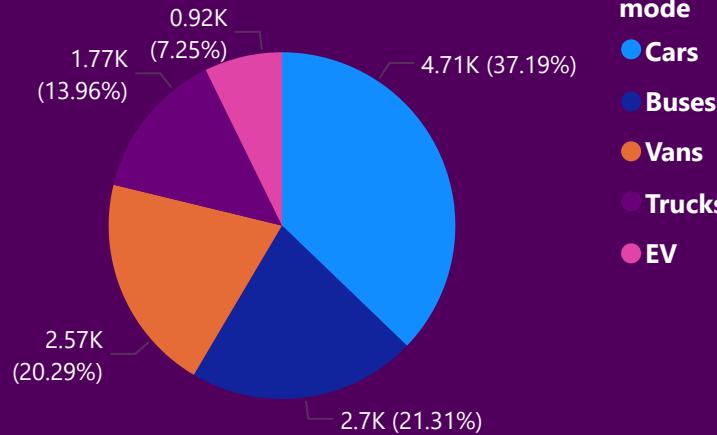
- Historical
- Projection-APS
- Projection-STEPS

mode

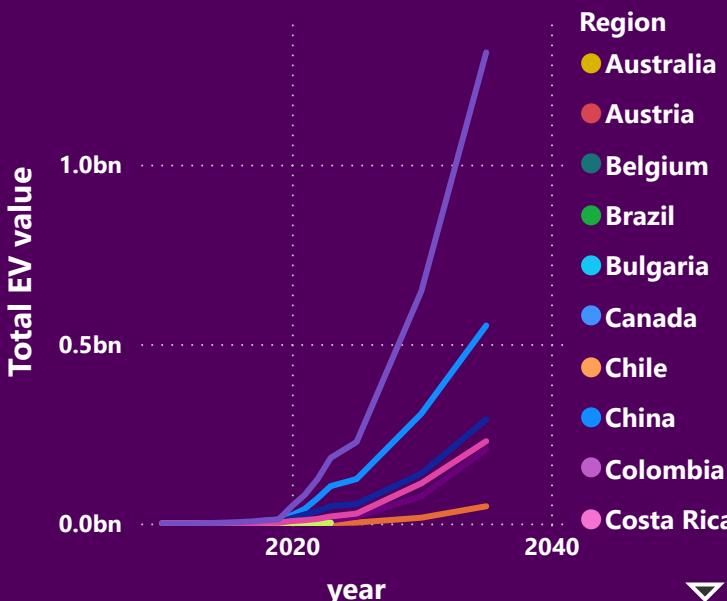
- Buses
- Cars
- EV
- Trucks

Total EV penetration by region

Count of region by mode



Total EV value by year and region



The top 5 regions contributing most to EV adoption

By region

3bn

2bn

1bn

0bn

adoption

World

China

Europe

USA

India

EV Powertrain Growth Trends

Sum of EV value by year and powertrain

0.3bn

0.2bn

0.1bn

0.0bn

powertrain

BEV

FCEV

PHEV

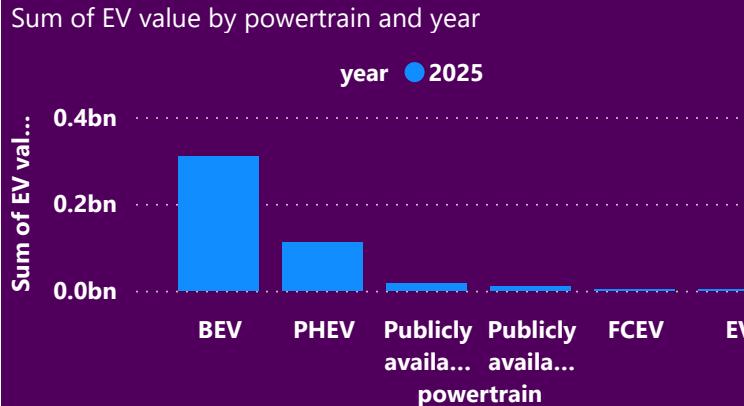
year

2020

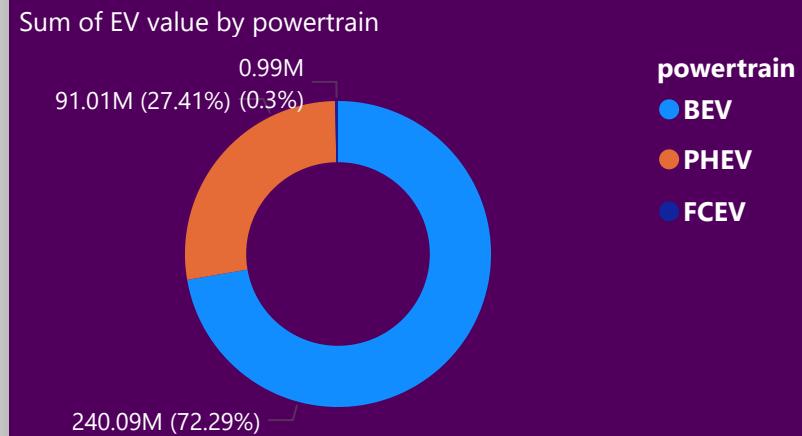
2040

2: Powertrain & Mode Insights

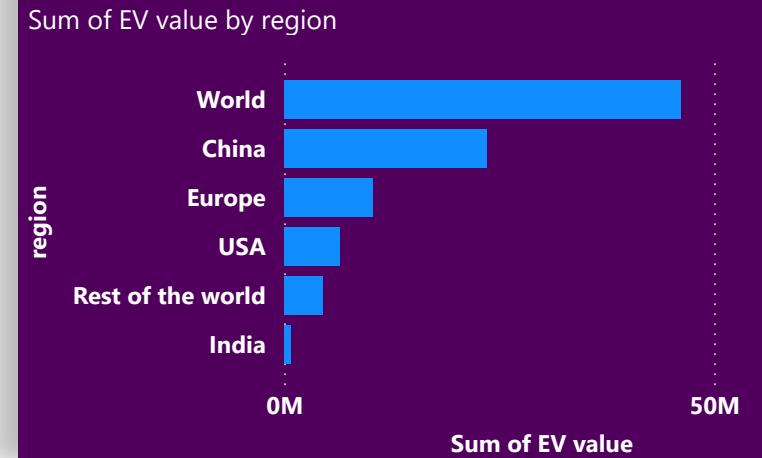
Powertrain Usage Comparison: 2020 vs 2025



