

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 24.04.2 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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unname(installed.packages()[, 1])
```

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

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

```
#> [382] "rpart"          "spatial"        "splines"
#> [385] "stats"          "stats4"         "survival"
#> [388] "tcltk"          "tools"          "utils"
```

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/>