

Session Info

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Session

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sessionInfo()
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```
#> R version 4.4.2 (2024-10-31)
#> Platform: x86_64-pc-linux-gnu
#> Running under: Ubuntu 24.04.1 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-p-r0.3.26.so; LAPACK version 3.12.0
#>
#> 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
#> tzcode source: system (glibc)
#>
#> attached base packages:
#> [1] stats      graphics  grDevices  utils      datasets  methods   base
#>
#> other attached packages:
#> [1] rProject_0.0.17
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.5.1         lubridate_1.9.4  xfun_0.50
#>  [5] magrittr_2.0.3   glue_1.8.0       stringr_1.5.1    knitr_1.49
#>  [9] timechange_0.3.0 generics_0.1.3    lifecycle_1.0.4  xml2_1.3.6
#> [13] cli_3.6.3.9002  bibtex_0.5.1     compiler_4.4.2   highr_0.11
#> [17] rprojroot_2.0.4  plyr_1.8.9       httr_1.4.7       tools_4.4.2
#> [21] evaluate_1.0.3   Rcpp_1.0.14      RefManageR_1.4.0 rlang_1.1.4
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#> [25] jsonlite_1.8.9   stringi_1.8.4
```

Packages

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unnname(installed.packages()[, 1])
```

```
#> [1] "bootStateSpace" "abind" "Amelia"
#> [4] "arm" "arrow" "ash"
#> [7] "AsioHeaders" "askpass" "assertthat"
#> [10] "backports" "base64enc" "betaDelta"
#> [13] "betaMC" "betaNB" "betaSandwich"
#> [16] "BH" "bibtex" "BiocManager"
#> [19] "bit" "bit64" "bitops"
#> [22] "blob" "brew" "brio"
#> [25] "broom" "bslib" "cachem"
#> [28] "callr" "car" "caracas"
#> [31] "carData" "cellranger" "cfr"
#> [34] "checkmate" "cli" "clipr"
#> [37] "clock" "clusterGeneration" "coda"
#> [40] "c0de" "collections" "colorspace"
#> [43] "commonmark" "conflicted" "corpcor"
#> [46] "covr" "cowplot" "cpp11"
#> [49] "crayon" "credentials" "crosstalk"
#> [52] "cTMed" "ctsem" "curl"
#> [55] "cyclocomp" "data.table" "DBI"
#> [58] "dbplyr" "Deriv" "desc"
#> [61] "deSolve" "devtools" "diagram"
#> [64] "dials" "DiceDesign" "diffobj"
#> [67] "digest" "distributional" "distro"
#> [70] "doBy" "docopt" "doFuture"
#> [73] "downlit" "dplyr" "DT"
#> [76] "dtplyr" "dynr" "dynUtils"
#> [79] "ellipse" "ellipsis" "evaluate"
#> [82] "expm" "fans" "farver"
#> [85] "fastDummies" "fastmap" "fclust"
#> [88] "fda" "fdrtool" "fds"
#> [91] "fitCTVARMx" "fitDTVARMx" "FNN"
#> [94] "fontawesome" "forcats" "foreach"
#> [97] "Formula" "fs" "fst"
#> [100] "fstcore" "furrr" "future"
#> [103] "future.apply" "gargle" "generics"
#> [106] "gert" "ggplot2" "ggrepel"
#> [109] "gh" "gitcreds" "glasso"
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#> [112] "glmnet" "globals" "glue"
#> [115] "googledrive" "googlesheets4" "gower"
#> [118] "GPArotation" "GPfit" "graphicalVAR"
#> [121] "gridExtra" "gsubfn" "gtable"
#> [124] "gtools" "hardhat" "haven"
#> [127] "hdrcde" "here" "highr"
#> [130] "Hmisc" "hms" "htmlTable"
#> [133] "htmltools" "htmlwidgets" "httpgd"
#> [136] "httpuv" "httr" "httr2"
#> [139] "ids" "ifaTools" "igraph"
#> [142] "infer" "ini" "inline"
#> [145] "ipred" "isoband" "iterators"
#> [148] "jomo" "jpeg" "jquerylib"
#> [151] "jsonlite" "jsonvalidate" "kernlab"
#> [154] "knitr" "ks" "labeling"
#> [157] "Lahman" "languageserver" "later"
#> [160] "latex2exp" "lava" "lavaan"
#> [163] "lazyeval" "lhs" "lifecycle"
#> [166] "lintr" "listenv" "littler"
#> [169] "lme4" "locfit" "longMI"
