

The purpose of my original visualization

First, to practice generating a scatterplot with a similar format to Yau's figure, I am trying to develop my own ability to create this kind of figure.

Second, I created this figure with consideration of my thesis topic. For my thesis, I focused on the factors that influence people's consumption decisions of electric vehicles across different states in the US. Given that the cost of fuel is a key independent variable that affects the overall cost of driving, I chose to represent each state's motor gasoline price and electricity price on the x-axis and the y-axis, respectively, as a measurement of the cost of each fuel. Then, I tried to use each dot to represent a state, and use their locations to position each state's fuel cost for driving both gasoline vehicles and electric vehicles. By doing so, I tried to highlight the potential influence of fuel prices on individuals' consumption decisions across different states.