# Feedback on Visualizing E-Mobility Data

Thanks for taking the time to answer a few questions related to my visualization project. You can answer in English or German.

Go back to the project here:
http://rawgit.com/benjaminsoellner/DAND_6_VisualizeEMobilityDataInD3js/master/index.html

## Does one of the following apply to you?

- [x] Student at Udacity
- [ ] Student at another University
- [ ] E-Mobility professional
- [ ] In the business of visualizing or handling large amounts of data
- [x] Working in IT, Software Engineering or a related field

## What do you notice in the visualization?

The influencing factors of charge levers for EV batteries have been visualized very well.

## What questions do you have about the data?

Seeing how values change, e.g. throug manipulating the temperature in winter, would provide more insight about the actual behavior of the battery.

## What relationships do you notice?

link between driving behavior (acceleration), driving time/range and temperature to battery charge.

## What do you think is the main takeaway from this visualization?

Variation in the state of charge depending on different variables.

## What was something that surprised you?

I was not aware of the impact-magnitude of temperatures.

## What was a thing that remained unclear to you?

The links between the 3 different groups remains a bit fuzzy (sportive driving, regular driving, winter). Providing a more direct comparison and explaining the reasoning behind the visualized differences would help me understand impact and logic behind the charts.

## What was a thing that I could have explained better?

the overview chart remains confusing because it seems to lack a dimension (2 axis for temperature, time and state of charge)

## Are you curious to learn more about the topic?

| | 1 | 2 | 3 | 4 | 5 | |
|---|---|---|---|---|---|---|
| not at all | ○ | ○ | ○ | ◉ | ○ | very much so |

## Any other feedback (technical- or design-wise)...

Benny, this is a very cool topic and I can see how much effort went into the representation. Good job! To get a better picture of the meaning I suggest to include projections: How much quicker do you run out of charge depending on temperature/driving behavior? How much impact would that have on range/driving time? Some chart manipulation (changing temperatures/driving behavior and see the change in the graph in comparison to previous setting) would be great, too. Keep on going, data-king ;-) [redacted]