

Oslo | June 14, 2022

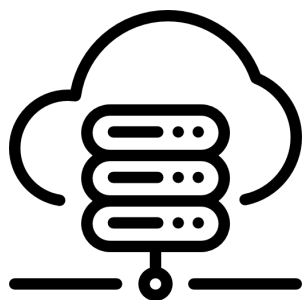
Electric vehicle uptake in Germany

Showcases from a decade of data

Dr. Alexander Wanitschke, Niklas Hartlaub, Dr. Christopher Borger

GERMANY'S DATA WAREHOUSE FOR ELECTRIC MOBILITY

collecting, curating, warehousing and analyzing data for government and public



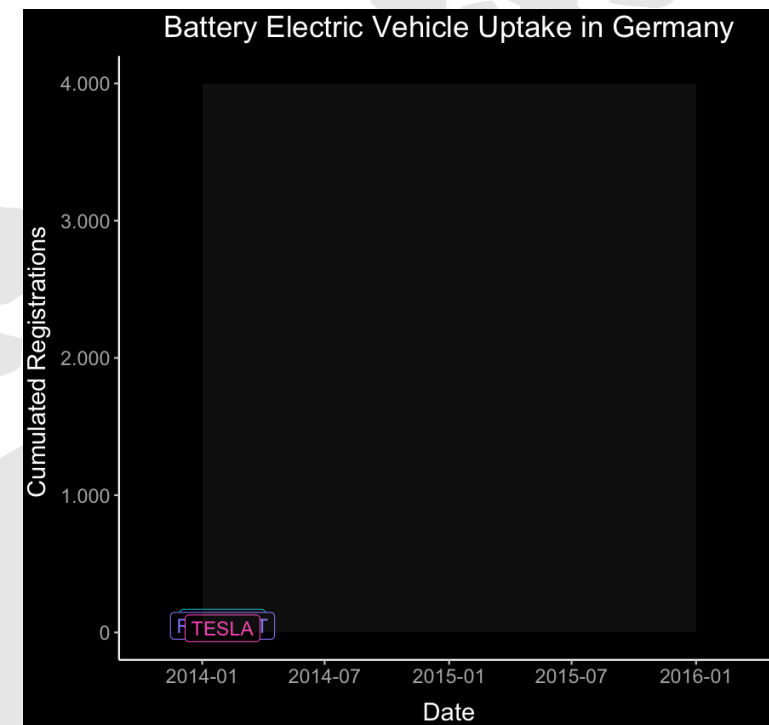
infrastructure



data



analytics



WARTUNG DER BEWERTUNG VARIETY

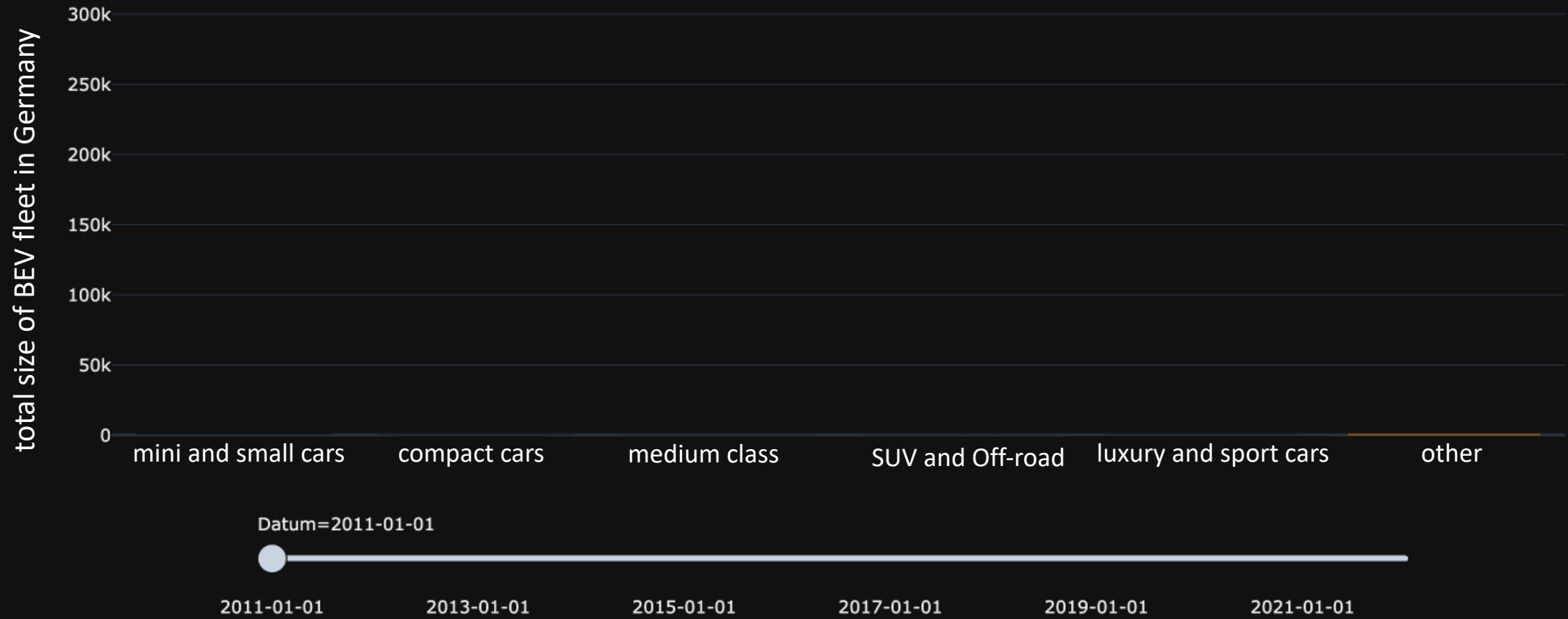


data: own calculations based on ADAC-Autokatalog



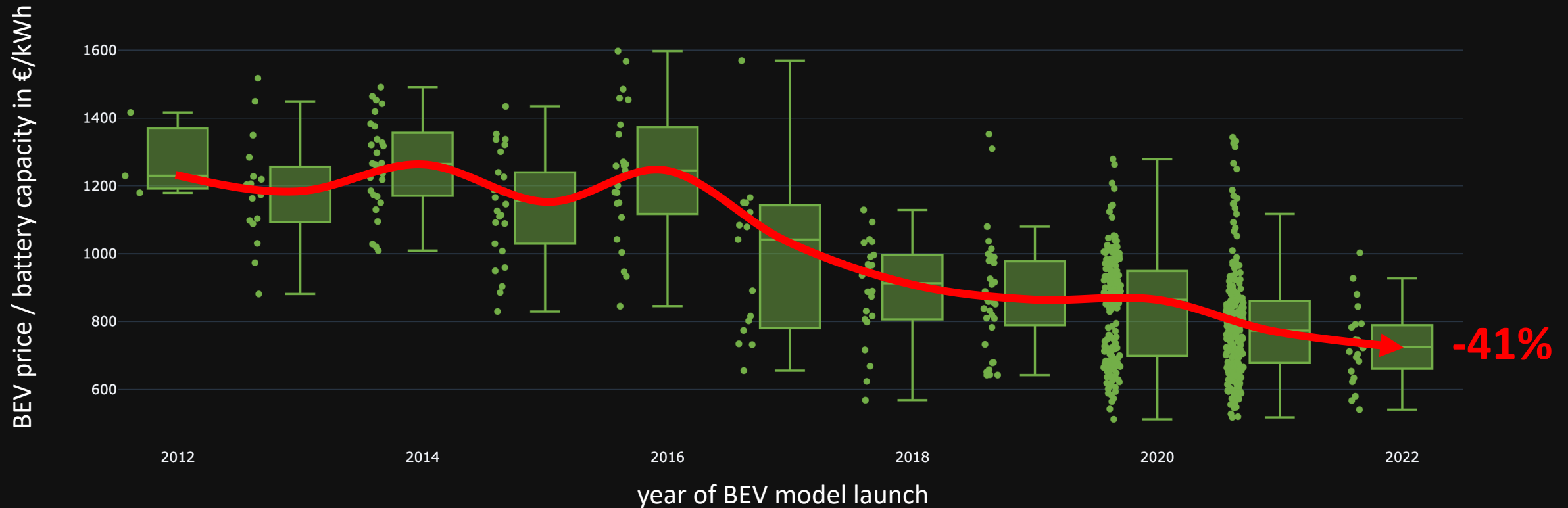
HALF OF ALL GERMAN BEVS ARE STILL SMALL CARS

... but noch much longer



