I used the basic template that I had created for the first Shiny app I made and applied it to a figure of mine that I previously modified on March 24th. I had made a figure that had 3 sites, 2 species of duckweed, and 4 herbivory treatments into a bar graph that graphed the proportion of each species in each treatment at each site, in an effort to reduce the number of variables floating in the visualization and ease comparison. This worked really well, but it was still a little difficult to do pairwise comparisons between the treatments and sites for that matter since they were all in a row.

This figure:

**Chart, scatter chart

Description automatically generated**

Became this figure:

![Chart, bar chart

Description automatically generated]()

So, I made 2 shiny apps, one for each of these figures, to manipulate which herbivory treatment was showing. I REALLY want to also be able to choose which species of duckweed for the error bar plot specifically, and for both of them to be able to choose which site you were visualizing as well. I will need to figure out how to add many more variables to the user interface. Here are some screenshots of how the Shiny app worked for each graph!

Chart, box and whisker chart

Description automatically generated

Chart, bar chart

Description automatically generated

This is definitely going to help me immensely as I write up this paper!