Session Info

Ivan Jacob Agaloos Pesigan

Session

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sessionInfo()
#> R version 4.3.2 (2023-10-31)
#> Platform: x86_64-pc-linux-gnu (64-bit)
#> Running under: Ubuntu 22.04.3 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_0.0.7
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.4.1 R6_2.5.1 lubridate_1.9.3 xfun_0.42
#> [5] magrittr_2.0.3 glue_1.7.0 stringr_1.5.1 knitr_1.45
#> [9] timechange_0.3.0 generics_0.1.3 lifecycle_1.0.4
                                                          xml2_1.3.6
                                       compiler_4.3.2
#> [13] cli_3.6.2.9000
                                                          highr_0.10
                        bibtex_0.5.1
                                        httr_1.4.7
#> [17] rprojroot_2.0.4 plyr_1.8.9
                                                          rstudioapi_0.15.0
#> [21] tools_4.3.2
                     evaluate_0.23
                                      Rcpp_1.0.12
                                                          RefManageR_1.4.0
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Packages

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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/