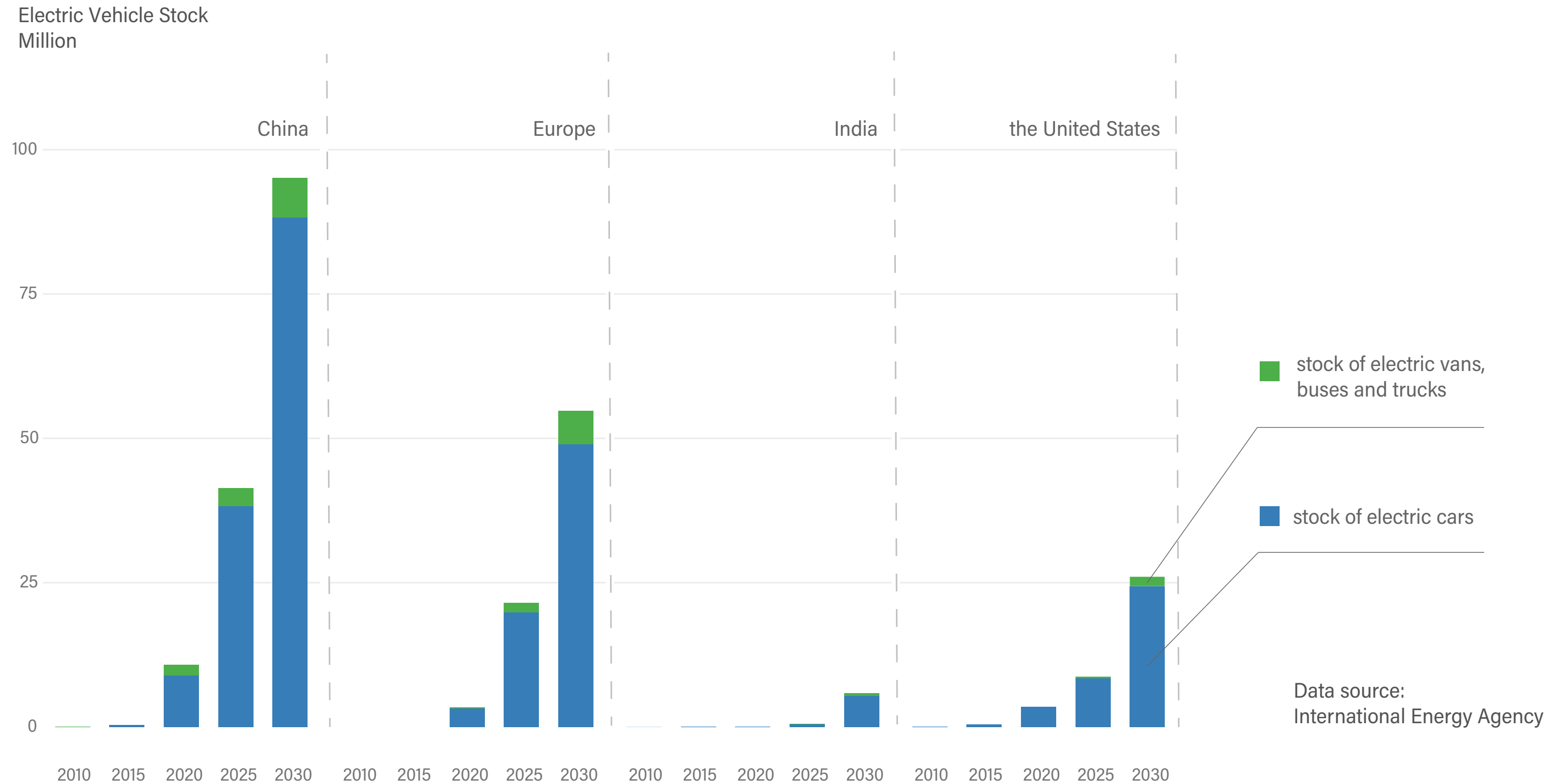


5 of the most interesting visualizations

Cars dominate vehicle electrification in the past, present, and foreseeable future