#> [172] "loo" "lubridate" "magick"
#> [175] "magrittr" "markdown" "MatrixModels"
#> [178] "matrixStats" "mclust" "memoise"
#> [181] "metaSEM" "metaVAR" "mice"
#> [184] "microbenchmark" "mime" "miniUI"
#> [187] "minqa" "mitml" "mize"
#> [190] "mlVAR" "mnormt" "modeldata"
#> [193] "modelenv" "modelr" "MplusAutomation"
#> [196] "multicool" "munsell" "mvtnorm"
#> [199] "nloptr" "numDeriv" "nycflights13"
#> [202] "OpenMx" "openssl" "ordinal"
#> [205] "pan" "pander" "parallelly"
#> [208] "parsnip" "patchwork" "pbapply"
#> [211] "pbivnorm" "pbkrtest" "pcaPP"
#> [214] "pdftools" "pillar" "pkgbuild"
#> [217] "pkgconfig" "pkgdown" "pkgload"
#> [220] "plogr" "plyr" "png"
#> [223] "posterior" "pracma" "praise"
#> [226] "prettyunits" "printr" "processx"
#> [229] "prodlim" "profvis" "progress"
#> [232] "progressr" "promises" "proto"
#> [235] "ps" "psych" "purrr"
#> [238] "qgraph" "qpdf" "quadprog"
#> [241] "quantreg" "quarto" "QuickJSR"
#> [244] "R.cache" "R.methodsS3" "R.oo"

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| | | | |
|----------|-----------------|-----------------|----------------|
| #> [247] | "R.utils" | "R6" | "ragg" |
| #> [250] | "rainbow" | "rappdirs" | "rbibutils" |
| #> [253] | "rcmdcheck" | "RColorBrewer" | "Rcpp" |
| #> [256] | "RcppArmadillo" | "RcppEigen" | "RcppGSL" |
| #> [259] | "RcppParallel" | "RcppTOML" | "RCurl" |
| #> [262] | "Rdpack" | "readr" | "readxl" |
| #> [265] | "recipes" | "RefManageR" | "reformulas" |
| #> [268] | "rematch" | "rematch2" | "remotes" |
| #> [271] | "reprex" | "reshape2" | "reticulate" |
| #> [274] | "rex" | "rhub" | "rjags" |
| #> [277] | "rlang" | "RMariaDB" | "rmarkdown" |
| #> [280] | "roxygen2" | "rpf" | "RPostgres" |
| #> [283] | "rProject" | "rprojroot" | "rsample" |
| #> [286] | "RSQLite" | "rstan" | "rstantools" |
| #> [289] | "rstudioapi" | "rversions" | "rvest" |
| #> [292] | "Ryacas" | "sass" | "scales" |
| #> [295] | "selectr" | "semlbci" | "semmccci" |
| #> [298] | "sessioninfo" | "sfd" | "shape" |
| #> [301] | "shiny" | "simStateSpace" | "slider" |
| #> [304] | "snow" | "snowfall" | "sourcetools" |
| #> [307] | "SparseM" | "SQUAREM" | "StanHeaders" |
| #> [310] | "statmod" | "stringi" | "stringr" |
| #> [313] | "styler" | "symSEM" | "sys" |
| #> [316] | "systemfonts" | "tensorA" | "testthat" |
| #> [319] | "texreg" | "textshaping" | "tibble" |
| #> [322] | "tidymodels" | "tidyr" | "tidyselect" |
| #> [325] | "tidyverse" | "timechange" | "timeDate" |
| #> [328] | "tinytex" | "tune" | "tzdb" |
| #> [331] | "ucminf" | "unigd" | "urlchecker" |
| #> [334] | "usethis" | "utf8" | "uuid" |
| #> [337] | "V8" | "vctrs" | "viridis" |
| #> [340] | "viridisLite" | "vroom" | "waldo" |
| #> [343] | "warp" | "whisker" | "whoami" |
| #> [346] | "withr" | "workflows" | "workflowsets" |
| #> [349] | "xfun" | "xml2" | "xmlparsedata" |
| #> [352] | "xopen" | "xtable" | "yaml" |
| #> [355] | "yardstick" | "zip" | "base" |
| #> [358] | "boot" | "class" | "cluster" |
| #> [361] | "codetools" | "compiler" | "datasets" |
| #> [364] | "foreign" | "graphics" | "grDevices" |
| #> [367] | "grid" | "KernSmooth" | "lattice" |
| #> [370] | "MASS" | "Matrix" | "methods" |
| #> [373] | "mgcv" | "nlme" | "nnet" |
| #> [376] | "parallel" | "rpart" | "spatial" |
| #> [379] | "splines" | "stats" | "stats4" |

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#> [382] "survival"          "tcltk"             "tools"
#> [385] "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/>