

Assignment 3: Generate Plots with your data

Due: **Tuesday, September 17th**

For Assignment 2, you made an Rstudio Project folder and wrote a script that allows you to load the data and manipulate the data.

In this assignment, I would like you to go one step further and create a graphic to visualize your data or some result of analyses.

You will likely get the most out of this assignment if you have a vision for what kind of plots or visualizations describe the types of analyses you want to be doing. For example, look at figures from publications that conduct the types of analyses you want to do. You don't have to re-create those figures exactly, but it might require going a bit beyond the specific codes we have covered in class.

Here are the concrete steps:

1. You can keep working with the same project file you made in Assignment 2

2. In your script file, add lines of code to create figures.

You can make this plot as fancy as you want. But make sure at the minimum that you have your x- and y-axes labeled.

3. Make sure you annotate (i.e., comment with #) your code and describe what exactly you are intending to plot.

4. If you have made an honest effort but you are hopelessly stuck, keep the code that you have written, but also upload a paper, report, whatever that shows the type of figure you want to make.

5. Upload the whole project folder to your course Box folder under "Assignment 3".