

# 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"        "cli"        "devtools"
#> [5] "gert"       "httr2"      "metaVAR"    "quarto"
#> [9] "Rcpp"       "rProject"   "shiny"      "tinytex"
#> [13] "usethis"    "withr"      "xfun"       "yaml"
#> [17] "abind"      "arrow"      "ash"        "AsioHeaders"
#> [21] "askpass"    "assertthat" "backports"  "base64enc"

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

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

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

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#> [349] "vroom"          "waldo"          "warp"           "whisker"
#> [353] "whoami"         "withr"          "workflows"      "workflowsets"
#> [357] "xfun"           "xml2"           "xmlparsedata"   "xopen"
#> [361] "xtable"         "yaml"           "yardstick"      "zip"
#> [365] "base"           "boot"           "class"          "cluster"
#> [369] "codetools"      "compiler"       "datasets"       "foreign"
#> [373] "graphics"       "grDevices"      "grid"           "KernSmooth"
#> [377] "lattice"        "MASS"           "Matrix"         "methods"
#> [381] "mgcv"           "nlme"           "nnet"           "parallel"
#> [385] "rpart"          "spatial"        "splines"        "stats"
#> [389] "stats4"         "survival"       "tcltk"          "tools"
#> [393] "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/>