

Week 6- ggplot challenge!

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This week, you will be working with data from the World Happiness Report again. After exploring the data from the 2020 report, you decide that you are interested in examining some of the variables longitudinally. You look to see whether they have data from previous years, and they do! They just released data from their 2021 report, and they also had a file available for download that has data collected between 2007 and 2018. You loaded in all those files and combined them to get data for all the years.

1) create a new script (we recommend quarto or rmarkdown) and load in clean happiness data file

2) Think of a question you'd like to ask about the data (eg. does happiness change between 2019 and 2020).

3) Spend the rest of class visualizing this question.

3.1 Clean and Reshape your data as needed to make the plots to explore these variables and the relations thoroughly.

3.2) Take at least one of your plots and make it "publication ready"! Publication-ready plots are plots that:

- Have nice names for the x- and y-axes, title of the plot, and legend
- Have a white background (i.e., not the default theme of the plot)
- Axes are scaled properly
- You may choose to change the color scheme (Have fun with different palettes! You can look up color brewer, for example)

4) Create a brief report to share with the class with the following:

1. What question(s) motivated your data exploration
2. What variables you explored
3. At least one plot (but as many as you'd like!)
4. A few sentences summarizing your findings