

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

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#> [25] "cachem"      "callr"      "car"        "caracas"
#> [29] "carData"     "cellranger" "cffr"       "checkmate"
#> [33] "cli"         "clipr"      "clock"      "coda"
#> [37] "c0de"        "collections" "colorspace" "commonmark"
#> [41] "conflicted"  "corpcor"    "covr"       "cowplot"
#> [45] "cpp11"       "crayon"     "credentials" "crosstalk"
#> [49] "cTMed"       "ctsem"      "curl"       "cyclocomp"
#> [53] "data.table"  "DBI"        "dbplyr"     "Deriv"
#> [57] "desc"        "deSolve"    "devtools"   "diagram"
#> [61] "dials"       "DiceDesign" "diffobj"    "digest"
#> [65] "distributional" "distro"    "doBy"       "docopt"
#> [69] "doFuture"    "downlit"    "dplyr"      "DT"
#> [73] "dtplyr"      "duckdb"     "dynr"       "dynUtils"
#> [77] "ellipse"     "ellipsis"   "evaluate"   "expm"
#> [81] "fansi"       "farver"     "fastDummies" "fastmap"
#> [85] "fclust"      "fda"        "fdrtool"    "fds"
#> [89] "fitCTVARMx"  "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"      "hdrcd"
#> [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/>