**Assignment 5**

Write code that performs the following functions or that answers the question. Feel free to do this in R, then copy + paste your code into the assignment turn in space.

1. What are the two lines of code needed before you can use a package? Demonstrate this by installing & loading the package “ggplot2”
2. Create a plot with data. This can be any of the plots we talked about in class (boxplot, scatterplot, histogram), or other graphics part of ggplot2 (see ggplot2 cheat sheet in the lecture slides or the ggplot2 reference manual for more plotting functions) using any of the data we have used in this class or other data you have. Be creative! Use comments to briefly explain what you did (what your figure is showing).
   1. Make sure to give your figure labels so an audience can understand what you’re displaying
3. There are over 10,000 R packages that exist. Do a google search or use the [list of packages on the CRAN website](https://cran.r-project.org/web/packages/available_packages_by_name.html) to find one that matches your interests (e.g. related to your research, major/minor, hobbies, etc.). Find one that we have NOT talked about in class.
   1. Install/load that package
   2. Using comments, give a brief explanation of what that package does & how it ties in with your interests
   3. Give a brief demonstration of a functionality of that package (e.g. call a function or print a dataset part of that package, etc.)
   4. Use comments to explain what your demonstration is