

Session Info

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Session

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sessionInfo()
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```
#> 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"      "metaVAR"           "simStateSpace"
#> [4] "abind"             "Amelia"            "arm"
#> [7] "arrow"             "ash"               "askpass"
#> [10] "assertthat"        "backports"         "base64enc"
#> [13] "betaDelta"         "betaMC"            "betaNB"
#> [16] "betaSandwich"      "BH"                "bibtex"
#> [19] "BiocManager"       "bit"               "bit64"
#> [22] "bitops"            "blob"              "bootStateSpace"
#> [25] "brew"              "brio"              "broom"
#> [28] "bslib"             "cachem"            "callr"
#> [31] "car"               "caracas"           "carData"
#> [34] "cellranger"        "cfrfr"             "checkmate"
#> [37] "cli"               "clipr"             "clock"
#> [40] "clusterGeneration" "coda"              "c0de"
#> [43] "collections"       "colorspace"        "commonmark"
#> [46] "conflicted"        "corpcor"           "covr"
#> [49] "cowplot"           "cpp11"             "crayon"
#> [52] "credentials"       "crosstalk"         "cTMed"
#> [55] "ctsem"             "curl"              "data.table"
#> [58] "DBI"               "dbplyr"            "Deriv"
#> [61] "desc"              "deSolve"           "devtools"
#> [64] "diagram"           "dials"             "DiceDesign"
#> [67] "diffobj"           "digest"            "distributional"
#> [70] "distrib"           "doBy"              "docopt"
#> [73] "downlit"           "dplyr"             "DT"
#> [76] "dtplyr"           "duckdb"            "dynr"
#> [79] "dynUtils"          "ellipse"           "ellipsis"
#> [82] "evaluate"          "expm"              "fans"
#> [85] "farver"            "fastDummies"       "fastmap"
#> [88] "fclust"            "fda"               "fdrtool"
#> [91] "fds"               "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] "hdcrcde"          "here"              "highr"
#> [130] "Hmisc"            "hms"               "htmlTable"
#> [133] "htmltools"        "htmlwidgets"       "httpuv"
#> [136] "httr"             "httr2"             "ids"
#> [139] "ifaTools"         "igraph"            "infer"
#> [142] "ini"              "inline"            "ipred"
#> [145] "isoband"          "iterators"         "jomo"
#> [148] "jpeg"             "jquerylib"         "jsonlite"
#> [151] "jsonvalidate"     "kernlab"           "knitr"
#> [154] "ks"               "labeling"          "Lahman"
#> [157] "languageserver"   "later"             "latex2exp"
#> [160] "lava"             "lavaan"            "lazyeval"
#> [163] "lhs"              "lifecycle"         "lintr"
#> [166] "listenv"          "litedown"          "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"        "mvtnorm"           "nloptr"
#> [199] "numDeriv"         "nycflights13"      "OpenMx"
#> [202] "openssl"          "ordinal"           "pan"
#> [205] "pander"           "parallelly"        "parsnip"
#> [208] "patchwork"        "pbapply"           "pbivnorm"
#> [211] "pbkrtest"         "pcaPP"             "pdftools"
#> [214] "pillar"           "pkgbuild"          "pkgconfig"
#> [217] "pkgdown"          "pkgload"           "plogr"
#> [220] "plyr"             "png"               "posterior"
#> [223] "pracma"           "praise"            "prettyunits"
#> [226] "printr"           "processx"          "prodlim"
#> [229] "profvis"          "progress"          "progressr"
#> [232] "promises"         "proto"             "ps"
#> [235] "psych"            "purrr"             "qgraph"
#> [238] "qpdf"             "quadprog"          "quantreg"
#> [241] "quarto"           "QuickJSR"          "R.cache"
#> [244] "R.methodsS3"      "R.oo"              "R.utils"

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#> [247]	"R2jags"	"R2WinBUGS"	"R6"
#> [250]	"ragg"	"rainbow"	"rappdirs"
#> [253]	"rbibutils"	"rcmdcheck"	"RColorBrewer"
#> [256]	"Rcpp"	"RcppArmadillo"	"RcppEigen"
#> [259]	"RcppGSL"	"RcppParallel"	"RcppTOML"
#> [262]	"RCurl"	"Rdpack"	"readr"
#> [265]	"readxl"	"recipes"	"RefManageR"
#> [268]	"reformulas"	"rematch"	"rematch2"
#> [271]	"remotes"	"reprex"	"reshape2"
#> [274]	"reticulate"	"rex"	"rhub"
#> [277]	"rjags"	"rlang"	"RMariaDB"
#> [280]	"rmarkdown"	"roxygen2"	"rpf"
#> [283]	"RPostgres"	"rProject"	"rprojroot"
#> [286]	"rsample"	"RSQLite"	"rstan"
#> [289]	"rstantools"	"rstudioapi"	"rversions"
#> [292]	"rvest"	"Ryacas"	"S7"
#> [295]	"sass"	"scales"	"selectr"
#> [298]	"semlbci"	"semmccci"	"sessioninfo"
#> [301]	"sfd"	"shape"	"shiny"
#> [304]	"simStateSpace"	"slider"	"snow"
#> [307]	"snowfall"	"sourcetools"	"SparseM"
#> [310]	"sparsevctrs"	"SQUAREM"	"StanHeaders"
#> [313]	"stringi"	"stringr"	"styler"
#> [316]	"symSEM"	"sys"	"systemfonts"
#> [319]	"tailor"	"tensorA"	"testthat"
#> [322]	"texreg"	"textshaping"	"tibble"
#> [325]	"tidymodels"	"tidyr"	"tidyselect"
#> [328]	"tidyverse"	"timechange"	"timeDate"
#> [331]	"tinytex"	"tune"	"tzdb"
#> [334]	"ucminf"	"urlchecker"	"usethis"
#> [337]	"utf8"	"uuid"	"V8"
#> [340]	"vctrs"	"viridisLite"	"vroom"
#> [343]	"waldo"	"warp"	"whisker"
#> [346]	"whoami"	"withr"	"workflows"
#> [349]	"workflowsets"	"xfun"	"xml2"
#> [352]	"xmlparsedata"	"xopen"	"xtable"
#> [355]	"yaml"	"yardstick"	"zip"
#> [358]	"base"	"boot"	"class"
#> [361]	"cluster"	"codetools"	"compiler"
#> [364]	"datasets"	"foreign"	"graphics"
#> [367]	"grDevices"	"grid"	"KernSmooth"
#> [370]	"lattice"	"MASS"	"Matrix"
#> [373]	"methods"	"mgcv"	"nlme"
#> [376]	"nnet"	"parallel"	"rpart"
#> [379]	"spatial"	"splines"	"stats"

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#> [382] "stats4"          "survival"        "tcltk"
#> [385] "tools"           "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/>