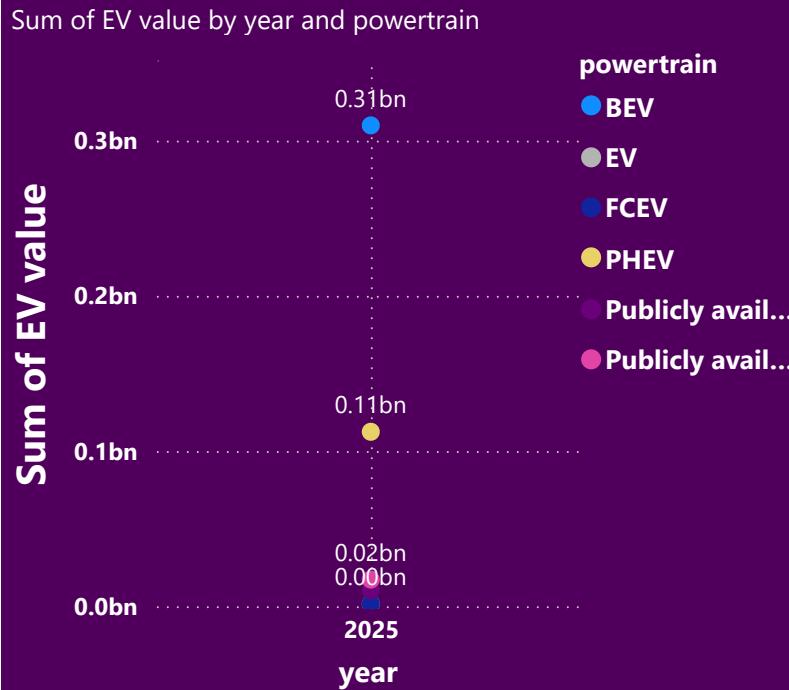
Distribution of EVs by Powertrain



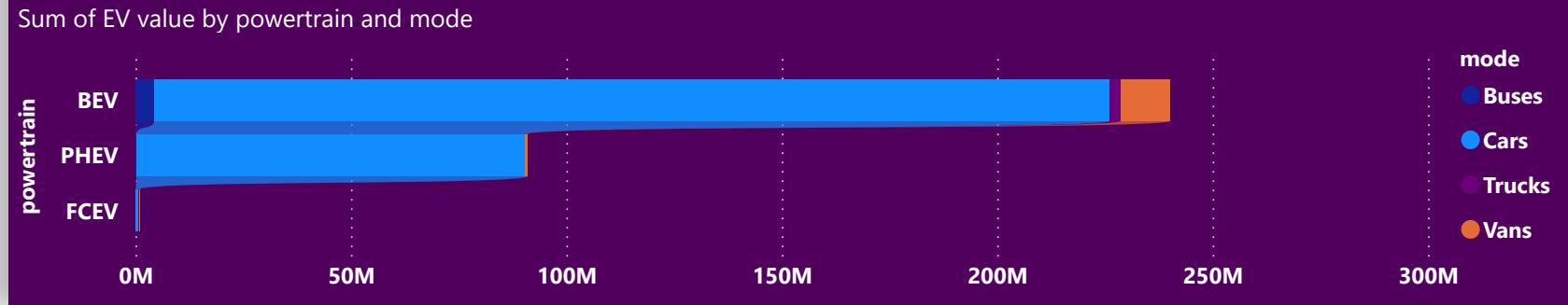
Recent EV Sales by Region



EV Powertrain Trends Over Time



Share of modes by powertrain type



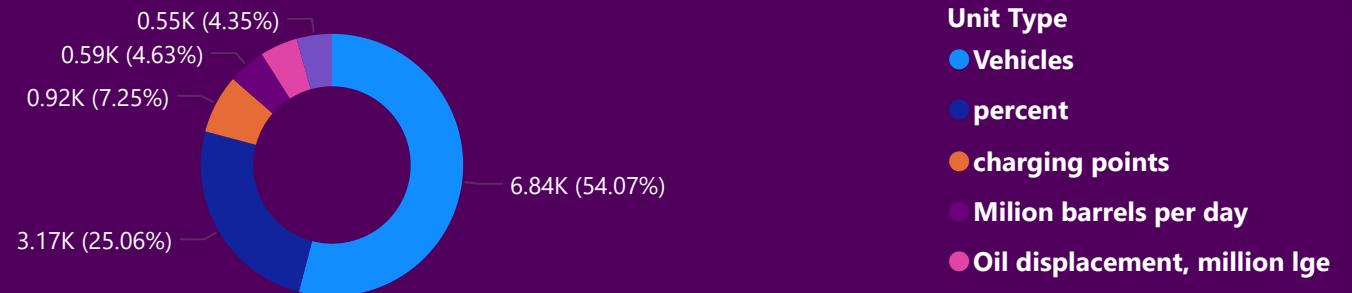
Unit Type	Buses	Cars	EV	Trucks	Vans	Total
+ charging points			2,74,20,900.00			2,74,20,900.00
+ GWh	1,11,600.00	8,72,400.00		75,989.00	62,430.00	11,22,419.00
+ Milion barrels per day	0.36	5.61		0.31	0.38	6.67
+ Oil displacement, million lge	21,450.00	3,27,840.00		18,302.00	22,262.00	3,89,854.00
+ percent	321.38	349.00		51.86	156.93	879.17
+ Vehicles	59,13,647.00	39,72,95,188.00	2,74,20,900.00	38,73,431.40	1,66,33,802.00	42,37,16,068.40
Total	60,47,018.74	39,84,95,782.61	2,74,20,900.00	39,67,774.58	1,67,18,651.31	45,26,50,127.24

3: Parameter & Unit Analysis

parameter	Australia	Austria	Belgium	Brazil	Bulgaria	Canada	Chile	China
Electricity demand								25,9
EV charging points	12,861.00	43,602.00	1,04,469.00	8,275.40		1,10,677.00	2,928.00	8,30,8
EV sales	1,84,404.00	2,21,539.00	4,79,365.00	94,760.00	4,623.00	6,00,846.00	3,877.00	17,33,1
EV sales share	23.46	88.77	233.06	10.38	13.79	97.43	1.47	
EV stock	3,94,428.00	6,50,427.00	12,07,645.00	1,70,187.00		18,15,593.80	10,581.00	97,46,1
EV stock share	2.64	12.94	40.45	1.05		12.14	0.25	
Oil displacement Mbd								
Total	5,91,719.10	9,15,669.71	17,91,752.52	2,73,233.83	4,636.79	25,27,226.36	17,387.73	1,23,45,7

