

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
#> tzcode source: system (glibc)
#>
#> attached base packages:
#> [1] stats      graphics   grDevices  utils      datasets   methods    base
#>
#> other attached packages:
#> [1] rProject_0.0.22
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.5.0  R6_2.6.1        lubridate_1.9.4  xfun_0.54
#> [5] magrittr_2.0.4   glue_1.8.0       stringr_1.6.0    knitr_1.50
#> [9] timechange_0.3.0 generics_0.1.4   lifecycle_1.0.4   xml2_1.5.0
#> [13] cli_3.6.5.9000  bibtex_0.5.1    compiler_4.5.2   highr_0.11
#> [17] rprojroot_2.1.1  plyr_1.8.9     httr_1.4.7      tools_4.5.2
#> [21] evaluate_1.0.5   Rcpp_1.1.0      RefManageR_1.4.0  rlang_1.1.6
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#> [25] jsonlite_2.0.0   stringi_1.8.7
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Packages

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uname(installed.packages()[, 1])  
  
#> [1] "fitDTVARMxID"      "abind"          "Amelia"  
#> [4] "arm"              "arrow"           "ash"  
#> [7] "askpass"          "assertthat"     "backports"  
#> [10] "base64enc"        "betaDelta"       "betaMC"  
#> [13] "betaNB"          "betaSandwich"  "BH"  
#> [16] "bibtex"          "BiocManager"    "BiocVersion"  
#> [19] "bit"              "bit64"          "bitops"  
#> [22] "blob"             "bootStateSpace" "brew"  
#> [25] "brio"             "broom"          "bslib"  
#> [28] "cachem"          "callr"          "car"  
#> [31] "caracas"          "carData"         "cellranger"  
#> [34] "cffr"             "checkmate"     "cli"  
#> [37] "clipr"            "clock"          "clusterGeneration"  
#> [40] "coda"              "cOde"           "collections"  
#> [43] "colorspace"       "commonmark"    "conflicted"  
#> [46] "corpcor"          "covr"           "cowplot"  
#> [49] "cpp11"             "crayon"         "credentials"  
#> [52] "crosstalk"        "cTMed"          "ctsem"  
#> [55] "curl"              "data.table"    "DBI"  
#> [58] "dbplyr"            "Deriv"          "desc"  
#> [61] "deSolve"           "devtools"       "diagram"  
#> [64] "dials"             "DiceDesign"    "diffobj"  
#> [67] "digest"            "distributional" "distro"  
#> [70] "doBy"              "docopt"         "downlit"  
#> [73] "dplyr"              "DT"             "dtplyr"  
#> [76] "duckdb"            "dynr"           "dynUtils"  
#> [79] "ellipse"            "ellipsis"       "evaluate"  
#> [82] "expm"              "fansi"          "farver"  
#> [85] "fastDummies"       "fastmap"        "fclust"  
#> [88] "fda"                "fdrtool"        "fds"  
#> [91] "fitDTVARMxID"      "FNN"            "fontawesome"  
#> [94] "forcats"           "foreach"        "Formula"  
#> [97] "fs"                 "fst"            "fstcore"  
#> [100] "furrr"            "future"         "future.apply"  
#> [103] "gargle"           "generics"      "gert"  
#> [106] "ggplot2"          "ggrepel"        "gh"  
#> [109] "gitcreds"         "glasso"         "glmnet"
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#> [112] "globals"           "glue"          "googledrive"
#> [115] "googlesheets4"    "gower"         "GPArotation"
#> [118] "GPfit"            "graphicalVAR" "gridExtra"
#> [121] "gsubfn"            "gtable"        "gtools"
#> [124] "hardhat"          "haven"        "hdrcde"
#> [127] "here"              "highr"        "Hmisc"
#> [130] "hms"               "htmlTable"    "htmltools"
#> [133] "htmlwidgets"       "httpuv"       "httr"
#> [136] "httr2"             "ids"          "ifaTools"
#> [139] "igraph"            "infer"        "ini"
#> [142] "inline"             "ipred"        "isoband"
#> [145] "iterators"         "jomo"         "jpeg"
#> [148] "jquerylib"         "jsonlite"    "jsonvalidate"
#> [151] "kernlab"           "knitr"        "ks"
#> [154] "labeling"          "Lahman"      "languageserver"
#> [157] "later"              "latex2exp"   "lava"
#> [160] "lavaan"            "lazyeval"    "lhs"
#> [163] "lifecycle"         "lintr"        "listenv"
#> [166] "litedown"          "littler"     "lme4"
#> [169] "locfit"            "longMI"      "loo"
#> [172] "lubridate"         "magick"       "magrittr"
#> [175] "markdown"          "MatrixModels" "matrixStats"
#> [178] "mclust"             "memoise"     "metaSEM"
#> [181] "metaVAR"            "mice"        "microbenchmark"
#> [184] "mime"               "miniUI"      "minqa"
#> [187] "mitml"              "mize"        "mlVAR"
#> [190] "mnormt"            "modeldata"   "modelenv"
#> [193] "modelr"             "MplusAutomation" "multicool"
#> [196] "mvtnorm"           "nloptr"       "numDeriv"
#> [199] "nycflights13"      "OpenMx"       "openssl"
#> [202] "ordinal"            "otel"        "pan"
#> [205] "pander"             "parallelly"  "parsnip"
#> [208] "patchwork"          "pbapply"     "pbivnorm"
#> [211] "pbkrtest"           "pcaPP"       "pdftools"
#> [214] "pillar"             "pkgbuild"   "pkgconfig"
#> [217] "pkgdown"            "pkgload"     "plogr"
#> [220] "plyr"                "png"         "posterior"
#> [223] "pracma"             "praise"      "prettyunits"
#> [226] "printr"              "processx"   "prodlim"
#> [229] "profvis"            "progress"   "progressr"
#> [232] "promises"           "proto"       "ps"
#> [235] "psych"               "purrr"      "qgraph"
#> [238] "qpdf"                "quadprog"   "quantreg"
#> [241] "quarto"              "QuickJSR"   "R.cache"
#> [244] "R.methodsS3"         "R.oo"        "R.utils"