description: total number of BEVs in Germany
data: Kraftfahrtbundesamt

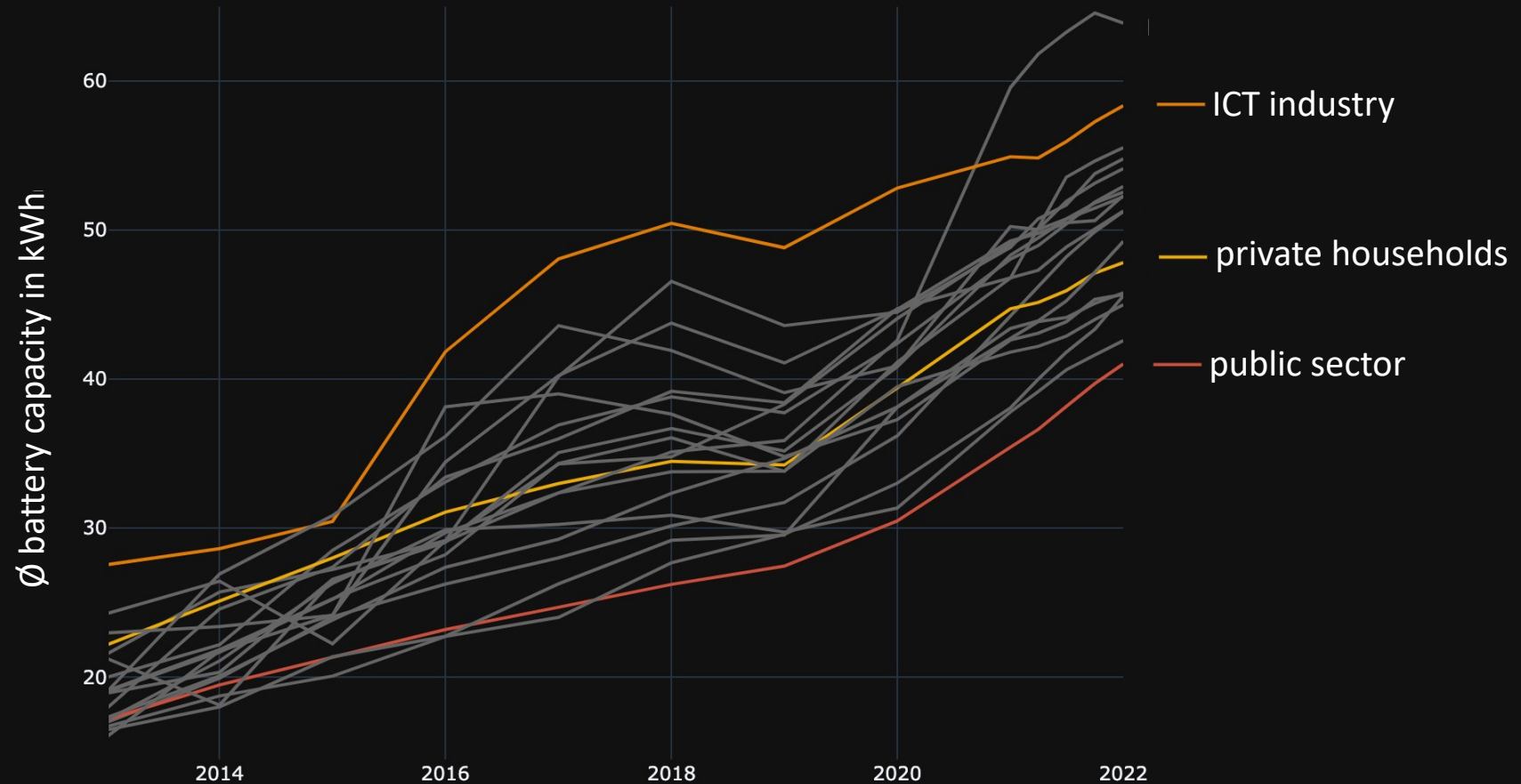
BATTERY-RELATED BEV PRICES CUT IN ~HALF IN 10 YEARS



description: price development of battery electric vehicles in Germany in middle class segment
data: own calculations based on ADAC-Autokatalog