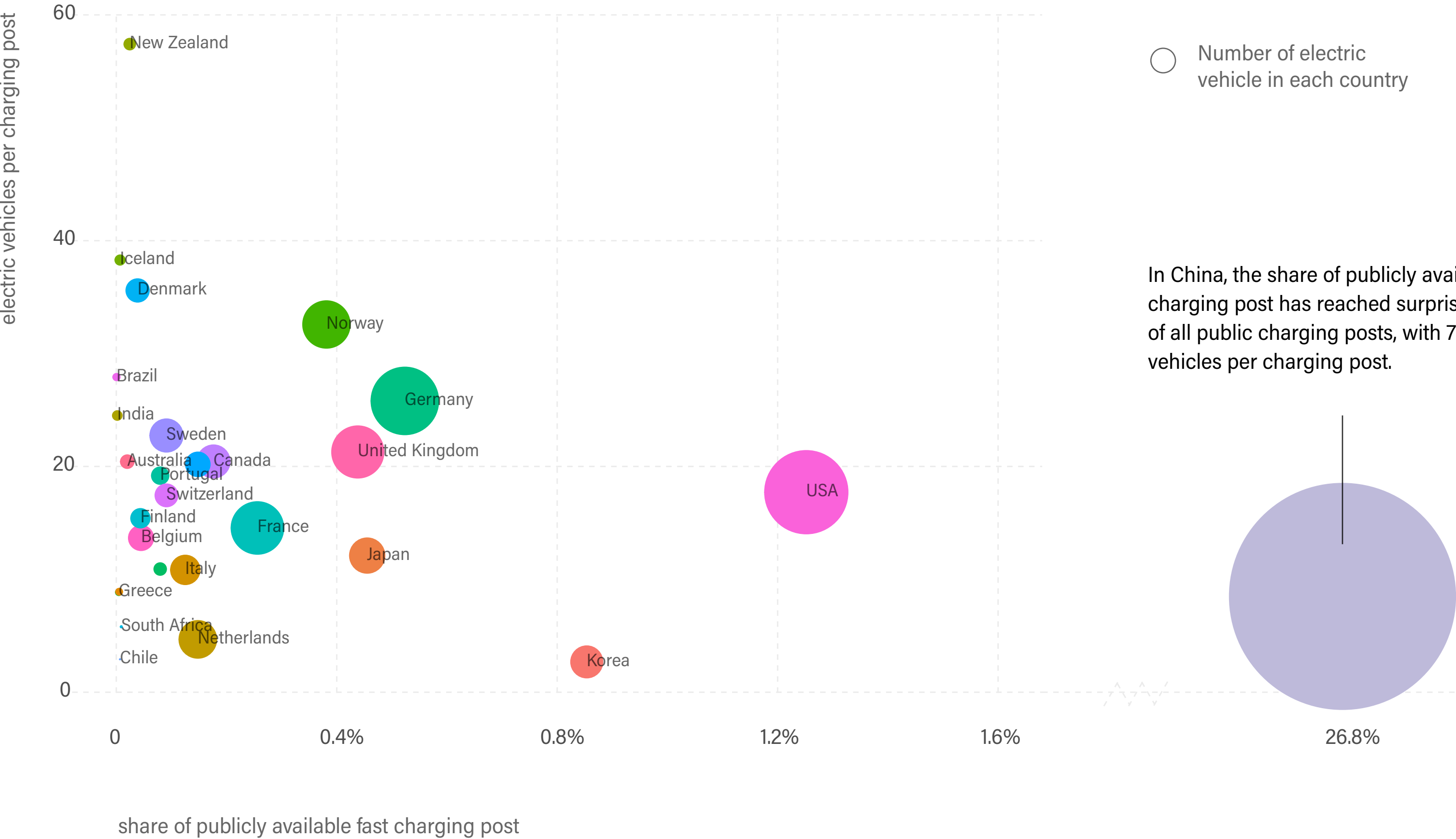
Electric vans, buses and trucks altogether account for little proportion of electric vehicles stock in key markets worldwide, 2010 – 2030



China is leading in EV charging infrastructure depolymnt, far more than the next 2: the US and Korea

The deployment of EV charging posts in 2021

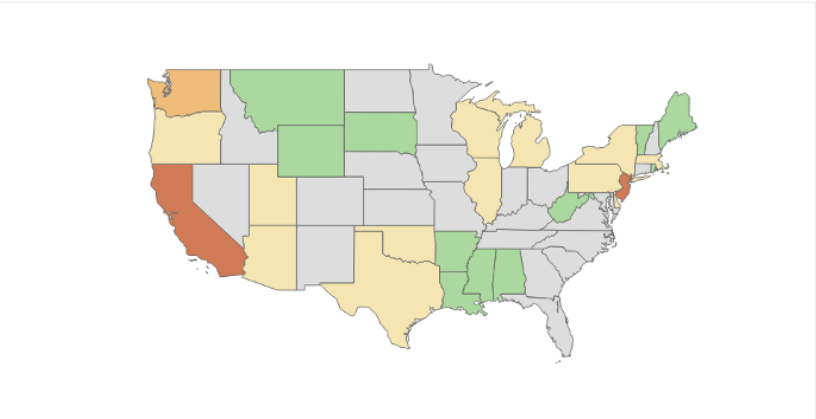
Data source: International Energy Agency



