

# 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] "betaNB"      "pkgdown"      "pkgload"      "ps"
#> [5] "roxygen2"    "rProject"     "tinytex"      "yaml"
#> [9] "abind"       "arrow"        "ash"          "AsioHeaders"
#> [13] "askpass"     "assertthat"   "backports"     "base64enc"
#> [17] "betaDelta"   "betaMC"       "betaNB"        "betaSandwich"
#> [21] "BH"          "bibtex"       "BiocManager"  "bit"

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

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

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

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

R Core Team. (2024). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>