

# Session Info

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## Session

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sessionInfo()

#> R version 4.4.1 (2024-06-14)
#> Platform: x86_64-pc-linux-gnu
#> Running under: Ubuntu 22.04.4 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-p0.3.20.so; LAPACK version 3.10.3
#>
#> 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_0.0.13
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.5.0  R6_2.5.1          lubridate_1.9.3  xfun_0.45
#> [5] magrittr_2.0.3   glue_1.7.0        stringr_1.5.1    knitr_1.47
#> [9] timechange_0.3.0 generics_0.1.3    lifecycle_1.0.4  xml2_1.3.6
#> [13] cli_3.6.3.9000  bibtex_0.5.1      compiler_4.4.1   highr_0.11
#> [17] rprojroot_2.0.4  plyr_1.8.9        httr_1.4.7       tools_4.4.1
#> [21] evaluate_0.24.0 Rcpp_1.0.12       RefManageR_1.4.0 rlang_1.1.4
#> [25] jsonlite_1.8.8   stringi_1.8.4

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## Packages

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unname(installed.packages()[, 1])

#> [1] "fitCTVARMx"      "fitDTVARMx"      "metaVAR"         "pkgdown"
#> [5] "pkgload"         "ps"              "RcppParallel"    "roxygen2"
#> [9] "rProject"        "tinytex"         "yaml"            "abind"
#> [13] "arrow"           "ash"             "AsioHeaders"     "askpass"
#> [17] "assertthat"      "backports"       "base64enc"       "betaDelta"
#> [21] "betaMC"          "betaNB"          "betaSandwich"    "BH"

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#> [25] "bibtex"      "BiocManager" "bit"      "bit64"
#> [29] "bitops"      "blob"        "brew"     "brio"
#> [33] "broom"       "bslib"       "cachem"   "callr"
#> [37] "car"         "caracas"     "carData"  "cellranger"
#> [41] "cfr"         "checkmate"   "cli"      "clipr"
#> [45] "clock"       "coda"        "c0de"     "collections"
#> [49] "colorspace"  "commonmark"  "conflicted" "corpcor"
#> [53] "covr"        "cowplot"     "cpp11"    "crayon"
#> [57] "credentials" "crosstalk"   "cTMed"    "ctsem"
#> [61] "curl"        "cyclocomp"   "data.table" "DBI"
#> [65] "dbplyr"      "Deriv"       "desc"     "deSolve"
#> [69] "devtools"    "diagram"     "dials"    "DiceDesign"
#> [73] "diffobj"     "digest"      "distributional" "distro"
#> [77] "doBy"        "docopt"      "doFuture" "downlit"
#> [81] "dplyr"       "DT"          "dtplyr"   "duckdb"
#> [85] "dynr"        "dynUtils"    "ellipse"  "ellipsis"
#> [89] "evaluate"    "expm"        "fans"     "farver"
#> [93] "fastDummies" "fastmap"     "fclust"   "fda"
#> [97] "fdrtool"     "fds"         "FNN"      "fontawesome"
#> [101] "forcats"     "foreach"     "Formula"  "fs"
#> [105] "fst"         "fstcore"     "frrr"     "future"
#> [109] "future.apply" "gargle"      "generics" "gert"
#> [113] "ggplot2"     "ggrepel"     "gh"       "gitcreds"
#> [117] "glasso"      "glmnet"      "globals"  "glue"
#> [121] "googledrive" "googlesheets4" "gower"    "GPfit"
#> [125] "gridExtra"   "gsubfn"      "gtable"   "gtools"
#> [129] "hardhat"     "haven"       "hrcde"    "here"