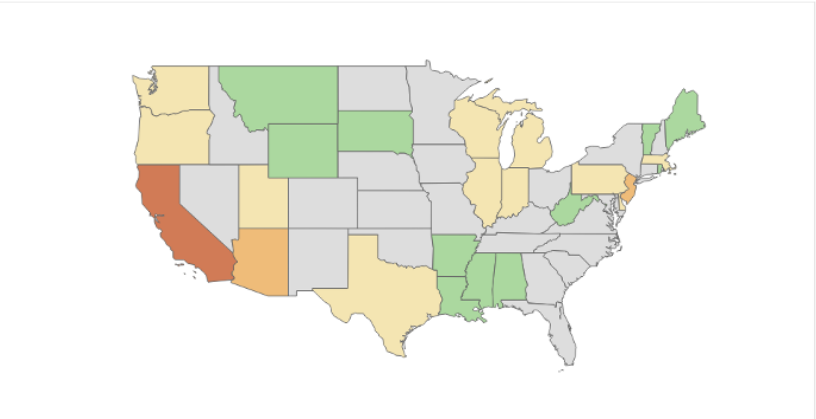
U.S. Commits to Deploy Electric Vehicle Charging Infrastructure

the EV to Charger Ratio is decreasing in U.S. states, 2018 - 2021

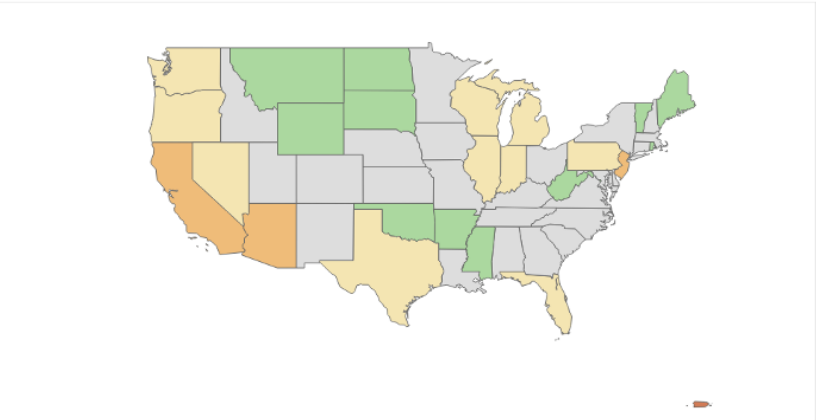
2018



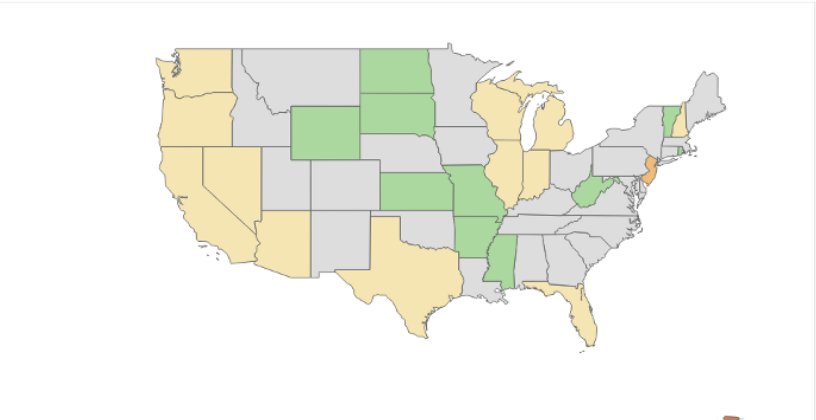
2019



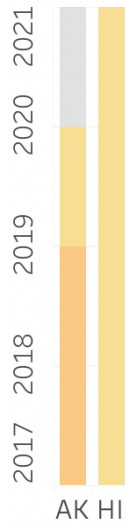
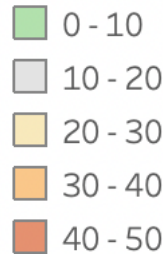
2020



