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Micro 493

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Homework 6

Good Plot:

1. Describe the plot. Be sure to describe the data set it came from, the type of plot (scatterplot, line, box-and-whiskers), and any other notable features.
   * + This plot could be considered a scatterplot but it also uses many different elements from other plots to communicate information.
2. What is the plot trying to communicate?
   * + The plot is trying to communicate how size of mussels and concentration decreases over time.
3. Why do you think this plot is successful?
   * + I think this plot does a good job at successfully plotting multiple variables. The 3-D plane is a nice touch and really makes the graph an eye-seeker.
4. Can you think of anything that could make the plot more successful? If not, what is a common plotting error that this plot avoided?
   * + I would have liked to see a different color scheme used in the gradient of the plot.

**Bioaccumulation of microcystins in invasive bivalves: A case study from the boreal lagoon ecosystem**

Diagram

Description automatically generated

Bad Plot:

1. Describe the plot as you did with the “good” plot
   * + This plot titled “What percentage of your work time do you spend working remotely” shows a hollow pie chart with different percentages and colors for each percentage. The data comes from one of the largest remote work reports available online.
2. What is the plot trying to communicate?
   * + The plot tries to communicate how much time people spend working from home using percentages.
3. In what way does the plot obscure the meaning of the data, or mislead the reader?
   * + The plot uses two different percentages for each color (percent of people working remotely, and percent taken up within the pie chart). This plot is very confusing to the readers and could lead people who cannot read a chart accurately to be confused by the different percentages.
4. What could be done to make the plot easier to read, or more honest?
   * + I think the best way to make this plot easier to read would be to display the information in a bar or line graph for each percentage.

<https://lp.buffer.com/state-of-remote-work-2020#1>

Chart, pie chart

Description automatically generated