

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
#>
#> 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"        "cffr"
#> [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"         "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"        "prodlim"
#> [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"              "semcci"
#> [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/>