Session Info

Ivan Jacob Agaloos Pesigan

Session

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sessionInfo()
#> R version 4.4.0 (2024-04-24)
#> Platform: x86_64-pc-linux-gnu
#> Running under: Ubuntu 22.04.4 LTS
#> Matrix products: default
#> BLAS: /usr/lib/x86_64-linux-gnu/openblas-pthread/libblas.so.3
#> LAPACK: /usr/lib/x86_64-linux-gnu/openblas-pthread/libopenblasp-r0.3.20.so; LAPACK version 3.10
#>
#> locale:
#> [1] LC_CTYPE=en_US.UTF-8
                              LC_NUMERIC=C
#> [3] LC_TIME=en_US.UTF-8
                               LC_COLLATE=en_US.UTF-8
#> [5] LC_MONETARY=en_US.UTF-8 LC_MESSAGES=en_US.UTF-8
#> [7] LC_PAPER=en_US.UTF-8
                             LC_NAME=C
#> [9] LC_ADDRESS=C
                             LC_TELEPHONE=C
#> [11] LC_MEASUREMENT=en_US.UTF-8 LC_IDENTIFICATION=C
#>
#> time zone: Etc/UTC
#> tzcode source: system (glibc)
#> attached base packages:
#> [1] stats graphics grDevices utils datasets methods
                                                            base
#> other attached packages:
#> [1] rProject_0.0.13
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.5.0 R6_2.5.1
                               lubridate_1.9.3 xfun_0.45
#> [5] magrittr_2.0.3 glue_1.7.0 stringr_1.5.1 knitr_1.47
#> [9] timechange_0.3.0 generics_0.1.3 lifecycle_1.0.4 xml2_1.3.6
tools_4.4.0
#> [21] evaluate_0.24.0 Rcpp_1.0.12 RefManageR_1.4.0 rlang_1.1.4
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References

R Core Team. (2023). R: A language and environment for statistical computing. R Foundation for Statistical Computing. Vienna, Austria. https://www.R-project.org/