

# 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_1.48
#> [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"      "knitr"           "metaVAR"
#> [5] "pkgdown"         "pkgload"         "ps"              "RcppParallel"
#> [9] "roxygen2"        "rProject"        "tinytex"         "yaml"
#> [13] "abind"           "arrow"           "ash"             "AsioHeaders"
#> [17] "askpass"         "assertthat"      "backports"       "base64enc"
#> [21] "betaDelta"       "betaMC"          "betaNB"          "betaSandwich"

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

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

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

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#> [349] "xfun"          "xml2"          "xmlparsedata"  "xopen"
#> [353] "xtable"        "yaml"          "yardstick"     "zip"
#> [357] "base"          "boot"          "class"         "cluster"
#> [361] "codetools"     "compiler"      "datasets"      "foreign"
#> [365] "graphics"      "grDevices"     "grid"          "KernSmooth"
#> [369] "lattice"       "MASS"          "Matrix"        "methods"
#> [373] "mgcv"          "nlme"          "nnet"          "parallel"
#> [377] "rpart"         "spatial"       "splines"       "stats"
#> [381] "stats4"        "survival"      "tcltk"         "tools"
#> [385] "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/>