

Session Info

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Session

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sessionInfo()
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#> R version 4.3.1 (2023-06-16)
#> 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/libopenblas-p-r0.3.20.so; LAPACK version 3.10.3
#>
#> 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_0.0.5
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.4.1  R6_2.5.1         lubridate_1.9.3  xfun_0.40
#>  [5] magrittr_2.0.3   glue_1.6.2       stringr_1.5.0    knitr_1.44
#>  [9] timechange_0.2.0 generics_0.1.3    lifecycle_1.0.3  xml2_1.3.5
#> [13] cli_3.6.1.9000   bibtex_0.5.1     compiler_4.3.1   plyr_1.8.9
#> [17] highr_0.10       rprojroot_2.0.3  httr_1.4.7       rstudioapi_0.15.0
#> [21] tools_4.3.1      evaluate_0.22    Rcpp_1.0.11      RefManageR_1.4.0
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#> [25] rlang_1.1.1      jsonlite_1.8.7    stringi_1.7.12
```

Packages

```
unname(installed.packages()[, 1])
```

```
#> [1] "cli" "crosstalk" "DT" "fitOU"
#> [5] "RcppArmadillo" "rProject" "simStateSpace" "tinytex"
#> [9] "abind" "arrow" "ash" "askpass"
#> [13] "assertthat" "backports" "base64enc" "betaDelta"
#> [17] "betaMC" "betaNB" "betaSandwich" "BH"
#> [21] "bibtex" "BiocManager" "bit" "bit64"
#> [25] "bitops" "blob" "brew" "brio"
#> [29] "broom" "bslib" "cachem" "callr"
#> [33] "car" "carData" "cellranger" "cffi"
#> [37] "checkmate" "cli" "clipr" "clock"
#> [41] "collections" "colorspace" "commonmark" "conflicted"
#> [45] "corpcor" "covr" "cpp11" "crayon"
#> [49] "credentials" "curl" "cyclocomp" "data.table"
#> [53] "DBI" "dbplyr" "desc" "deSolve"
#> [57] "devtools" "diagram" "dials" "DiceDesign"
#> [61] "diffobj" "digest" "distrib" "docopt"
#> [65] "downlit" "dplyr" "dtplyr" "duckdb"
#> [69] "dynr" "ellipsis" "evaluate" "fans"
#> [73] "farver" "fastmap" "fclust" "fda"
#> [77] "fdrtool" "fds" "FNN" "fontawesome"
#> [81] "forcats" "foreach" "Formula" "fs"
#> [85] "fst" "fstcore" "frr" "future"
#> [89] "future.apply" "gargle" "generics" "gert"
#> [93] "ggplot2" "gh" "gitcreds" "glasso"
#> [97] "glmnet" "globals" "glue" "googledrive"
#> [101] "googlesheets4" "gower" "GPfit" "gridExtra"
#> [105] "gtable" "gtools" "hardhat" "haven"
#> [109] "hdcrcde" "highr" "Hmisc" "hms"
#> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd"
#> [117] "httpuv" "httr" "httr2" "ids"
#> [121] "ifftools" "igraph" "infer" "ini"
#> [125] "ipred" "isoband" "iterators" "jomo"
#> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate"
#> [133] "kernlab" "knitr" "ks" "labeling"
#> [137] "Lahman" "languageserver" "later" "latex2exp"
#> [141] "lava" "lavaan" "lazyeval" "lhs"
#> [145] "lifecycle" "lintr" "listenv" "littler"
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#> [149] "lme4"           "locfit"         "lubridate"      "magick"
#> [153] "magrittr"      "markdown"       "Matrix"         "MatrixModels"
#> [157] "mclust"        "memoise"        "mice"           "microbenchmark"
#> [161] "mime"          "miniUI"         "minqa"          "misc3d"
#> [165] "mitml"         "mnormt"         "modeldata"      "modelenv"
#> [169] "modelr"        "multicool"      "munsell"        "mvtnorm"
#> [173] "nloptr"        "numDeriv"       "nycflights13"   "OpenMx"
#> [177] "openssl"       "ordinal"        "packrat"        "pan"
#> [181] "parallelly"    "parsedate"      "parsnip"        "patchwork"
#> [185] "pbapply"       "pbivnorm"       "pbkrtest"       "pcaPP"
#> [189] "pdftools"      "pillar"         "pkgbuild"       "pkgconfig"
#> [193] "pkgdown"       "pkgload"        "plogr"          "plot3D"
#> [197] "plyr"          "png"            "pracma"         "praise"
#> [201] "prettyunits"   "printr"         "processx"       "prodlm"
#> [205] "profvis"       "progress"       "progressr"      "promises"
#> [209] "ps"            "psych"          "purrr"          "qgraph"
#> [213] "qpdf"          "quadprog"       "quantreg"       "quarto"
#> [217] "R.cache"       "R.methodsS3"    "R.oo"           "R.utils"
#> [221] "R6"            "ragg"           "rainbow"        "rappdirs"
#> [225] "rbibutils"     "rcmdcheck"      "RColorBrewer"   "Rcpp"
#> [229] "RcppArmadillo" "RcppEigen"      "RcppGSL"        "RcppParallel"
#> [233] "RCurl"         "Rdpack"         "readr"          "readxl"
#> [237] "recipes"       "RefManager"     "rematch"        "rematch2"
#> [241] "remotes"       "renv"           "reprex"         "reshape2"
#> [245] "rex"           "rhub"           "rlang"          "RMariaDB"
#> [249] "rmarkdown"     "roxygen2"       "rpf"            "RPostgres"
#> [253] "rProject"      "rprojroot"      "rsample"        "rsconnect"
#> [257] "RSQLite"       "rstudioapi"     "rversions"      "rvest"
#> [261] "Ryacas"        "sass"           "scales"         "selectr"
#> [265] "semmccci"      "sessioninfo"    "shape"          "shiny"
#> [269] "slider"        "snow"           "snowfall"       "sourcetools"
#> [273] "SparseM"       "SQUAREM"        "StanHeaders"    "stringi"
#> [277] "stringr"       "styler"         "sys"            "systemfonts"
#> [281] "testthat"      "textshaping"    "tibble"         "tidymodels"
#> [285] "tidyr"         "tidyselect"     "tidyverse"      "timechange"
#> [289] "timeDate"      "tinytex"        "tune"           "tzdb"
#> [293] "ucminf"        "urlchecker"     "usethis"        "utf8"
#> [297] "uuid"          "V8"             "vctrs"          "viridis"
#> [301] "viridisLite"   "vroom"          "waldo"          "warp"
#> [305] "whisker"       "whoami"         "withr"          "workflows"
#> [309] "workflowsets"  "xfun"           "xml2"           "xmlparsedata"
#> [313] "xopen"         "xtable"         "yaml"           "yardstick"
#> [317] "zip"           "base"           "boot"           "class"
#> [321] "cluster"       "codetools"      "compiler"       "datasets"
#> [325] "foreign"       "graphics"       "grDevices"      "grid"

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```
#> [329] "KernSmooth"      "lattice"          "MASS"             "Matrix"
#> [333] "methods"         "mgcv"             "nlme"             "nnet"
#> [337] "parallel"        "rpart"            "spatial"          "splines"
#> [341] "stats"           "stats4"           "survival"         "tcltk"
#> [345] "tools"           "utils"
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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/>