

Session Info

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Session

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sessionInfo()
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```
#> R version 4.5.2 (2025-10-31)
#> 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_0.0.23
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.6.1         lubridate_1.9.4  xfun_0.56
#>  [5] magrittr_2.0.4   glue_1.8.0       stringr_1.6.0    knitr_1.51
#>  [9] timechange_0.3.0 generics_0.1.4    lifecycle_1.0.5  xml2_1.5.2
#> [13] cli_3.6.5.9000   bibtex_0.5.1     compiler_4.5.2   plyr_1.8.9
#> [17] highr_0.11       rprojroot_2.1.1  httr_1.4.7       tools_4.5.2
#> [21] evaluate_1.0.5   Rcpp_1.1.1       RefManageR_1.4.0 otel_0.2.0
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#> [25] rlang_1.1.7      jsonlite_2.0.0    stringi_1.8.7
```

Packages

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

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

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| | | | |
|----------|----------------|-----------------|-----------------|
| #> [247] | "quantreg" | "quarto" | "QuickJSR" |
| #> [250] | "R.cache" | "R.methodsS3" | "R.oo" |
| #> [253] | "R.utils" | "R2jags" | "R2WinBUGS" |
| #> [256] | "R6" | "ragg" | "rainbow" |
| #> [259] | "rappdirs" | "rbibutils" | "rcmdcheck" |
| #> [262] | "RColorBrewer" | "Rcpp" | "RcppArmadillo" |
| #> [265] | "RcppEigen" | "RcppGSL" | "RcppParallel" |
| #> [268] | "RcppTOML" | "RCurl" | "Rdpack" |
| #> [271] | "readr" | "readxl" | "recipes" |
| #> [274] | "RefManager" | "reformulas" | "rematch" |
| #> [277] | "rematch2" | "remotes" | "reprex" |
| #> [280] | "reshape2" | "reticulate" | "rex" |
| #> [283] | "rhdf5" | "rhdf5filters" | "Rhdf5lib" |
| #> [286] | "rhub" | "rjags" | "rlang" |
| #> [289] | "RMariaDB" | "rmarkdown" | "roxygen2" |
| #> [292] | "rpf" | "RPostgres" | "rProject" |
| #> [295] | "rprojroot" | "rsample" | "RSQLite" |
| #> [298] | "rstan" | "rstantools" | "rstudioapi" |
| #> [301] | "rversions" | "rvest" | "Ryacac" |
| #> [304] | "S7" | "sass" | "scales" |
| #> [307] | "selectr" | "semlbci" | "semmcci" |
| #> [310] | "sessioninfo" | "sfd" | "shape" |
| #> [313] | "shiny" | "simStateSpace" | "slider" |
| #> [316] | "snow" | "snowfall" | "sourcetools" |
| #> [319] | "SparseM" | "sparsevctrs" | "SQUAREM" |
| #> [322] | "StanHeaders" | "stringi" | "stringr" |
| #> [325] | "styler" | "symSEM" | "sys" |
| #> [328] | "systemfonts" | "tailor" | "tensorA" |
| #> [331] | "testthat" | "texreg" | "textshaping" |
| #> [334] | "tibble" | "tidymodels" | "tidyr" |
| #> [337] | "tidyselect" | "tidyverse" | "timechange" |
| #> [340] | "timeDate" | "tinytex" | "tseries" |
| #> [343] | "TTR" | "tune" | "tzdb" |
| #> [346] | "ucminf" | "unigd" | "urca" |
| #> [349] | "urlchecker" | "usethis" | "utf8" |
| #> [352] | "uuid" | "V8" | "vctrs" |
| #> [355] | "viridisLite" | "vroom" | "waldo" |
| #> [358] | "warp" | "whisker" | "whoami" |
| #> [361] | "withr" | "workflows" | "workflowsets" |
| #> [364] | "xfun" | "xml2" | "xmlparsedata" |
| #> [367] | "xopen" | "xtable" | "xts" |
| #> [370] | "yaml" | "yardstick" | "zip" |
| #> [373] | "zoo" | "base" | "boot" |
| #> [376] | "class" | "cluster" | "codetools" |
| #> [379] | "compiler" | "datasets" | "foreign" |

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#> [382] "graphics"      "grDevices"     "grid"
#> [385] "KernSmooth"    "lattice"       "MASS"
#> [388] "Matrix"        "methods"       "mgcv"
#> [391] "nlme"          "nnet"          "parallel"
#> [394] "rpart"         "spatial"       "splines"
#> [397] "stats"         "stats4"        "survival"
#> [400] "tcltk"         "tools"         "utils"
```

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/>