Parameter vs Unit Mapping

Count of Unit Type by Unit Type and Unit Type



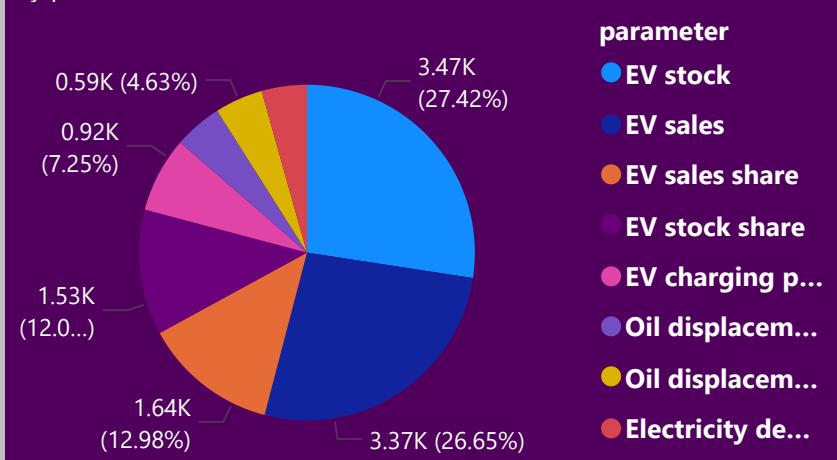
parameter

charging points GWh Milion barrels per day Oil displacement, million lge percent Vehicles Total

Electricity demand		551				551	
EV charging points		918				918	
EV sales				3372	3372		
EV sales share				1642	1642		
EV stock				3470	3470		
EV stock share				1529	1529		
Oil displacement Mbd		586				586	
Total	918	551	586	3171	6842	12654	