2021



EV per Charger

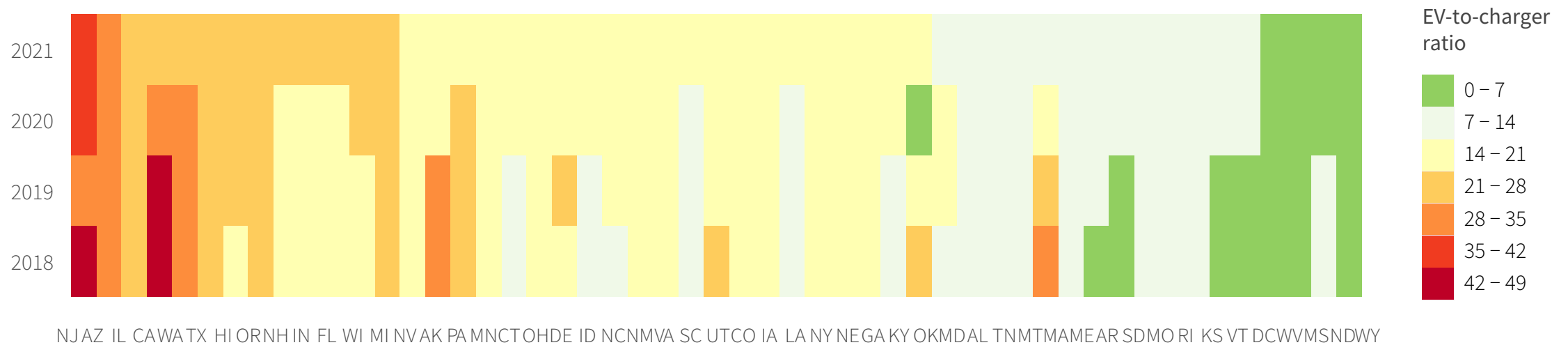


According to Alternative Fuel Infrastructure Directive (AFID), countries were recommended to reach 10 electric light-duty vehicles (LDVs) per public charger by 2020. The US states did not meet the standard and EV-to-charger ratios larger than 20 are marked with warm tone (yellow, orange, and dark orange). Although the EV-to-charger ratios were decreasing, there were still plenty of states that were insufficient of electric vehicle charging infrastructures.

Data Source: Alternative Fuels Data Center: Vehicle Registration Counts by State, Alternative Fueling Station Counts by State.

Electric Vehicle Charging Point Deployment by State in the U.S., 2018 – 2021

From left to right: the state with the least (NJ) to most (WY) adequate deployment of EV charging points

