

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_1.9.4  xfun_0.55
#> [5] magrittr_2.0.4   glue_1.8.0        stringr_1.6.0    knitr_1.51
#> [9] timechange_0.3.0 generics_0.1.4    lifecycle_1.0.5  xml2_1.5.1
#> [13] cli_3.6.5.9000  bibtex_0.5.1      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_1.1.0        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] "cTMed"          "devtools"        "gert"
#> [4] "later"          "lifecycle"       "purrr"
#> [7] "rlang"          "rProject"        "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] "hdcrcde" "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"         "metaSEM"
#> [193] "metaVAR"         "mice"            "microbenchmark"
#> [196] "mime"            "miniUI"          "minqa"
#> [199] "mitml"           "mize"            "mlVAR"
#> [202] "mnormt"          "modeldata"       "modelenv"
#> [205] "modelr"          "MplusAutomation" "multicool"
#> [208] "mvtnorm"         "nloptr"          "numDeriv"
#> [211] "nycflights13"    "OpenMx"          "openssl"
#> [214] "ordinal"         "otel"            "pan"
#> [217] "pander"          "parallelly"      "parsnip"
#> [220] "patchwork"       "pbapply"         "pbivnorm"
#> [223] "pbkrtest"        "pcaPP"           "pdftools"
#> [226] "pillar"          "pkgbuild"        "pkgconfig"
#> [229] "pkgdown"         "pkgload"         "plogr"
#> [232] "plyr"            "png"             "posterior"
#> [235] "pracma"          "praise"          "prettyunits"
#> [238] "printr"          "processx"        "prodlm"
#> [241] "profvis"         "progress"        "progressr"
#> [244] "promises"        "proto"           "ps"
#> [247] "psych"           "purrr"           "qgraph"
#> [250] "qpdf"            "quadprog"        "quantmod"
#> [253] "quantreg"        "quarto"          "QuickJSR"
#> [256] "R.cache"         "R.methodsS3"     "R.oo"
#> [259] "R.utils"         "R2jags"          "R2WinBUGS"

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

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