

# 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_0.0.14
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.5.0 R6_2.5.1      lubridate_1.9.3 xfun_0.46
#> [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_1.0.13   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] "bslib"      "cfr"        "devtools"   "gert"
#> [5] "httr2"     "metaVAR"    "quarto"     "Rcpp"
#> [9] "rProject"   "shiny"      "tinytex"    "usethis"
#> [13] "withr"     "xfun"       "yaml"       "abind"
#> [17] "arrow"     "ash"        "AsioHeaders" "askpass"
#> [21] "assertthat" "backports"  "base64enc"  "betaDelta"

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

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

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

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#> [349] "waldo"          "warp"           "whisker"        "whoami"
#> [353] "withr"          "workflows"      "workflowsets"   "xfun"
#> [357] "xml2"           "xmlparsedata"   "xopen"          "xtable"
#> [361] "yaml"           "yardstick"      "zip"            "base"
#> [365] "boot"           "class"          "cluster"        "codetools"
#> [369] "compiler"       "datasets"       "foreign"        "graphics"
#> [373] "grDevices"      "grid"           "KernSmooth"     "lattice"
#> [377] "MASS"           "Matrix"         "methods"        "mgcv"
#> [381] "nlme"           "nnet"           "parallel"       "rpart"
#> [385] "spatial"        "splines"        "stats"          "stats4"
#> [389] "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/>