

**Statement of Purpose**

This data set is almost identical to the one generated in the previous section, demonstrating the change in electric vehicle (EV) to charger ratios across U.S. states from 2018 to 2021, with only a few adjustments to fit the graph type better.

However, while a set of choropleth maps are mainly indicating to readers the general trend of the decrease of EV-to-charger ratio across U.S. states, the heat map here focuses on the spectrum of different levels of EV charging infrastructure deployment across U.S. states. On the most left there is New Jersey, with the highest EV-to-charger ratio in 2021, while on the most right there is Wyoming with the lowest ratio. From this aspect, readers could see that New Jersey, Arizona, Illinois, and California are among the states that need EV charging infrastructure the most, while Wyoming, North Dakota, and Mississippi are the states that need the infrastructure the least.