

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_0.0.25

#>

#> 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_1.4.8       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] "betaDelta"          "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"                  "fitVARMxID"  "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"                    "kutils"               "labeling"
#> [160] "Lahman"                "languageserver"       "later"
#> [163] "latex2exp"              "lava"                 "lavaan"
#> [166] "lazyeval"              "lhs"                  "lifecycle"
#> [169] "lintr"                  "lisrelToR"             "listenv"
#> [172] "litedown"              "littler"              "lme4"
#> [175] "lmtest"                "locfit"               "longMI"
#> [178] "loo"                   "lubridate"            "magick"

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

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#> [262] "rbibutils"           "rcmdcheck"          "RColorBrewer"
#> [265] "Rcpp"                "RcppArmadillo"      "RcppEigen"
#> [268] "RcppGSL"             "RcppParallel"       "RcppTOML"
#> [271] "RCurl"               "Rdpack"            "readr"
#> [274] "readxl"              "recipes"           "RefManageR"
#> [277] "reformulas"          "rematch"           "rematch2"
#> [280] "remotes"             "reprex"            "reshape2"
#> [283] "reticulate"          "rex"               "rhdf5"
#> [286] "rhdf5filters"        "Rhdf5lib"          "rhub"
#> [289] "rjags"               "rlang"              "RMariaDB"
#> [292] "rmarkdown"            "rockchalk"         "roxygen2"
#> [295] "rpf"                 "RPostgres"         "rProject"
#> [298] "rprojroot"           "rsample"           "RSQLite"
#> [301] "rstan"                "rstantools"        "rstudioapi"
#> [304] "RUnit"                "rversions"         "rvest"
#> [307] "Ryacas"              "S7"                 "sass"
#> [310] "scales"               "selectr"            "sem"
#> [313] "semlbci"              "semmcci"           "semPlot"
#> [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"             "tune"
#> [349] "tzdb"                "ucminf"              "unigd"
#> [352] "urca"                "urlchecker"         "usethis"
#> [355] "utf8"                "uuid"                "V8"
#> [358] "vctrs"               "viridisLite"        "vroom"
#> [361] "waldo"               "warp"                "whisker"
#> [364] "whoami"               "withr"               "workflows"
#> [367] "workflowsets"        "xfun"                "XML"
#> [370] "xml2"                "xmlparsedata"       "xopen"
#> [373] "xtable"               "yaml"                "yardstick"
#> [376] "zip"                  "zoo"                 "base"
#> [379] "boot"                 "class"               "cluster"
#> [382] "codetools"            "compiler"            "datasets"
#> [385] "foreign"              "graphics"            "grDevices"
#> [388] "grid"                 "KernSmooth"          "lattice"
#> [391] "MASS"                 "Matrix"              "methods"
#> [394] "mgcv"                 "nlme"                "nnet"
#> [397] "parallel"              "rpart"               "spatial"
#> [400] "splines"              "stats"               "stats4"
#> [403] "survival"              "tcltk"               "tools"
#> [406] "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/>