

# 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"      "metaVAR"         "abind"           "arrow"
#> [5] "ash"             "AsioHeaders"     "askpass"         "assertthat"
#> [9] "backports"       "base64enc"       "betaDelta"       "betaMC"
#> [13] "betaNB"          "betaSandwich"    "BH"              "bibtex"
#> [17] "BiocManager"     "bit"             "bit64"           "bitops"
#> [21] "blob"            "brew"            "brio"            "broom"

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

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

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#> [241] "R.methodsS3"      "R.oo"             "R.utils"          "R6"
#> [245] "ragg"             "rainbow"          "rappdirs"         "rbibutils"
#> [249] "rcmdcheck"        "RColorBrewer"     "Rcpp"             "RcppArmadillo"
#> [253] "RcppEigen"        "RcppGSL"          "RcppParallel"     "RcppTOML"
#> [257] "RCurl"            "Rdpack"           "readr"             "readxl"
#> [261] "recipes"          "RefManageR"       "rematch"           "rematch2"
#> [265] "remotes"          "reprex"           "reshape2"          "reticulate"
#> [269] "rex"              "rhub"             "rlang"             "RMariaDB"
#> [273] "rmarkdown"        "roxygen2"         "rpf"               "RPostgres"
#> [277] "rProject"         "rprojroot"        "rsample"           "RSQLite"
#> [281] "rstan"            "rstantools"       "rstudioapi"        "rversions"
#> [285] "rvest"            "Ryacas"           "sass"              "scales"
#> [289] "selectr"          "semlbci"          "semmccci"          "sessioninfo"
#> [293] "shape"            "shiny"            "simStateSpace"     "slider"
#> [297] "snow"            "snowfall"         "sourcetools"       "SparseM"
#> [301] "SQUAREM"          "StanHeaders"      "statmod"           "stringi"
#> [305] "stringr"          "styler"           "symSEM"            "sys"
#> [309] "systemfonts"      "tensorA"          "testthat"          "texreg"
#> [313] "textshaping"      "tibble"           "tidymodels"        "tidyr"
#> [317] "tidyselect"       "tidyverse"        "timechange"         "timeDate"
#> [321] "tinytex"          "tune"             "tzdb"              "ucminf"
#> [325] "unigd"            "urlchecker"       "usethis"           "utf8"
#> [329] "uuid"            "V8"               "vctrs"             "viridis"
#> [333] "viridisLite"      "vroom"            "waldo"             "warp"
#> [337] "whisker"          "whoami"           "withr"             "workflows"
#> [341] "workflowsets"     "xfun"             "xml2"              "xmlparsedata"
#> [345] "xopen"            "xtable"           "yaml"              "yardstick"

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