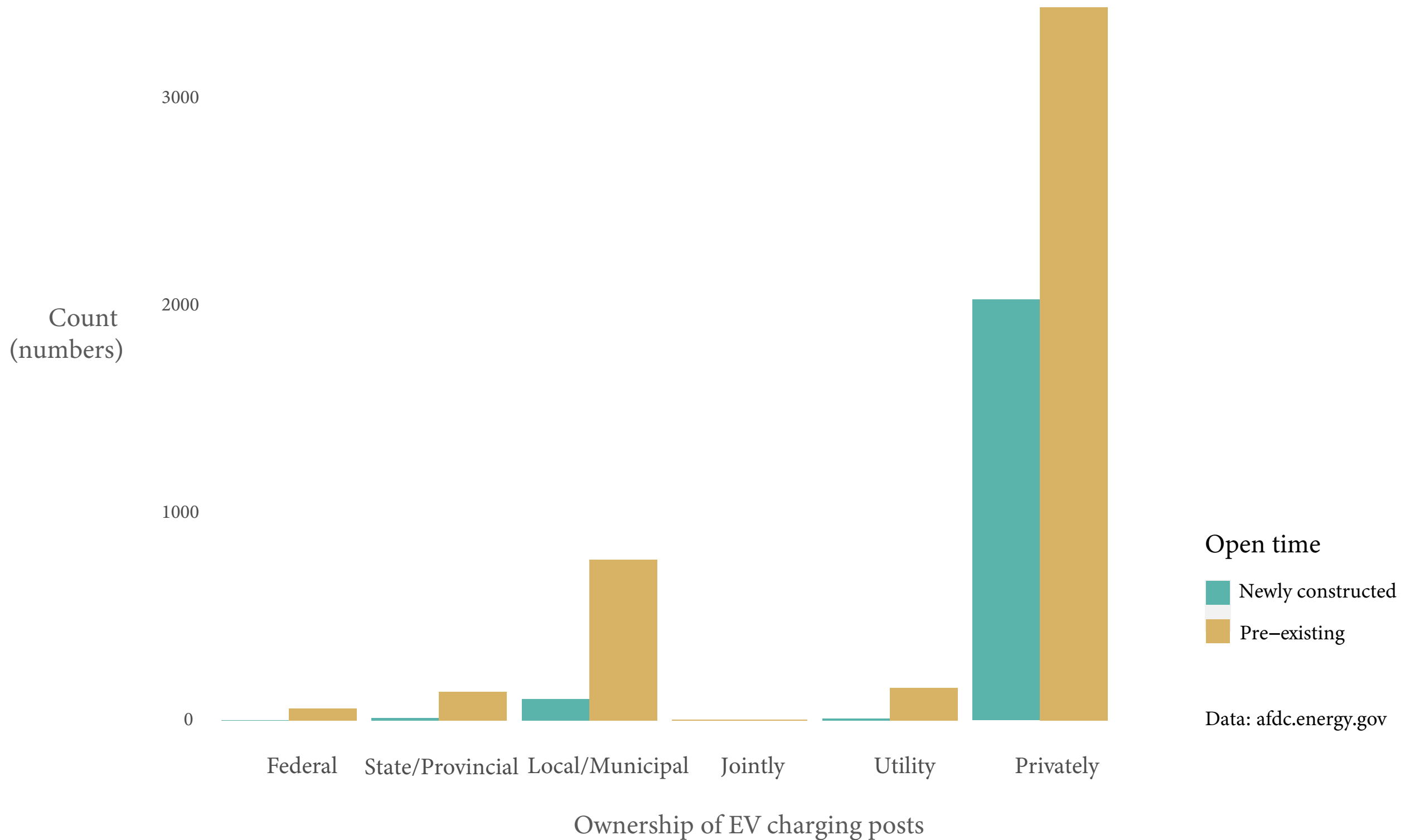


From left to right are the states with the least (NJ) to most (WY) adequate deployment of EV charging points. From 2018 to 2021, every state in the U.S. was committed to deploying electric vehicle charging infrastructure. The EV-to-charger ratio decreases in most states. However, most states still do not meet the Alternative Fuel Infrastructure Directive's (AFID) recommendation to reduce the EV-to-charger ratio to 10 by 2020 (white and green tiles in the chart).

Data Source:
Alternative Fuels Data Center:
Vehicle Registration Counts by State
Alternative Fueling Station Counts by State

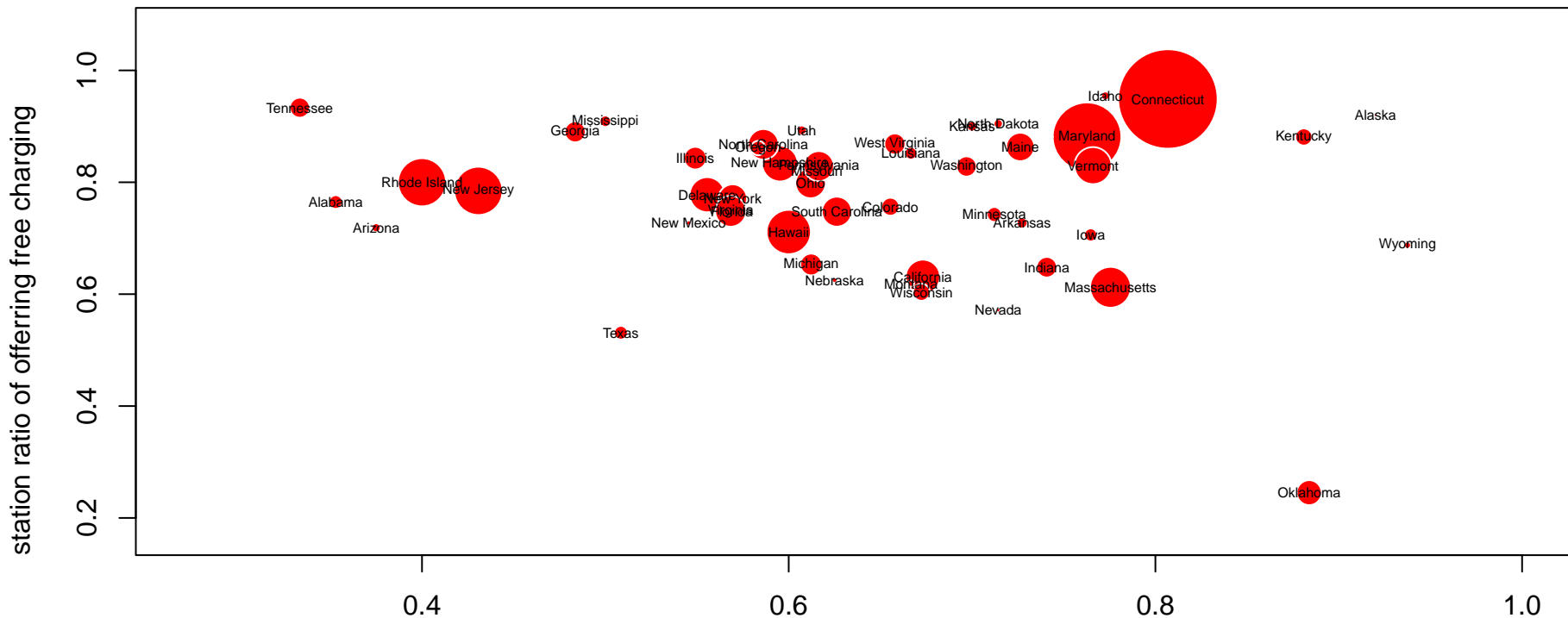
Bipartisan Infrastructure Law Incentives for building EV charging posts

