

Session Info

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Session

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sessionInfo()

#> R version 4.5.2 (2025-10-31)
#> Platform: x86_64-pc-linux-gnu
#> Running under: Ubuntu 24.04.3 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-p0.3.26.so; LAPACK version 3.12.0
#>
#> 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
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#> tzcode source: system (glibc)
#>
#> attached base packages:
#> [1] stats      graphics  grDevices utils      datasets  methods   base
#>
#> other attached packages:
#> [1] rProject_0.0.23
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.5.0 R6_2.6.1      lubridate_1.9.5 xfun_0.56
#> [5] magrittr_2.0.4  glue_1.8.0    stringr_1.6.0   knitr_1.51
#> [9] timechange_0.4.0 generics_0.1.4 lifecycle_1.0.5 xml2_1.5.2
#> [13] cli_3.6.5.9000 bibtex_0.5.2  compiler_4.5.2  plyr_1.8.9
#> [17] highr_0.11      rprojroot_2.1.1 httr_1.4.7      tools_4.5.2
#> [21] evaluate_1.0.5  Rcpp_1.1.1    RefManageR_1.4.0 otel_0.2.0
#> [25] rlang_1.1.7     jsonlite_2.0.0 stringi_1.8.7

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Packages

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

#> [1] "base64enc"      "bibtex"         "cTMed"
#> [4] "devtools"       "lubridate"      "pkgload"
#> [7] "rProject"       "tinytex"        "abind"
#> [10] "Amelia"         "arm"            "arrow"
#> [13] "ash"            "AsioHeaders"    "askpass"
#> [16] "assertthat"     "backports"      "base64enc"

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#> [19] "betaDelta"      "betaMC"      "betaNB"
#> [22] "betaSandwich"   "BH"          "bibtex"
#> [25] "BiocManager"    "BiocVersion" "bit"
#> [28] "bit64"          "bitops"      "blob"
#> [31] "bootStateSpace" "brew"        "brio"
#> [34] "broom"          "bslib"       "cachem"
#> [37] "callr"          "car"         "caracas"
#> [40] "carData"        "cellranger"  "cfrfr"
#> [43] "checkmate"      "cli"         "clipr"
#> [46] "clock"          "clusterGeneration" "coda"
#> [49] "c0de"           "collections" "colorspace"
#> [52] "commonmark"     "conflicted"  "corpcor"
#> [55] "covr"           "cowplot"     "cpp11"
#> [58] "crayon"         "credentials" "crosstalk"
#> [61] "cTMed"          "ctsem"       "curl"
#> [64] "data.table"     "DBI"         "dbplyr"
#> [67] "Deriv"          "desc"        "deSolve"
#> [70] "devtools"       "diagram"     "dials"
#> [73] "DiceDesign"     "diffobj"     "digest"
#> [76] "distributional" "distro"      "doBy"
#> [79] "docopt"         "downlit"     "dplyr"
#> [82] "DT"            "dtplyr"      "duckdb"
#> [85] "dynr"          "dynUtils"    "ellipse"
#> [88] "ellipsis"       "evaluate"     "expm"
#> [91] "fansi"          "farver"      "fastDummies"
#> [94] "fastmap"        "fclust"      "fda"
#> [97] "fdrtool"        "fds"         "fitDTVARMxID"

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#> [100] "FNN" "fontawesome" "forcats"
#> [103] "foreach" "forecast" "Formula"
#> [106] "fracdiff" "fs" "fst"
#> [109] "fstcore" "furrr" "future"
#> [112] "future.apply" "gargle" "generics"
#> [115] "gert" "ggplot2" "ggrepel"
#> [118] "gh" "gitcreds" "glasso"
#> [121] "glmnet" "globals" "glue"
#> [124] "googledrive" "googlesheets4" "gower"
#> [127] "GPArotation" "GPfit" "graphicalVAR"
#> [130] "gridExtra" "gsubfn" "gtable"
#> [133] "gtools" "hardhat" "haven"
#> [136] "hdrcde" "here" "highr"
#> [139] "Hmisc" "hms" "htmlTable"
#> [142] "htmltools" "htmlwidgets" "httpgd"
#> [145] "httpuv" "httr" "httr2"
#> [148] "ids" "ifaTools" "igraph"
#> [151] "infer" "ini" "inline"
#> [154] "ipred" "isoband" "iterators"
#> [157] "jomo" "jpeg" "jquerylib"
#> [160] "jsonlite" "jsonvalidate" "kernlab"
#> [163] "knitr" "ks" "labeling"
#> [166] "Lahman" "languageserver" "later"
#> [169] "latex2exp" "lava" "lavaan"
#> [172] "lazyeval" "lhs" "lifecycle"
#> [175] "lintr" "listenv" "litedown"
#> [178] "littler" "lme4" "lmtest"

