

template: Benchmarks

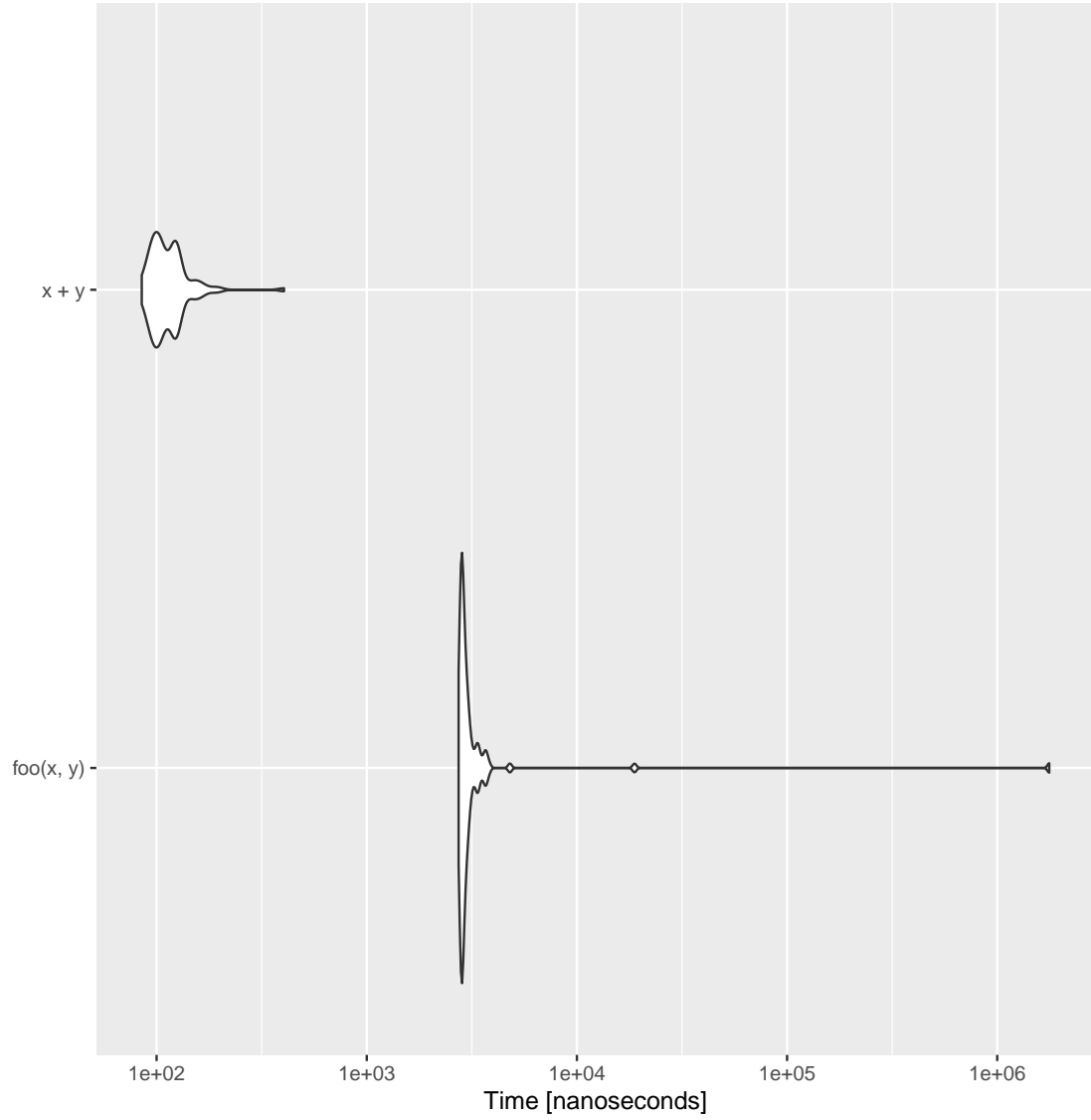
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1 foo

```
#> Unit: nanoseconds
#>      expr  min   lq   mean median    uq    max neval
#> foo(x, y) 2736 2822 20797.9   2881 3039.5 1768262   100
#>      x + y   85   98   116.5    107  123.5    404   100

#> Coordinate system already present. Adding new coordinate system, which will replace
the existing one.

#> [[1]]
```



Environment

```
ls()

#> [1] "i"      "root"
```

Class

```
obj_i <- lapply(
  X = ls(),
  FUN = function(x) eval(parse(text = x))
)
unique(
  lapply(
    X = obj_i,
    FUN = class
  )
)

#> [[1]]
#> [1] "character"
#>
#> [[2]]
#> [1] "root_criterion"
```

Session - Overleaf

```
sessionInfo()

#> R version 4.1.2 (2021-11-01)
#> Platform: x86_64-pc-linux-gnu (64-bit)
#> Running under: Ubuntu 20.04.3 LTS
#>
#> Matrix products: default
#> BLAS: /usr/lib/x86_64-linux-gnu/atlas/libblas.so.3.10.3
#> LAPACK: /usr/lib/x86_64-linux-gnu/atlas/liblapack.so.3.10.3
#>
#> locale:
#>  [1] LC_CTYPE=C.UTF-8      LC_NUMERIC=C          LC_TIME=C.UTF-8
#>  [4] LC_COLLATE=C.UTF-8    LC_MONETARY=C.UTF-8   LC_MESSAGES=C.UTF-8
#>  [7] LC_PAPER=C.UTF-8      LC_NAME=C             LC_ADDRESS=C
#> [10] LC_TELEPHONE=C        LC_MEASUREMENT=C.UTF-8 LC_IDENTIFICATION=C
#>
#> attached base packages:
#> [1] stats      graphics  grDevices  utils      datasets  methods   base
#>
#> loaded via a namespace (and not attached):
#>  [1] knitr_1.36          magrittr_2.0.1      munsell_0.5.0
#>  [4] colorspace_2.0-2    R6_2.5.1            rlang_0.4.12
#>  [7] fansi_0.5.0         stringr_1.4.0       highr_0.9
#> [10] tools_4.1.2         grid_4.1.2          gtable_0.3.0
#> [13] xfun_0.28           tinytex_0.35        utf8_1.2.2
#> [16] ellipsis_0.3.2      digest_0.6.29       rprojroot_2.0.2
#> [19] tibble_3.1.6        lifecycle_1.0.1     crayon_1.4.2
#> [22] farver_2.1.0        ggplot2_3.3.5       microbenchmark_1.4.9
#> [25] vctrs_0.3.8         glue_1.5.1          evaluate_0.14
#> [28] stringi_1.7.6       compiler_4.1.2      pillar_1.6.4
#> [31] scales_1.1.1        pkgconfig_2.0.3
```

References

R Core Team. (2021). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>