

Assignment

- Create 1 Mn random numbers using:
 - `num = round(1e6 * runif(1e6));` # six represents number of zeros, i.e. $1e6 = 10^6$
 - Sort these numbers using:
 - `num = sort(num);`
 - Did it take noticeable time? Try with 2 Mn, 5 Mn and 10 Mn. What do you observe?
 - Do the following:
 - `count = 1e6; a = round(count * runif(count)); start = Sys.time(); a = sort(a); end = Sys.time(); print(end - start);`
 - Do the above for 1 Mn, 2 Mn, ... , 10 Mn and note the time. Make a table out of it and comment on it!
 - Get help on following functions from R console: `mvnrm`, `lm`, `inner_join`, `merge`, `stargazer`.- Figure out from internet how to run system commands in R. I want to know the R function name for doing this. Write the source of your answer.