

Session Info

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Session

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sessionInfo()
```

```
#> R version 4.5.1 (2025-06-13)
#> Platform: x86_64-pc-linux-gnu
#> Running under: Ubuntu 24.04.3 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_0.0.21
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.6.1         lubridate_1.9.4  xfun_0.53
#>  [5] magrittr_2.0.4   glue_1.8.0       stringr_1.5.2    knitr_1.50
#>  [9] timechange_0.3.0 generics_0.1.4    lifecycle_1.0.4  xml2_1.4.0
#> [13] cli_3.6.5.9000  bibtex_0.5.1     compiler_4.5.1   highr_0.11
#> [17] rprojroot_2.1.1  plyr_1.8.9       httr_1.4.7       tools_4.5.1
#> [21] evaluate_1.0.5   Rcpp_1.1.0       RefManageR_1.4.0 rlang_1.1.6
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#> [25] jsonlite_2.0.0   stringi_1.8.7
```

Packages

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

```
#> [1] "fitDTVARmXID"      "simStateSpace"    "abind"
#> [4] "Amelia"            "arm"               "arrow"
#> [7] "ash"               "askpass"           "assertthat"
#> [10] "backports"         "base64enc"         "betaDelta"
#> [13] "betaMC"            "betaNB"            "betaSandwich"
#> [16] "BH"                "bibtex"            "BiocManager"
#> [19] "bit"               "bit64"             "bitops"
#> [22] "blob"              "bootStateSpace"    "brew"
#> [25] "brio"              "broom"             "bslib"
#> [28] "cachem"            "callr"             "car"
#> [31] "caracas"           "carData"           "cellranger"
#> [34] "cfr"               "checkmate"         "cli"
#> [37] "clipr"             "clock"             "clusterGeneration"
#> [40] "coda"              "c0de"              "collections"
#> [43] "colorspace"        "commonmark"        "conflicted"
#> [46] "corpcor"           "covr"              "cowplot"
#> [49] "cpp11"             "crayon"            "credentials"
#> [52] "crosstalk"         "cTMed"             "ctsem"
#> [55] "curl"              "data.table"        "DBI"
#> [58] "dbplyr"            "Deriv"             "desc"
#> [61] "deSolve"           "devtools"          "diagram"
#> [64] "dials"             "DiceDesign"        "diffobj"
#> [67] "digest"            "distributional"     "distro"
#> [70] "doBy"              "docopt"            "downlit"
#> [73] "dplyr"             "DT"                "dtplyr"
#> [76] "duckdb"            "dynr"              "dynUtils"
#> [79] "ellipse"           "ellipsis"          "evaluate"
#> [82] "expm"              "fans"              "farver"
#> [85] "fastDummies"       "fastmap"           "fclust"
#> [88] "fda"               "fdrtool"           "fds"
#> [91] "fitDTVARmX"        "FNN"               "fontawesome"
#> [94] "forcats"           "foreach"           "Formula"
#> [97] "fs"                "fst"               "fstcore"
#> [100] "furrr"             "future"            "future.apply"
#> [103] "gargle"            "generics"          "gert"
#> [106] "ggplot2"           "ggrepel"           "gh"
#> [109] "gitcreds"          "glasso"            "glmnet"
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#> [112] "globals"           "glue"               "googledrive"
#> [115] "googlesheets4"     "gower"              "GPArotation"
#> [118] "GPfit"             "graphicalVAR"       "gridExtra"
#> [121] "gsubfn"            "gtable"             "gtools"
#> [124] "hardhat"           "haven"              "hdcrcde"
#> [127] "here"              "highr"              "Hmisc"
#> [130] "hms"               "htmlTable"          "htmltools"
#> [133] "htmlwidgets"       "httpuv"             "httr"
#> [136] "httr2"             "ids"                "ifaTools"
#> [139] "igraph"            "infer"              "ini"
#> [142] "inline"            "ipred"              "isoband"
#> [145] "iterators"         "jomo"               "jpeg"
#> [148] "jquerylib"         "jsonlite"           "jsonvalidate"
#> [151] "kernlab"           "knitr"              "ks"
#> [154] "labeling"          "Lahman"             "languageserver"
#> [157] "later"             "latex2exp"          "lava"
#> [160] "lavaan"            "lazyeval"           "lhs"
#> [163] "lifecycle"         "lintr"              "listenv"
#> [166] "litedown"          "littler"            "lme4"
#> [169] "locfit"            "longMI"             "loo"
#> [172] "lubridate"         "magick"             "magrittr"
#> [175] "markdown"          "MatrixModels"       "matrixStats"
#> [178] "mclust"            "memoise"            "metaSEM"
#> [181] "metaVAR"           "mice"               "microbenchmark"
#> [184] "mime"              "miniUI"             "minqa"
#> [187] "mitml"             "mize"               "mlVAR"
#> [190] "mnormt"            "modeldata"          "modelenv"
#> [193] "modelr"            "MplusAutomation"    "multicool"
#> [196] "mvtnorm"           "nloptr"             "numDeriv"
#> [199] "nycflights13"      "OpenMx"             "openssl"
#> [202] "ordinal"           "pan"                "pander"
#> [205] "parallelly"        "parsnip"            "patchwork"
#> [208] "pbapply"           "pbivnorm"           "pbkrtest"
#> [211] "pcaPP"             "pdftools"           "pillar"
#> [214] "pkgbuild"          "pkgconfig"          "pkgdown"
#> [217] "pkgload"           "plogr"              "plyr"
#> [220] "png"              "posterior"          "pracma"
#> [223] "praise"            "prettyunits"        "printr"
#> [226] "processx"          "prodlim"            "profvis"
#> [229] "progress"          "progressr"          "promises"
#> [232] "proto"             "ps"                 "psych"
#> [235] "purrr"             "qgraph"             "qpdf"
#> [238] "quadprog"          "quantreg"           "quarto"
#> [241] "QuickJSR"          "R.cache"            "R.methodsS3"
#> [244] "R.oo"              "R.utils"            "R2jags"

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| | | | |
|----------|-----------------|----------------|-----------------|
| #> [247] | "R2WinBUGS" | "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" | "S7" | "sass" |
| #> [295] | "scales" | "selectr" | "semlbci" |
| #> [298] | "semmcci" | "sessioninfo" | "sfd" |
| #> [301] | "shape" | "shiny" | "simStateSpace" |
| #> [304] | "slider" | "snow" | "snowfall" |
| #> [307] | "sourcetools" | "SparseM" | "sparsevctrs" |
| #> [310] | "SQUAREM" | "StanHeaders" | "stringi" |
| #> [313] | "stringr" | "styler" | "symSEM" |
| #> [316] | "sys" | "systemfonts" | "tailor" |
| #> [319] | "tensorA" | "testthat" | "texreg" |
| #> [322] | "textshaping" | "tibble" | "tidymodels" |
| #> [325] | "tidyr" | "tidyselect" | "tidyverse" |
| #> [328] | "timechange" | "timeDate" | "tinytex" |
| #> [331] | "tune" | "tzdb" | "ucminf" |
| #> [334] | "urlchecker" | "usethis" | "utf8" |
| #> [337] | "uuid" | "V8" | "vctrs" |
| #> [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. (2025). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>