

STAT 479 Milestone 4

Observable Link

<https://observablehq.com/@szhang577/stat-479-group-12>

Reflection and decision

According to the feedback from peers and the teaching team, we feel we need to focus more on the visualization part in our preliminary version project. Therefore, we did not modify our questions, context, and goals, or interpretational text significantly. In order to provide better guidance for any reader who is unfamiliar with our previous milestone, we add a title for each plot, which could help the audience directly understand the plot's content.

For the visualization part, we basically follow the suggestions from the teaching team. First of all, we modify our axis name and label text to make it easy for human reading. Then, we remove the redundant color encoding channel in Figure 1. Because we already use state names to identify each state in the y-axis, there is no need for using an extra color encoding channel to distinguish among states. We also increase the highlighted margin to help readers identify which points they are highlighting through hover or click operation.

Finally, we made reformat our plot in Figure 3. We initially use the design idea of “dual-axis,” but this would actually misguide the relationship between vaccination rate and daily dose. Thus, we utilize the feature of facet. We feel present our data trend in separated sub-plots would still help readers to identify and compare easily.