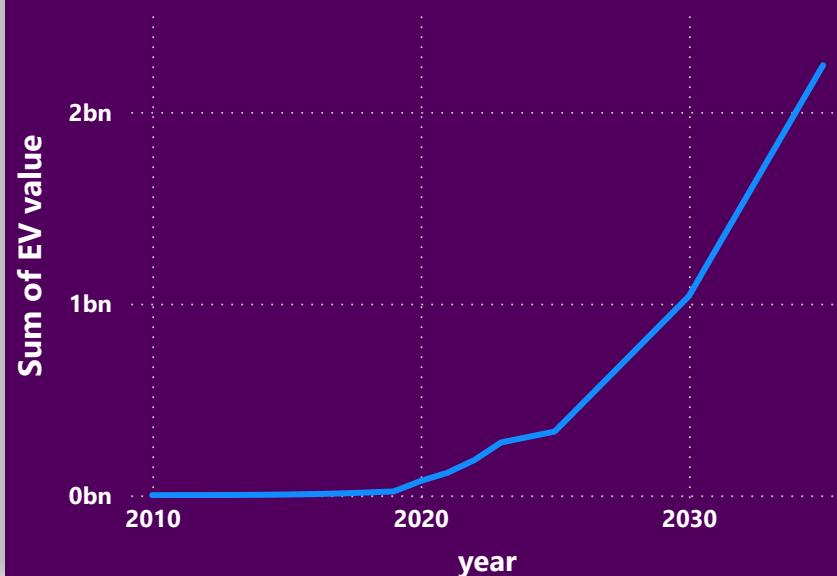
Count of parameter

by parameter



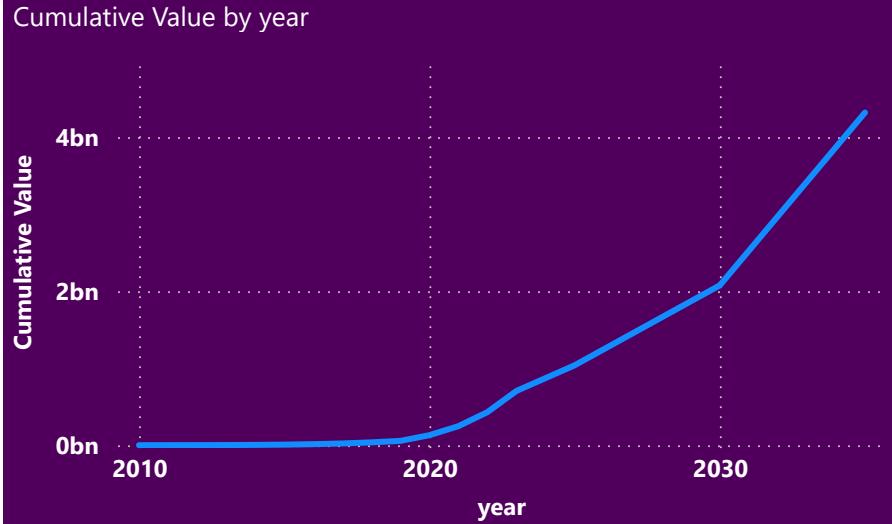
Global EV Stock Trend by Year

Sum of EV value by year

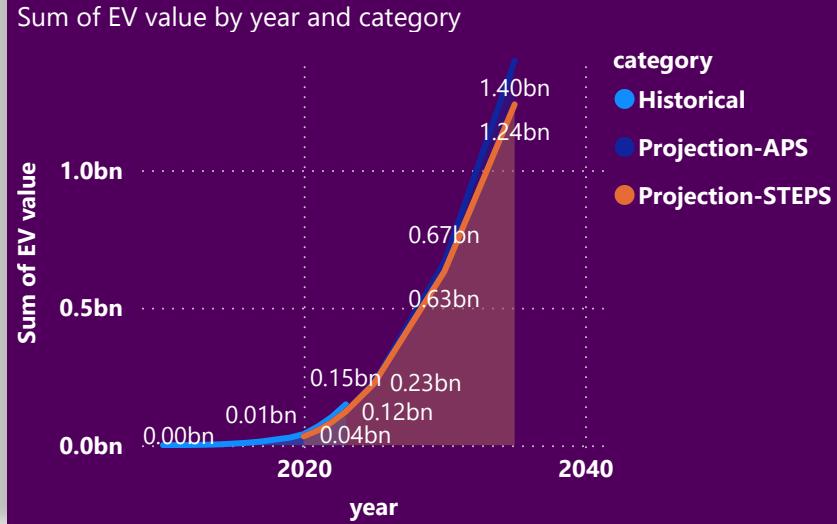


4: Time Series & Comparative Analysis

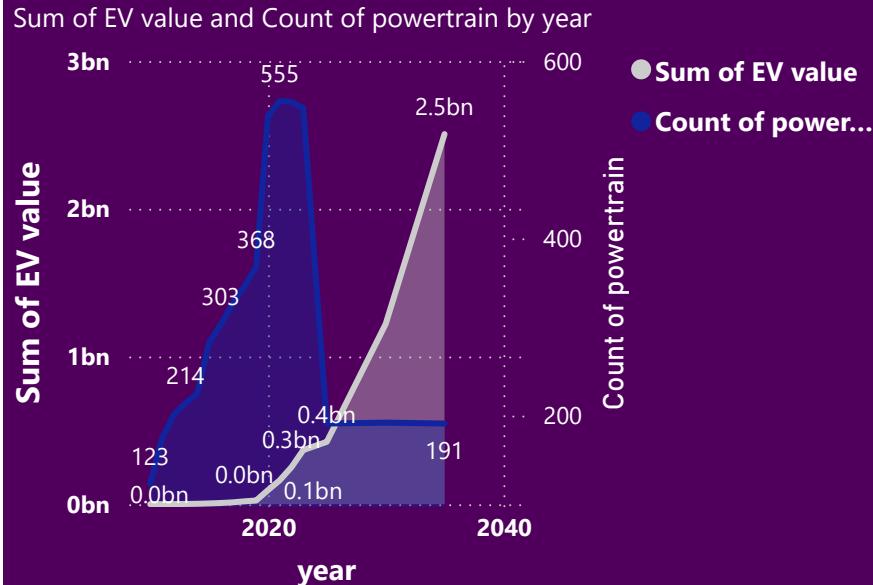
Cumulative EV Metrics Over Years



Year-to-Year Spike by Category



BEV vs PHEV Trend Over Time



EV Growth Over Time for Top 3 Regions



Sum of EV value Sum of year region

region	Sum of EV value	Sum of year
Australia	1,84,404.00	56497
Austria	2,21,539.00	58538
Belgium	4,79,365.00	159412
Brazil	94,760.00	108986
Bulgaria	4,623.00	34327
Canada	6,00,846.00	129165
Chile	3,877.00	50449
China	17,33,75,628.00	541996
Colombia	16,023.00	36342
Costa Rica	8,831.00	18171
Croatia	7,557.00	20210
Cyprus	2,260.00	18191
Czech Republic	34,300.00	30294
Denmark	2,70,331.00	179551
Estonia	4,585.00	32311
EU27	89,44,714.00	272325

81,60,75,522.30 6811289

Global EV Stock Trend by Year

