

How is working with data via a command line interface different from using a graphical user interface?

How do we balance reproducibility of our analysis with accessibility of the analytical tools? What's challenging for you right now regarding learning and using R? What are the "a-ha" moments that you're celebrating?

Working with data using a graphical user interface is super user-friendly because it is easily digestible. Oftentimes when I am using ggplot to graph something in R I run my code over and over while making small changes so that I can view my changes graphically and not search through my command lines. On the same note, using a command line is a very neat and simple way to graph the data.

I already have a background with R and R-Studio. Because of this I have some bigger picture issues on my mind such as cleaning up my code. I want to start using my own functions when I am repeating certain steps so that I can clean up my code and make it more understandable.

I have had a few a-ha moments over the past week or so though. I've figured out a few new ways to represent my data visually, mostly from the Healy textbook which I have found super helpful. I've also felt in the past week that I've gotten A LOT better at using google to answer my questions with R. I've always thought that good programmers are good at asking questions and good at using google, mostly because my husband is a programmer. In all honesty I've never felt that successful in those two areas. In the past week or so though I've felt comfortable going to google and finding the exact answer I need in a manner of minutes. This has been such a relief for me because I feel a lot more self-sufficient in my work process.

As far as reproducibility and accessibility go, I really like R because it is free and open to everyone. This helps me to know that as long as I have an easy to read code I can share it with others to reproduce my same analysis in other areas. Along these lines, I am hoping to make my code more readable as I mentioned earlier. I'm hoping to use more specific and clean commenting methods as well as more streamlined syntax in my commands.