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#> [247] "R2jags"           "R2WinBUGS"        "R6"
#> [250] "ragg"              "rainbow"          "rappdirs"
#> [253] "rbibutils"         "rcmdcheck"        "RColorBrewer"
#> [256] "Rcpp"               "RcppArmadillo"    "RcppEigen"
#> [259] "RcppGSL"            "RcppParallel"     "RcppTOML"
#> [262] "RCurl"              "Rdpack"           "readr"
#> [265] "readxl"             "recipes"          "RefManageR"
#> [268] "reformulas"         "rematch"          "rematch2"
#> [271] "remotes"            "reprex"           "reshape2"
#> [274] "reticulate"         "rex"               "rhdf5"
#> [277] "rhdf5filters"       "Rhdf5lib"         "rhub"
#> [280] "rjags"              "rlang"             "RMariaDB"
#> [283] "rmarkdown"           "roxygen2"         "rpf"
#> [286] "RPostgres"          "rProject"         "rprojroot"
#> [289] "rsample"             "RSQLite"          "rstan"
#> [292] "rstantools"         "rstudioapi"      "rversions"
#> [295] "rvest"               "Ryacas"           "S7"
#> [298] "sass"                "scales"           "selectr"
#> [301] "semlbci"             "semmcci"          "sessioninfo"
#> [304] "sfd"                 "shape"             "shiny"
#> [307] "simStateSpace"       "slider"            "snow"
#> [310] "snowfall"            "sourcetools"      "SparseM"
#> [313] "sparsevctrs"         "SQUAREM"          "StanHeaders"
#> [316] "stringi"             "stringr"          "styler"
#> [319] "symSEM"              "sys"               "systemfonts"
#> [322] "tailor"              "tensorA"          "testthat"
#> [325] "texreg"              "textshaping"      "tibble"
#> [328] "tidymodels"          "tidyr"             "tidyselect"
#> [331] "tidyverse"            "timechange"       "timeDate"
#> [334] "tinytex"              "tune"              "tzdb"
#> [337] "ucminf"              "urlchecker"       "usethis"
#> [340] "utf8"                "uuid"              "V8"
#> [343] "vctrs"               "viridisLite"      "vroom"
#> [346] "waldo"               "warp"              "whisker"
#> [349] "whoami"              "withr"             "workflows"
#> [352] "workflowsets"        "xfun"              "xml2"
#> [355] "xmlparsedata"        "xopen"             "xtable"
#> [358] "yaml"                 "yardstick"        "zip"
#> [361] "base"                 "boot"              "class"
#> [364] "cluster"              "codetools"         "compiler"
#> [367] "datasets"             "foreign"          "graphics"
#> [370] "grDevices"            "grid"              "KernSmooth"
#> [373] "lattice"              "MASS"              "Matrix"
#> [376] "methods"              "mgcv"              "nlme"
#> [379] "nnet"                 "parallel"         "rpart"

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#> [382] "spatial"           "splines"          "stats"  
#> [385] "stats4"            "survival"         "tcltk"  
#> [388] "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/>