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#> [181] "locfit"          "longMI"          "loo"
#> [184] "lubridate"       "magick"           "magrittr"
#> [187] "markdown"        "MatrixModels"    "matrixStats"
#> [190] "mclust"          "memoise"          "metaDyn"
#> [193] "metaSEM"         "metaVAR"          "mice"
#> [196] "microbenchmark" "mime"             "miniUI"
#> [199] "minqa"           "mitml"            "mize"
#> [202] "mlVAR"           "mnormt"           "modeldata"
#> [205] "modelenv"        "modelr"           "MplusAutomation"
#> [208] "multicool"       "mvtnorm"          "nloptr"
#> [211] "numDeriv"        "nycflights13"     "OpenMx"
#> [214] "openssl"         "ordinal"          "otel"
#> [217] "pan"             "pander"           "parallelly"
#> [220] "parsnip"         "patchwork"        "pbapply"
#> [223] "pbivnorm"        "pbkrtest"         "pcaPP"
#> [226] "pdftools"        "pillar"           "pkgbuild"
#> [229] "pkgconfig"       "pkgdown"          "pkgload"
#> [232] "plogr"           "plyr"             "png"
#> [235] "posterior"       "pracma"           "praise"
#> [238] "prettyunits"     "printr"           "processx"
#> [241] "prodlim"         "profvis"          "progress"
#> [244] "progressr"       "promises"         "proto"
#> [247] "ps"              "psych"            "purrr"
#> [250] "qgraph"          "qpdf"             "quadprog"
#> [253] "quantmod"        "quantreg"         "quarto"
#> [256] "QuickJSR"        "R.cache"          "R.methodsS3"
#> [259] "R.oo"            "R.utils"          "R2jags"

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#> [262] "R2WinBUGS"      "R6"      "ragg"
#> [265] "rainbow"       "rappdirs" "rbibutils"
#> [268] "rcmdcheck"     "RColorBrewer" "Rcpp"
#> [271] "RcppArmadillo" "RcppEigen" "RcppGSL"
#> [274] "RcppParallel" "RcppTOML" "RCurl"
#> [277] "Rdpack"        "readr"     "readxl"
#> [280] "recipes"       "RefManageR" "reformulas"
#> [283] "rematch"       "rematch2" "remotes"
#> [286] "reprex"        "reshape2" "reticulate"
#> [289] "rex"           "rhdf5"     "rhdf5filters"
#> [292] "Rhdf5lib"      "rhub"      "rjags"
#> [295] "rlang"         "RMariaDB" "rmarkdown"
#> [298] "roxygen2"      "rpf"       "RPostgres"
#> [301] "rProject"      "rprojroot" "rsample"
#> [304] "RSQLite"       "rstan"     "rstantools"
#> [307] "rstudioapi"    "rversions" "rvest"
#> [310] "Ryacas"        "S7"        "sass"
#> [313] "scales"        "selectr"   "semlbci"
#> [316] "semmcci"       "sessioninfo" "sfd"
#> [319] "shape"         "shiny"     "simStateSpace"
#> [322] "slider"        "snow"      "snowfall"
#> [325] "sourcetools"   "SparseM"   "sparsevctrs"
#> [328] "SQUAREM"       "StanHeaders" "stringi"
#> [331] "stringr"       "styler"    "symSEM"
#> [334] "sys"           "systemfonts" "tailor"
#> [337] "tensorA"       "testthat"  "texreg"
#> [340] "textshaping"   "tibble"    "tidymodels"

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#> [343] "tidyr"           "tidyselect"      "tidyverse"
#> [346] "timechange"      "timeDate"        "tinytex"
#> [349] "tseries"         "TTR"             "tune"
#> [352] "tzdb"           "ucminf"          "unigd"
#> [355] "urca"           "urlchecker"      "usethis"
#> [358] "utf8"           "uuid"            "V8"
#> [361] "vctrs"          "viridisLite"     "vroom"
#> [364] "waldo"          "warp"            "whisker"
#> [367] "whoami"         "withr"           "workflows"
#> [370] "workflowsets"   "xfun"            "xml2"
#> [373] "xmlparsedata"   "xopen"           "xtable"
#> [376] "xts"            "yaml"            "yardstick"
#> [379] "zip"            "zoo"             "base"
#> [382] "boot"           "class"           "cluster"
#> [385] "codetools"      "compiler"        "datasets"
#> [388] "foreign"        "graphics"        "grDevices"
#> [391] "grid"           "KernSmooth"      "lattice"
#> [394] "MASS"           "Matrix"          "methods"
#> [397] "mgcv"           "nlme"            "nnet"
#> [400] "parallel"       "rpart"           "spatial"
#> [403] "splines"        "stats"           "stats4"
#> [406] "survival"       "tcltk"           "tools"
#> [409] "utils"

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References

R Core Team. (2025). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>