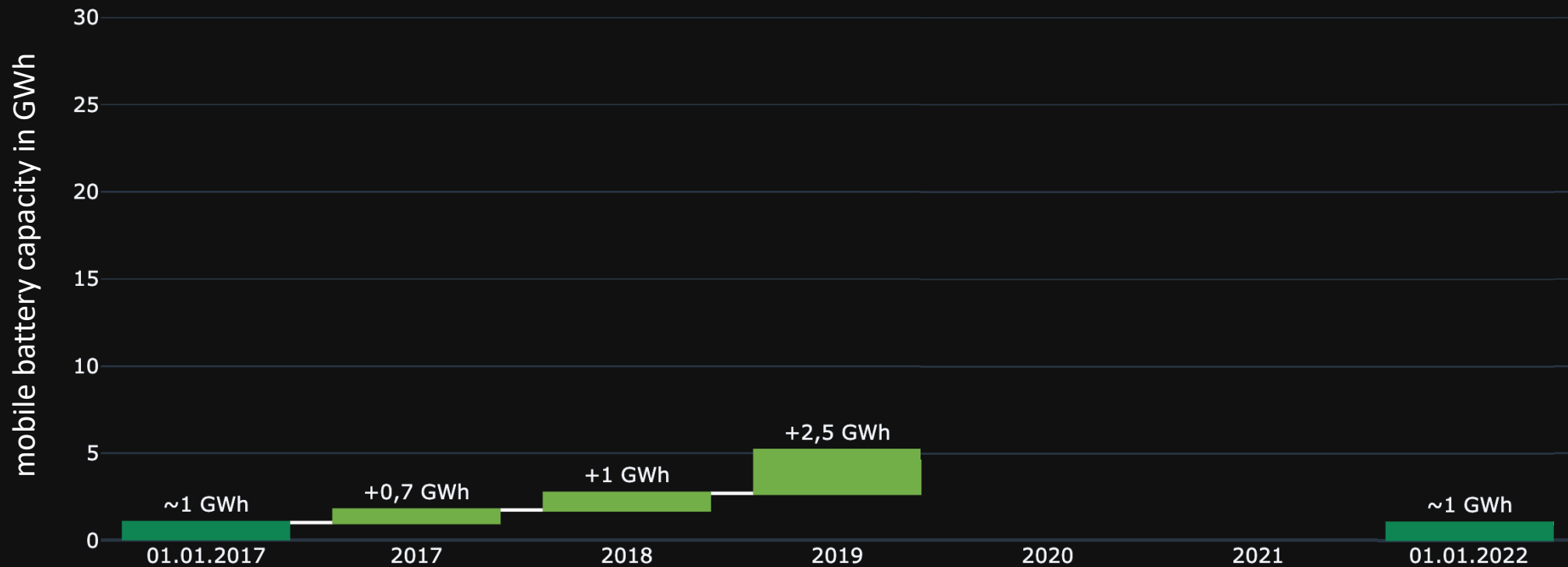
AVERAGE VEHICLE BATTERY SIZE HAS DOUBLED

... within all vehicle owner groups



description: average battery capacity of existing passenger car fleet in Germany
data: own calculations based on ADAC-Autokatalog and Kraftfahrtbundesamt