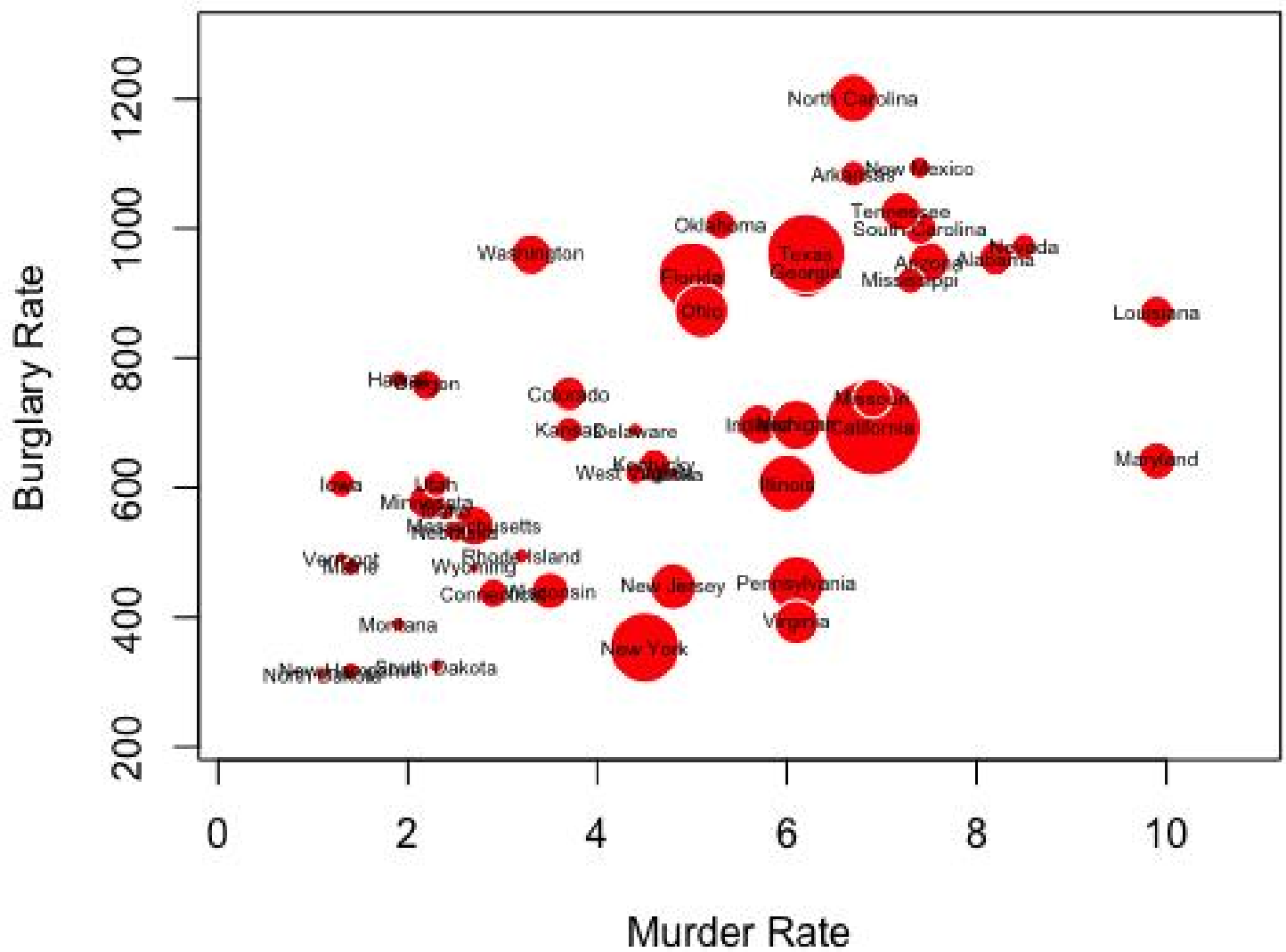
Comparison of the number of charging piles built by different entities before and after November 16, 2021



