

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_0.56
#> [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] "cTMed"           "abind"           "Amelia"
#> [4] "arm"              "arrow"            "ash"
#> [7] "AsioHeaders"     "askpass"          "assertthat"
#> [10] "backports"       "base64enc"        "betaDelta"
#> [13] "betaMC"          "betaNB"           "betaSandwich"
#> [16] "BH"               "bibtex"           "BiocManager"

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

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

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#> [181] "MatrixModels"      "matrixStats"      "mclust"
#> [184] "memoise"          "metaDyn"        "metaSEM"
#> [187] "metaVAR"          "mice"          "microbenchmark"
#> [190] "mime"             "miniUI"         "minqa"
#> [193] "mitml"            "mize"          "mlVAR"
#> [196] "mnormt"          "modeldata"     "modelenv"
#> [199] "modelr"           "MplusAutomation" "multicool"
#> [202] "mvtnorm"         "nloptr"         "numDeriv"
#> [205] "nycflights13"    "OpenMX"         "openssl"
#> [208] "ordinal"         "otel"          "pan"
#> [211] "pander"          "parallelly"    "parsnip"
#> [214] "patchwork"       "pbapply"        "pbivnorm"
#> [217] "pbkrtest"        "pcaPP"         "pdftools"
#> [220] "pillar"          "pkgbuild"      "pkgconfig"
#> [223] "pkgdown"         "pkgload"        "plogr"
#> [226] "plyr"            "png"           "posterior"
#> [229] "pracma"          "praise"        "prettyunits"
#> [232] "printr"          "processx"      "prodlim"
#> [235] "profvis"         "progress"      "progressr"
#> [238] "promises"        "proto"         "ps"
#> [241] "psych"            "purrr"         "qgraph"
#> [244] "qpdf"             "quadprog"      "quantmod"
#> [247] "quantreg"         "quarto"        "QuickJSR"
#> [250] "R.cache"          "R.methodsS3"   "R.oo"
#> [253] "R.utils"          "R2jags"        "R2WinBUGS"
#> [256] "R6"               "ragg"          "rainbow"
#> [259] "rappdirs"         "rbibutils"     "rcmdcheck"

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

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