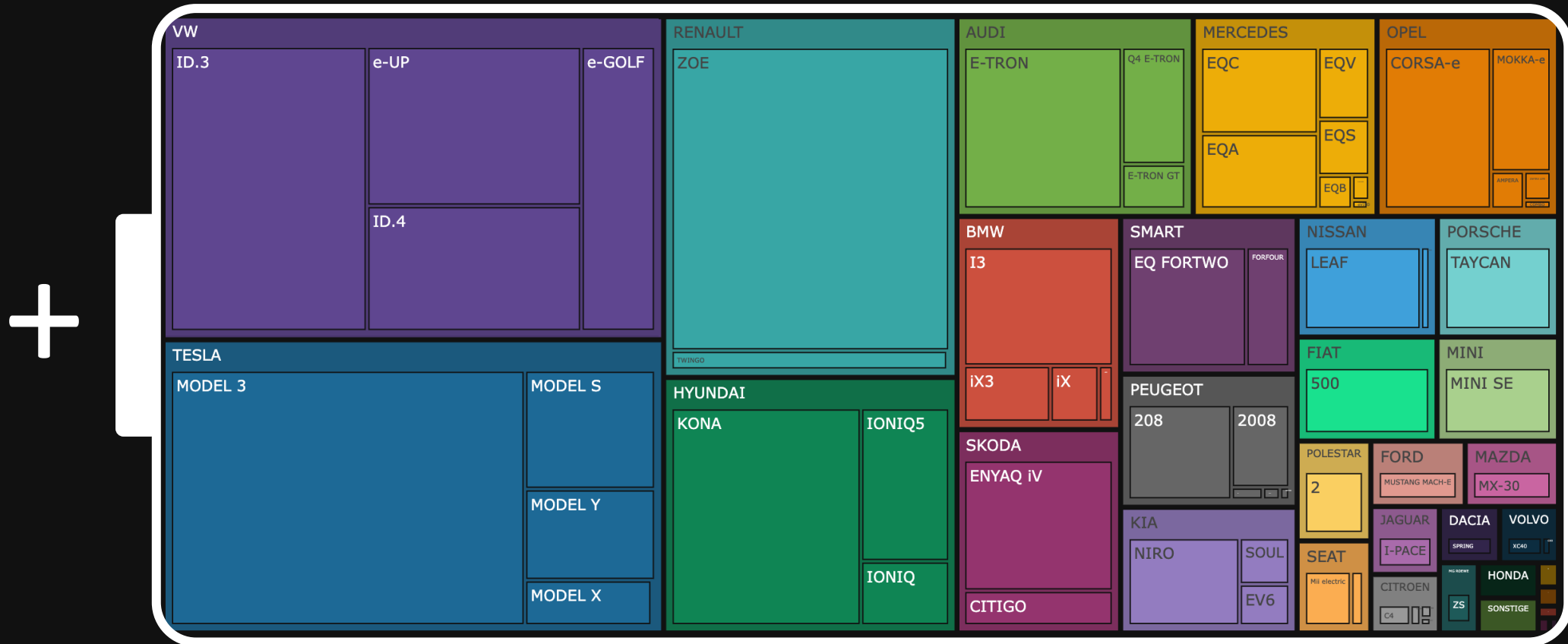
GERMANY'S MOBILE BATTERY CAPACITY GREW 10X IN ONLY THREE YEARS



description: total battery capacity of BEV fleet in Germany
data: own calculations based on ADAC-Autokatalog and Kraftfahrtbundesamt

ONLY FOUR CAR MAKERS

... make up half of Germany's mobile battery fleet



description: total battery capacity of BEV fleet in March 2022 in Germany
data: own calculations based on ADAC-Autokatalog and Kraftfahrtbundesamt