5 of the visualizations that need further refinement

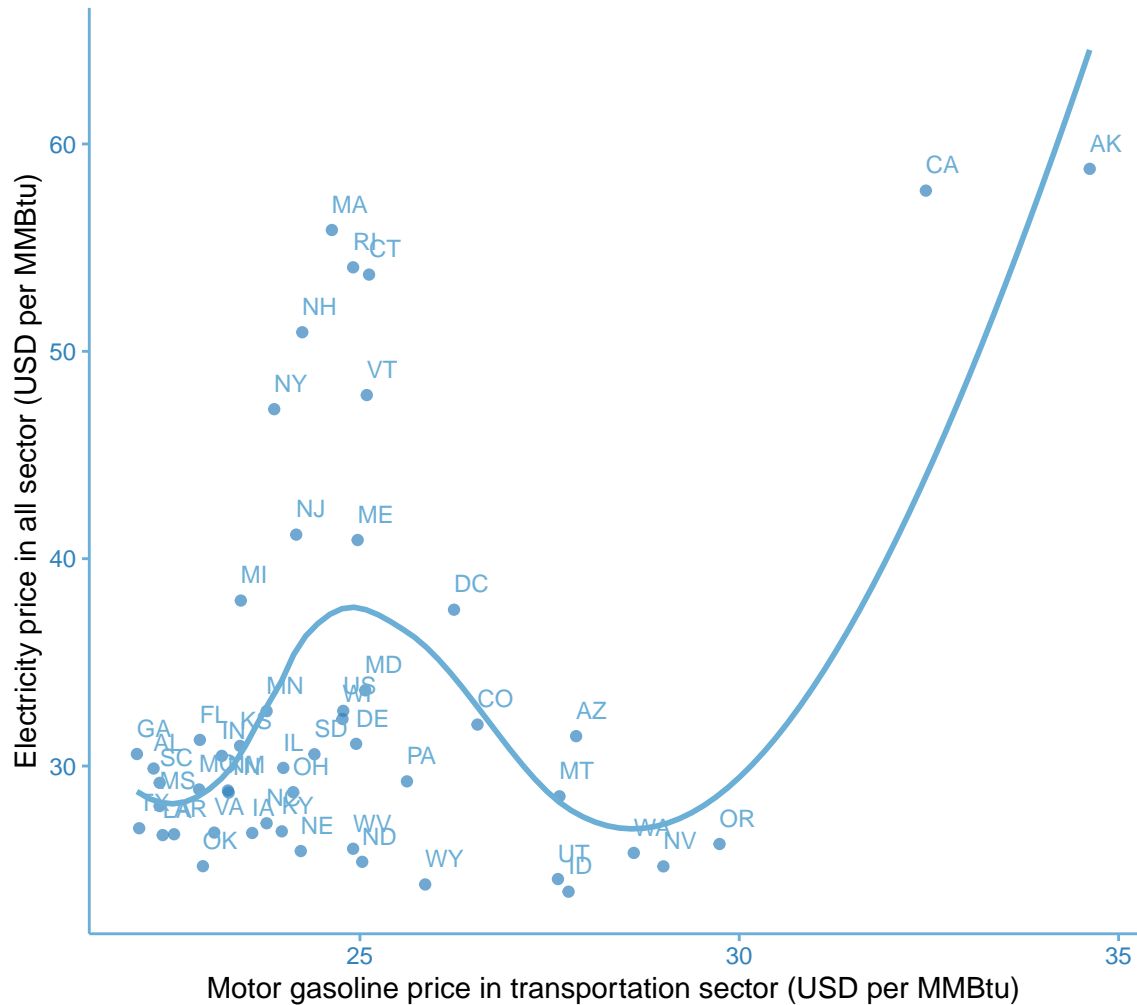
Convenience for residents in different US states to charge EVs





