Final Project Report

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I first read the project outline and had no idea what I was going to do for it. I ultimately ended up just doing the other option where it just told you exactly what I needed to make. I first had absolutely no idea where I was going to start on this project because coding has been a very big struggle throughout the semester, but I had enough examples from the labs and homework’s to piece something together. I had to hop into office hours a couple times to get some suggestions on what to do, but I also had an easy time for about half of the project.

For starters, my big struggles throughout the project were trying to figure out where to put everything in the GUI. I had a rough idea of where I wanted the buttons to be placed, but I did not know how to make it perfect. I took about an hour of guess and check until I figured out which way each of the values moved the components. I would say the hardest part for me was trying to figure out the code for the graphing. Trying to figure out the code that makes the variables change the way I want was difficult, but office hours helped a lot with that portion. The ‘is empty’ portion of the code was all foreign to me. There was no way I would have been able to figure that out without any help.

Furthermore, the rest of the code really was not too bad. Like I stated earlier, I was just playing around with different GUI designs and formats until I landed on the one, I chose. Setting the titles, axis, colors, and symbols were all pretty straightforward after I figured the first one out. It was just wash, rinse repeat for those. The examples from earlier in the year really helped a lot visualizing how I was going to go about assigning those values.

Additionally, how would I use GUI’s later in life on other projects. I have always really liked baseball, so I would want to make a program that could compare stats. I like to be able to see all the data laid out nicely on a couple different parts of the GUI with different stats and I could just pull up each player and compare.

Overall, this project took me a while but was not impossible with my minimal knowledge of MATLAB. Without the help of office hours, I do not think I would have passed half of the labs, but with the help I got, I was able to actually figure out how to solve the problems.