

# 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_3.6.2.9000  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"      "rProject"      "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"      "cfr"
#> [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"            "FNN"             "fontawesome"     "forcats"
#> [93] "foreach"        "Formula"         "fs"              "fst"
#> [97] "fstcore"        "furry"           "future"          "future.apply"
#> [101] "gargle"         "generics"        "gert"            "ggplot2"
#> [105] "ggrepel"        "gh"              "gitcreds"        "glasso"
#> [109] "glmnet"         "globals"         "glue"            "googledrive"
#> [113] "googlesheets4"  "gower"          "GPfit"           "gridExtra"
#> [117] "gsubfn"         "gtable"          "gtools"          "hardhat"
#> [121] "haven"          "hdcrcde"         "here"            "highr"
#> [125] "Hmisc"          "hms"             "htmlTable"       "htmltools"
#> [129] "htmlwidgets"    "httpgd"          "httpuv"          "httr"

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#> [133]	"httr2"	"ids"	"ifaTools"	"igraph"
#> [137]	"infer"	"ini"	"inline"	"ipred"
#> [141]	"isoband"	"iterators"	"jomo"	"jpeg"
#> [145]	"jquerylib"	"jsonlite"	"jsonvalidate"	"kernlab"
#> [149]	"knitr"	"ks"	"labeling"	"Lahman"
#> [153]	"languageserver"	"later"	"latex2exp"	"lava"
#> [157]	"lavaan"	"lazyeval"	"lhs"	"lifecycle"
#> [161]	"lintr"	"listenv"	"littler"	"lme4"
#> [165]	"locfit"	"longMI"	"loo"	"lubridate"
#> [169]	"magick"	"magrittr"	"markdown"	"MatrixModels"
#> [173]	"matrixStats"	"mclust"	"memoise"	"metaSEM"
#> [177]	"mice"	"microbenchmark"	"mime"	"miniUI"
#> [181]	"minqa"	"mitml"	"mize"	"mnormt"
#> [185]	"modeldata"	"modelenv"	"modelr"	"MplusAutomation"
#> [189]	"multicool"	"munsell"	"mvtnorm"	"nloptr"
#> [193]	"numDeriv"	"nycflights13"	"OpenMx"	"openssl"
#> [197]	"ordinal"	"pan"	"pander"	"parallelly"
#> [201]	"parsnip"	"patchwork"	"pbapply"	"pbivnorm"
#> [205]	"pbkrtest"	"pcaPP"	"pdftools"	"pillar"
#> [209]	"pkgbuild"	"pkgconfig"	"pkgdown"	"pkgload"
#> [213]	"plogr"	"plyr"	"png"	"posterior"
#> [217]	"pracma"	"praise"	"prettyunits"	"printr"
#> [221]	"processx"	"prodlim"	"profvis"	"progress"
#> [225]	"progressr"	"promises"	"proto"	"ps"
#> [229]	"psych"	"purrr"	"qgraph"	"qpdf"
#> [233]	"quadprog"	"quantreg"	"quarto"	"QuickJSR"
#> [237]	"R.cache"	"R.methodsS3"	"R.oo"	"R.utils"

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

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

## 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/>