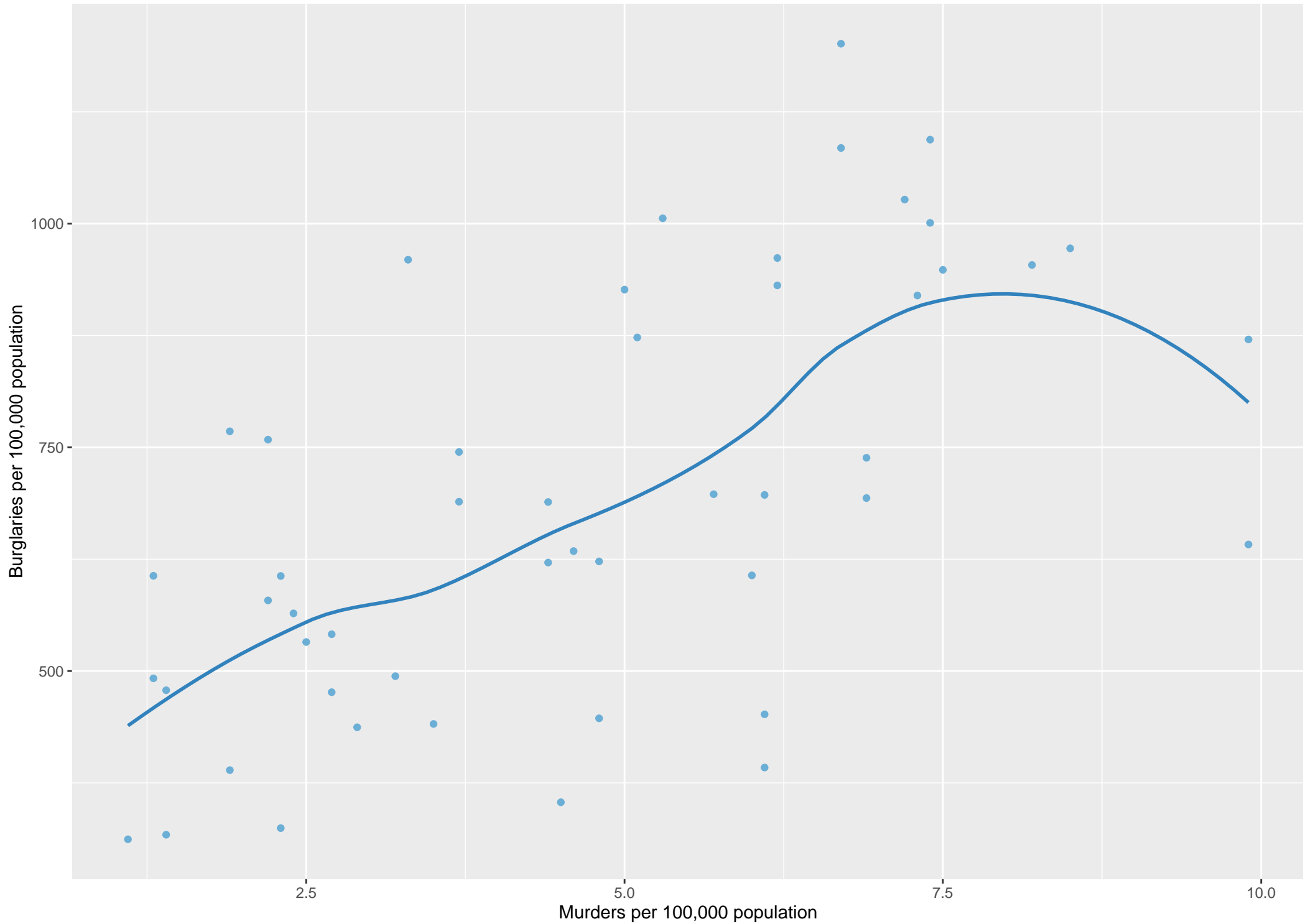
The cost of driving gasoline and electric cars in the United States

Motor gasoline price and electricity price in each state of US in 2021



MURDERS VERSUS BURGLARIES IN THE UNITED STATES

States with higher murder rates tend to have higher burglary rates



Ownership and charging of electric vehicle charging posts

Charges for electric vehicle charging stations of different owners in US