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#> [133] "highr"          "Hmisc"          "hms"            "htmlTable"
#> [137] "htmltools"      "htmlwidgets"    "httpgd"         "httpuv"
#> [141] "httr"           "httr2"          "ids"            "ifaTools"
#> [145] "igraph"         "infer"          "ini"            "inline"
#> [149] "ipred"          "isoband"        "iterators"      "jomo"
#> [153] "jpeg"           "jquerylib"      "jsonlite"       "jsonvalidate"
#> [157] "kernlab"        "knitr"          "ks"             "labeling"
#> [161] "Lahman"         "languageserver" "later"          "latex2exp"
#> [165] "lava"           "lavaan"         "lazyeval"       "lhs"
#> [169] "lifecycle"      "lintr"          "listenv"        "littler"
#> [173] "lme4"           "locfit"         "longMI"         "loo"
#> [177] "lubridate"      "magick"         "magrittr"       "markdown"
#> [181] "MatrixModels"   "matrixStats"    "mclust"         "memoise"
#> [185] "metaSEM"        "mice"           "microbenchmark" "mime"
#> [189] "miniUI"         "minqa"          "mitml"          "mize"
#> [193] "mnormt"         "modeldata"      "modelenv"       "modelr"
#> [197] "MplusAutomation" "multicool"      "munsell"        "mvtnorm"
#> [201] "nloptr"         "numDeriv"       "nycflights13"   "OpenMx"
#> [205] "openssl"        "ordinal"        "pan"            "pander"
#> [209] "parallelly"     "parsnip"        "patchwork"      "pbapply"
#> [213] "pbivnorm"       "pbkrtest"       "pcaPP"          "pdftools"
#> [217] "pillar"         "pkgbuild"       "pkgconfig"      "pkgdown"
#> [221] "pkgload"        "plogr"          "plyr"           "png"
#> [225] "posterior"      "pracma"         "praise"         "prettyunits"
#> [229] "printr"         "processx"       "prodlim"        "profvis"
#> [233] "progress"       "progressr"      "promises"       "proto"
#> [237] "ps"             "psych"          "purrr"          "qgraph"

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#> [241] "qpdf"           "quadprog"      "quantreg"      "quarto"
#> [245] "QuickJSR"      "R.cache"       "R.methodsS3"   "R.oo"
#> [249] "R.utils"       "R6"           "ragg"          "rainbow"
#> [253] "rappdirs"      "rbibutils"     "rcmdcheck"     "RColorBrewer"
#> [257] "Rcpp"          "RcppArmadillo" "RcppEigen"     "RcppGSL"
#> [261] "RcppParallel"  "RcppTOML"      "RCurl"         "Rdpack"
#> [265] "readr"         "readxl"        "recipes"       "RefManager"
#> [269] "rematch"       "rematch2"      "remotes"       "reprex"
#> [273] "reshape2"      "reticulate"    "rex"           "rhub"
#> [277] "rlang"         "RMariaDB"      "rmarkdown"     "roxygen2"
#> [281] "rpf"           "RPostgres"     "rProject"      "rprojroot"
#> [285] "rsample"       "RSQLite"       "rstan"         "rstantools"
#> [289] "rstudioapi"    "rversions"     "rvest"         "Ryacas"
#> [293] "sass"          "scales"        "selectr"       "semlbci"
#> [297] "semmcci"       "sessioninfo"   "shape"         "shiny"
#> [301] "simStateSpace" "slider"        "snow"          "snowfall"
#> [305] "sourcetools"   "SparseM"       "SQUAREM"       "StanHeaders"
#> [309] "statmod"       "stringi"       "stringr"       "styler"
#> [313] "symSEM"        "sys"           "systemfonts"   "tensorA"
#> [317] "testthat"      "texreg"        "textshaping"   "tibble"
#> [321] "tidymodels"    "tidyr"         "tidyselect"     "tidyverse"
#> [325] "timechange"    "timeDate"      "tinytex"       "tune"
#> [329] "tzdb"          "ucminf"        "unigd"         "urlchecker"
#> [333] "usethis"       "utf8"          "uuid"          "V8"
#> [337] "vctrs"         "viridis"       "viridisLite"   "vroom"
#> [341] "waldo"         "warp"          "whisker"       "whoami"
#> [345] "withr"         "workflows"     "workflowsets"  "xfun"

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#> [349] "xml2"          "xmlparsedata"  "xopen"         "xtable"
#> [353] "yaml"          "yardstick"     "zip"           "base"
#> [357] "boot"          "class"         "cluster"       "codetools"
#> [361] "compiler"      "datasets"      "foreign"       "graphics"
#> [365] "grDevices"     "grid"          "KernSmooth"    "lattice"
#> [369] "MASS"          "Matrix"        "methods"       "mgcv"
#> [373] "nlme"          "nnet"          "parallel"      "rpart"
#> [377] "spatial"       "splines"       "stats"         "stats4"
#> [381] "survival"      "tcltk"         "tools"         "utils"

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## References

R Core Team. (2023). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>