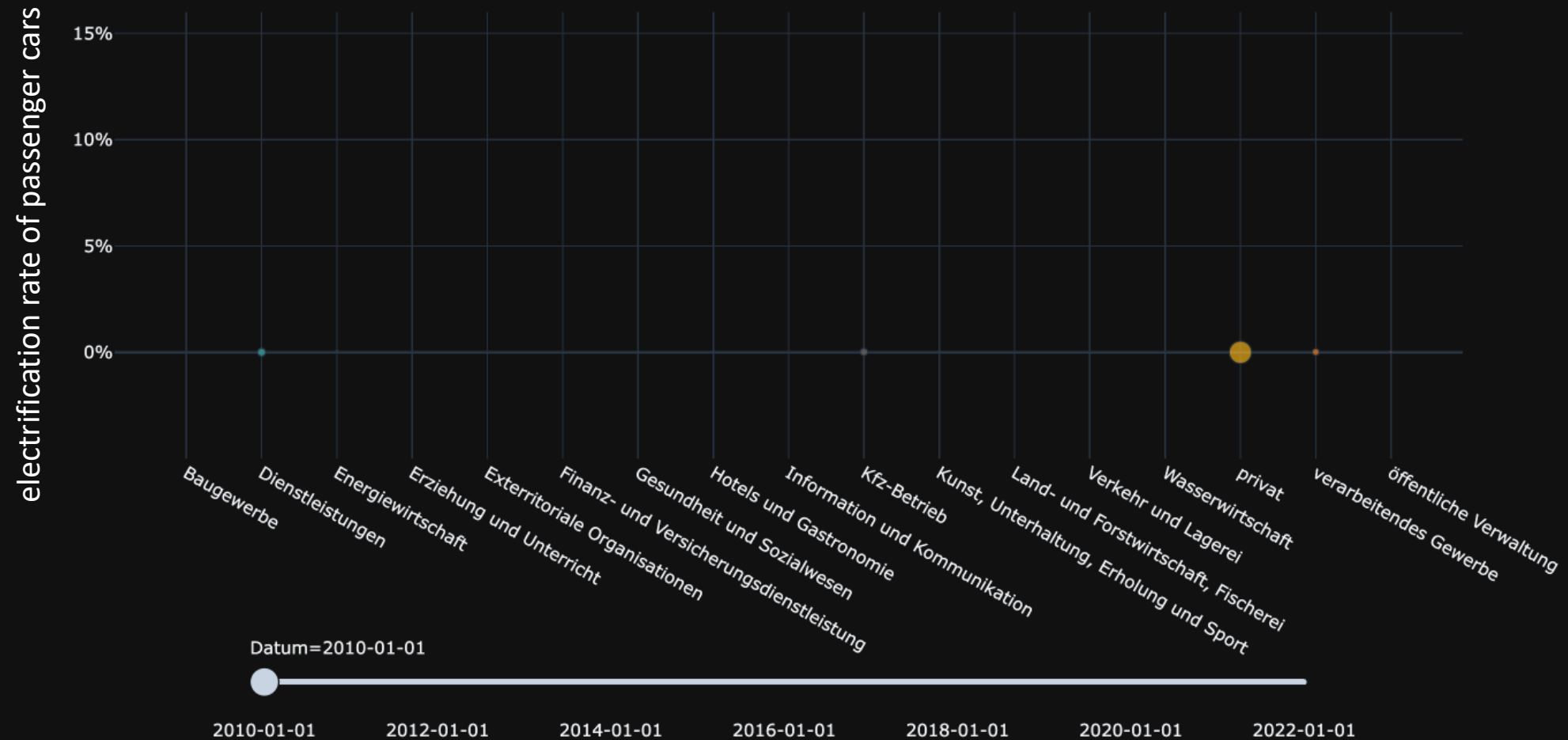
CCS HAS TAKEN OVER



description: DC charging types in BEV fleet in March 2022 in Germany
data: own calculations based on ADAC-Autokatalog and Kraftfahrtbundesamt

PRIVATE HOUSEHOLDS ARE LAST IN CAR ELECTRIFICATION

... even though they own most BEVs

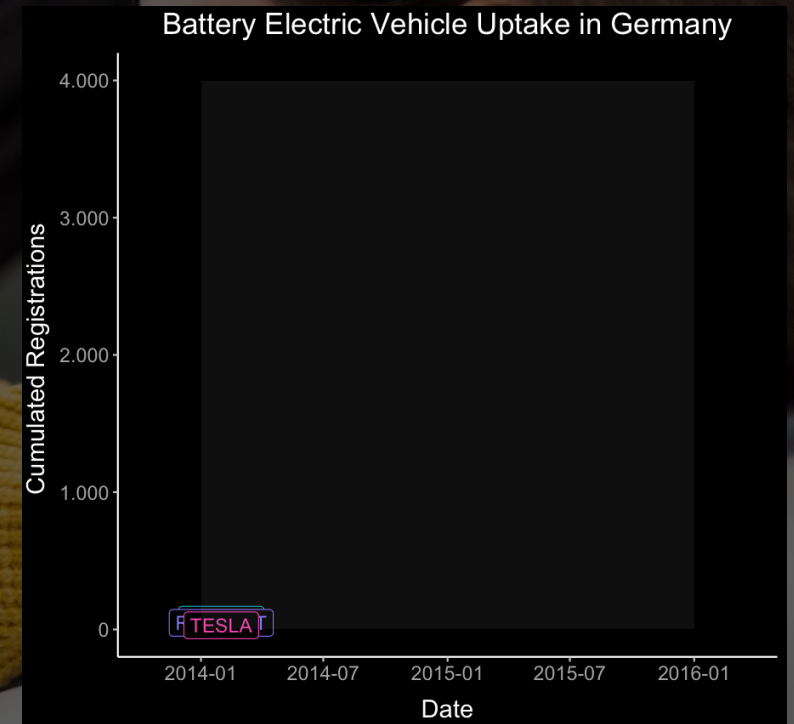


description: share of BEV in passenger car fleet for differeny owner groups in Germany
data: own calculations based Kraftfahrtbundesamt

