

Running the Shiny App

Currently, there are 3 different ways that this application can be run (running it through R, utilizing our package, or running it through Docker). Below is a step-by-step guide for how to run this application through any of these methods.

1.) Running this application through R

1. Download the FrequencyBandAnalysis folder (which directly contains the app.R file) seen in this repository, and set that folder to be your working directory in R.
2. Ensure that the packages listed in the app.R file are installed on your machine.
3. Simply run the command `runApp()` in whatever R console you are using, and wait for the application to load in a new window.

2.) Running this application through our package

- The corresponding package for this application, and its associated functions is currently a work in progress. This will be updated once the package has been made.

3.) Running this application through Docker

1. Open your command line, and run the command `docker pull dylanward01/frequencybandanalysis:latest` (or replacing the latest with whichever specific version you want to use).
2. After the image finishes pulling, run the command `docker run -d -rm -p 3838:3838 dylanward01/frequencybandanalysis:latest` (or replacing the 3838:3838 with whatever port you wish to run this application through, and/or replacing the latest with whichever version you chose).
3. Once that command finishes, and the application has loaded (which will take a few minutes after the command finishes), open up your favorite web browser, and type in `localhost:3838` (or again replacing the 3838 if you chose a different port number), and proceed to run through and enjoy the shiny application.