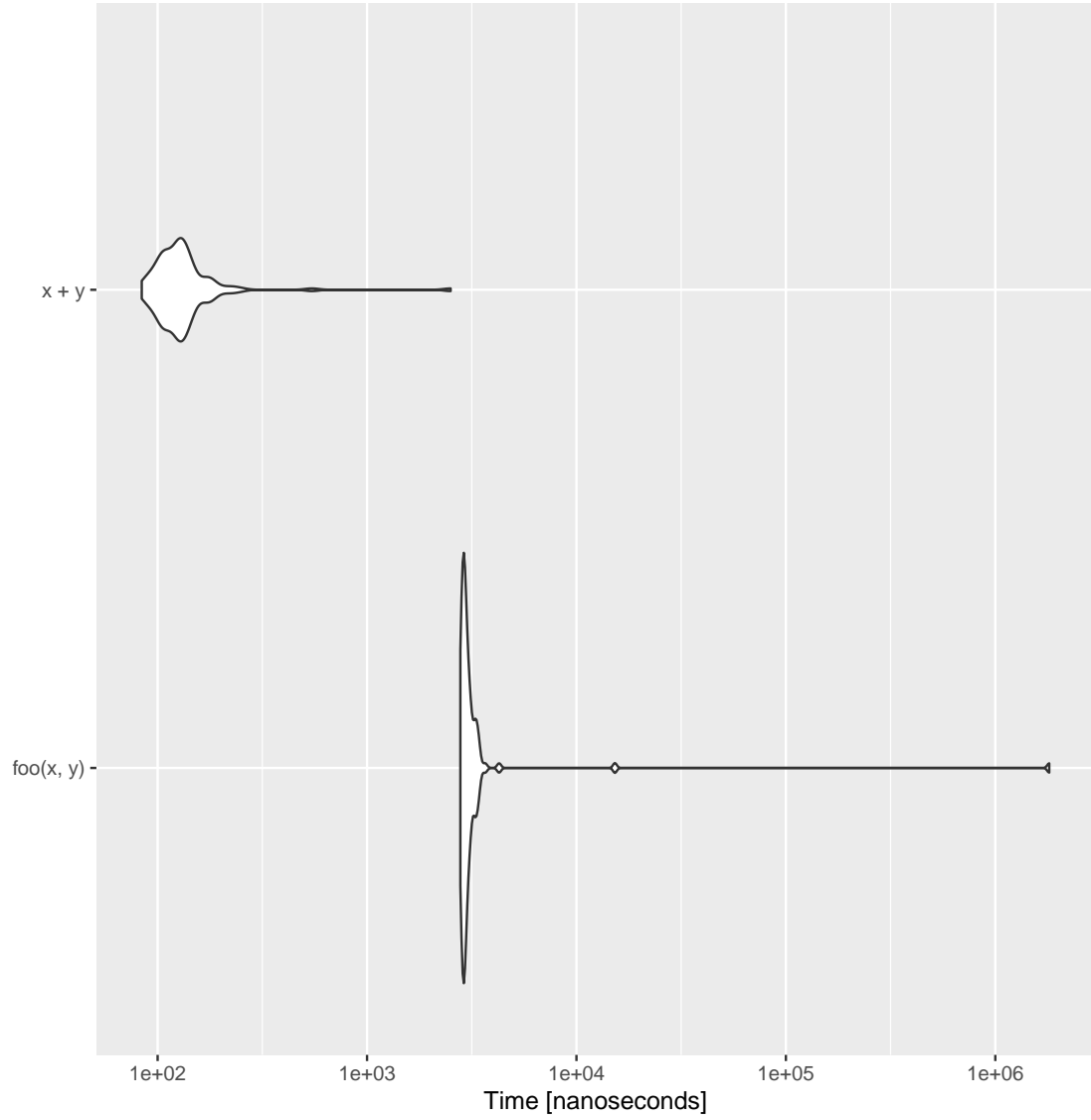# template: Benchmarks

Ivan Jacob Agaloos Pesigan

## 1  foo

```
#> Unit: nanoseconds
#>      expr  min     lq     mean median     uq     max neval
#>  foo(x, y) 2790 2870.0 21200.50 2938.5 3104.5 1809718   100
#>      x + y   84  106.5   156.45  126.0  142.5    2507   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         utf8_1.2.2          ellipsis_0.3.2
#> [16] rprojroot_2.0.2   digest_0.6.29       tibble_3.1.6
#> [19] lifecycle_1.0.1   crayon_1.4.2        farver_2.1.0
#> [22] ggplot2_3.3.5     microbenchmark_1.4.9 vctrs_0.3.8
#> [25] glue_1.5.1        evaluate_0.14       stringi_1.7.6
#> [28] compiler_4.1.2    pillar_1.6.4        scales_1.1.1
#> [31] 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/