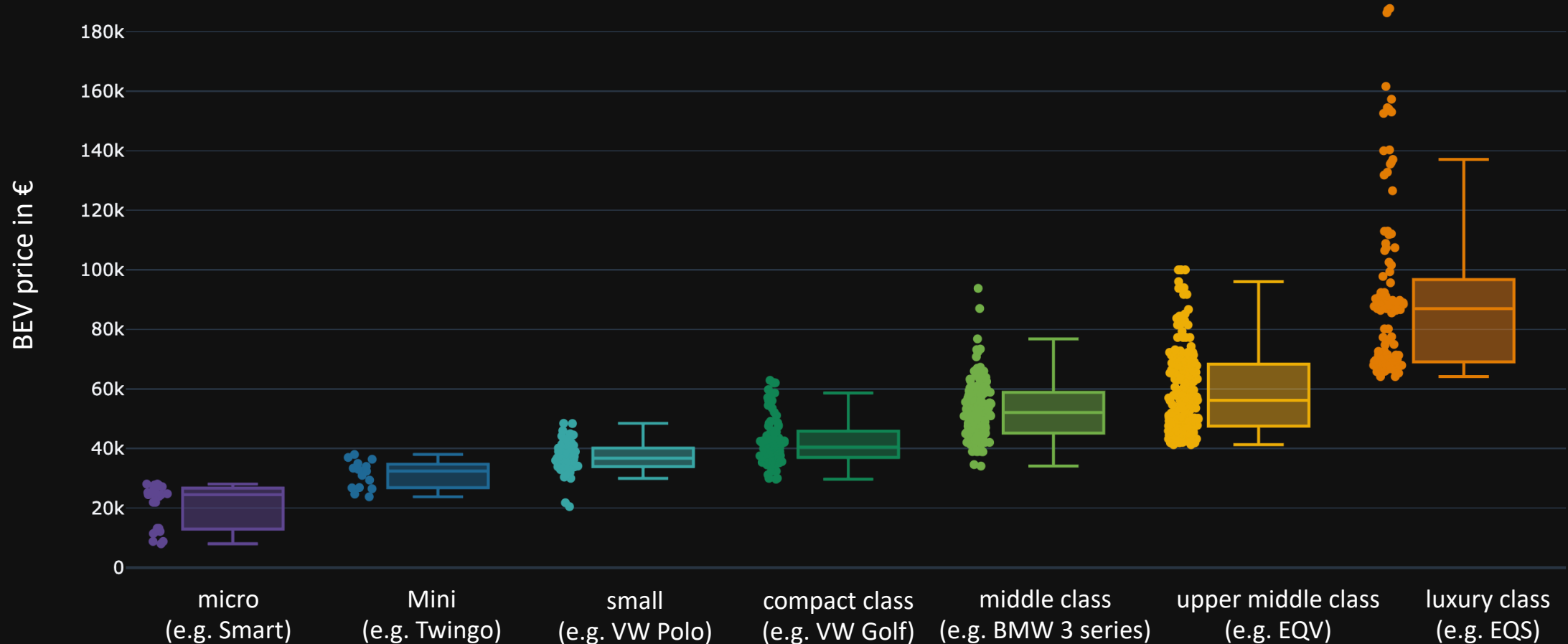
PAPER



AUTHORS

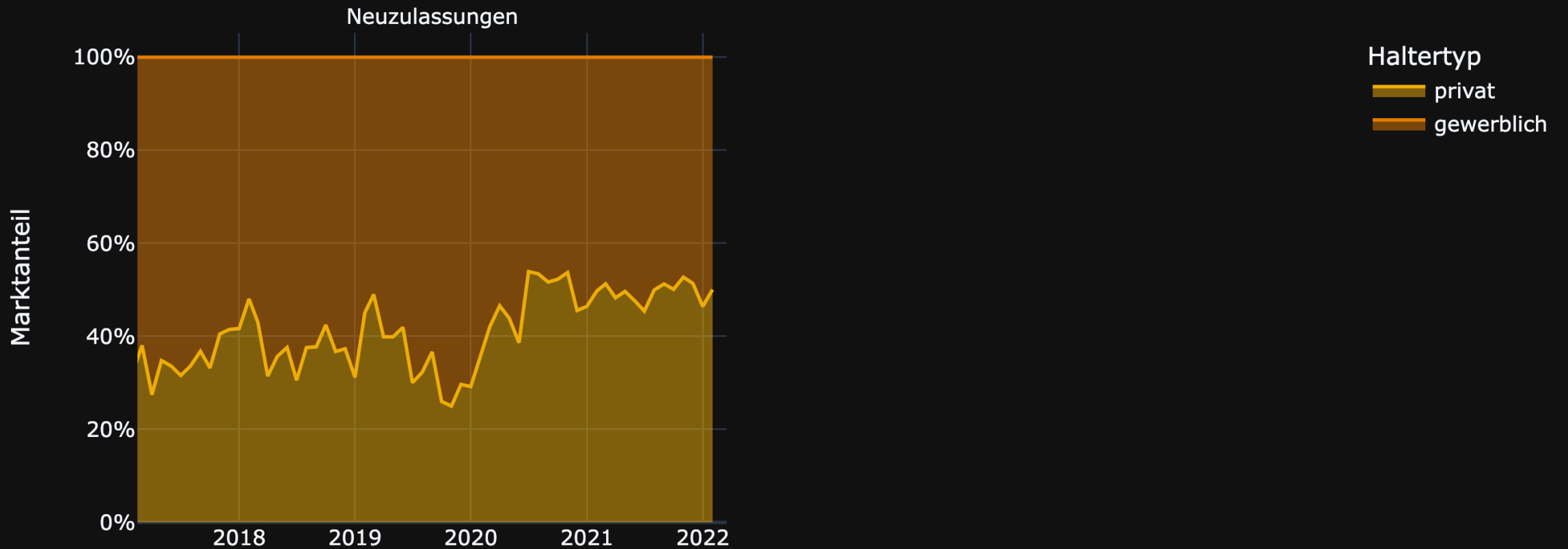


CURRENT BEV PRICES ACROSS SEGMENTS



GEBRAUCHTE E-PKW WERDEN VON PRIVAT GEKAUFT

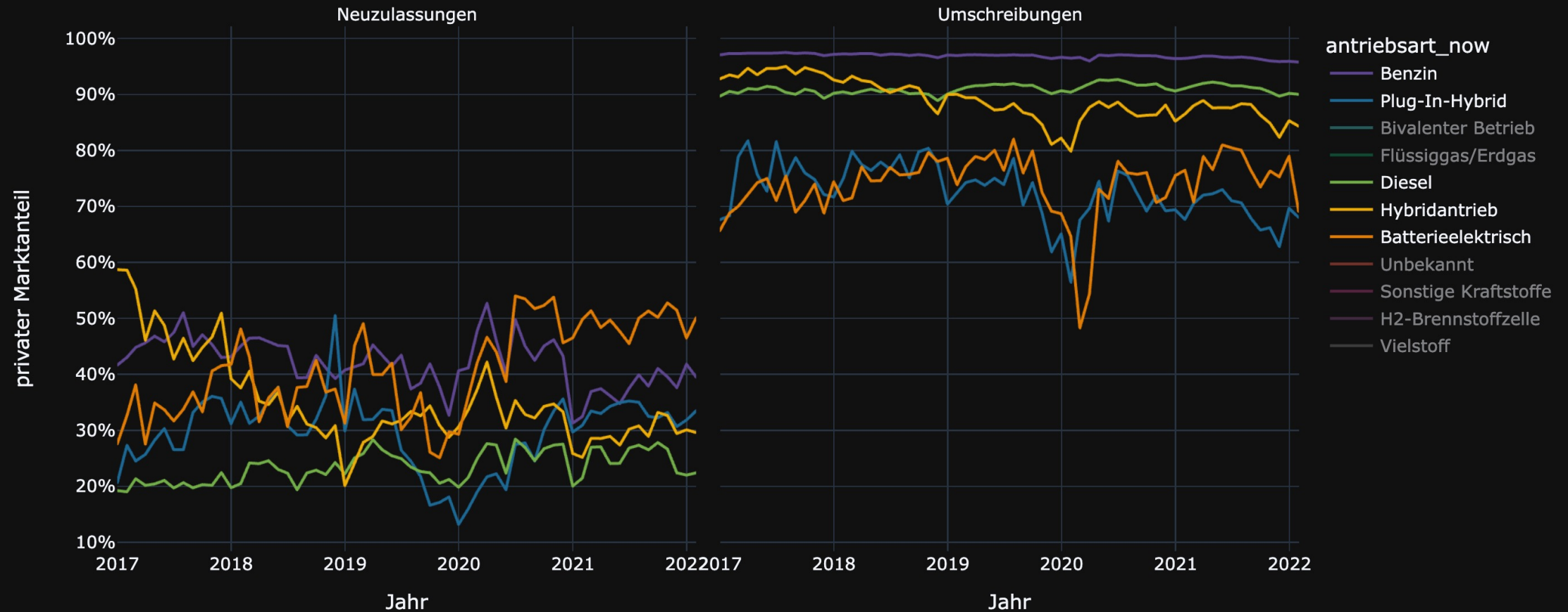
... Neuwagen (noch) von gewerblich



Erläuterungen: Marktanteile batterieelektrischer PKW der beiden Haltertypen in Deutschland für Neuwagen und Gebrauchtwagen
Datenquelle: eigene Berechnung basierend auf Kraftfahrtbundesamt und ADAC-Autokatalog

GEBRAUCHTE E-PKW WERDEN VON PRIVAT GEKAUFT

... Neuwagen (noch) von gewerblich



LADEANSCHLUSSPOSITIONEN

... vor allem hinten rechts

