

Vincent_Jin_Mini_Assignment1

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Mini Assignment 1

Vincent Jin

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Mini-assignment # 1

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*** for each of the following questions, type “done” if you achieved it ***

install R on your PC/Mac

Done

install RStudio on your PC/Mac

Done

install the following package: data.table

```
# install.packages("data.table")
```

Done

call the data.table library

```
library(data.table)
```

install the following package: benchmarkme (it may take some time as it will install other packages)

```
# install.packages("benchmarkme")
```

Done

*** if you get an error, simply report the error (specially for Mac users) ***

No error encountered

call the benchmarkme library

```
library(benchmarkme)
```

*** for each of the following questions, type the results after the question ***

run “version” command in the console and provide the result

```
version
```

```
##  
## platform      _  
## arch          x86_64-w64-mingw32  
## os            mingw32  
## system        x86_64, mingw32  
## status  
## major         4  
## minor         1.3  
## year          2022  
## month         03  
## day           10  
## svn rev       81868  
## language      R  
## version.string R version 4.1.3 (2022-03-10)  
## nickname      One Push-Up
```

run “memory.limit()” command in the console and provide the result

```
memory.limit()
```

```
## [1] 32679
```

run “get_cpu()” command in the console and provide the result

```
get_cpu()
```

```
## $vendor_id
## [1] "AuthenticAMD"
##
## $model_name
## [1] "AMD Ryzen 9 5900X 12-Core Processor"
##
## $no_of_cores
## [1] 24
```

run “data(sample_results)” command (no results will be shown in the console)

```
data("sample_results")
```

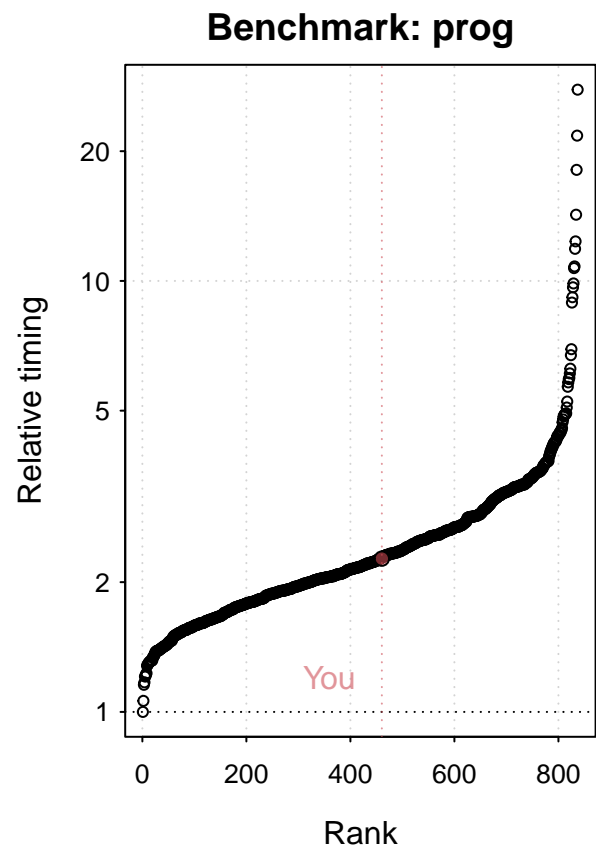
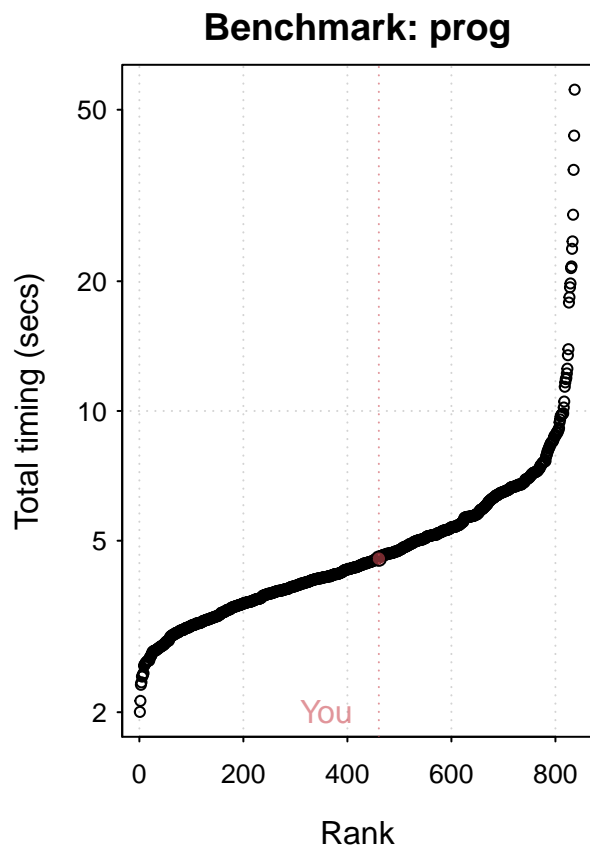
run “plot(sample_results, blas_optimize = NULL)” command – provide the ranks provided by R (usually 3 numbers printed in the console; you can ignore the plots!)

```
plot(sample_results, blas_optimize = NULL)
```

```
## You are ranked 461 out of 841 machines.
```

```
## Press return to get next plot
```

```
## You are ranked 554 out of 839 machines.
```



Press return to get next plot

You are ranked 494 out of 839 machines.

