Project Code Structure

The code structure is very simple, there are two scripts, one for each exercise of our project.

CountingCards.r : This one is for our exercise when taking into account card counting. It runs the simulation then will print all the necessary graphs for analysis. All comments explaining the way the script works are included in this script.

RandomCards.r : This one is for our exercise which used the REINFORCE method. It runs the simulations and will print out the necessary graphs and results for analysis. All comments explaining the way the script works are included in this script.

We us the main.r script to call these two scripts one after the other. Since they are heavy scripts to run and use up a lot of RAM, there is a function to clear the plots and environment in between. It is better to run one script, analyze the results and then delete its data and run the other script. To make sure the main.r script runs the scripts correctly, it is mandatory to make sure the *working directory* is set to the folder containing these scripts.

Here is a small chart explaining their link :