

Session Info

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Session

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sessionInfo()
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```
#> R version 4.4.1 (2024-06-14)
#> Platform: x86_64-pc-linux-gnu
#> Running under: Ubuntu 22.04.4 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-r0.3.20.so; LAPACK version 3.10.3
#>
#> 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_0.0.14
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.5.1         lubridate_1.9.3  xfun_0.47
#>  [5] magrittr_2.0.3   glue_1.7.0       stringr_1.5.1    knitr_1.48
#>  [9] timechange_0.3.0 generics_0.1.3    lifecycle_1.0.4  xml2_1.3.6
#> [13] cli_3.6.3.9000   bibtex_0.5.1     compiler_4.4.1   highr_0.11
#> [17] rprojroot_2.0.4  plyr_1.8.9       httr_1.4.7       tools_4.4.1
#> [21] evaluate_0.24.0  Rcpp_1.0.13      RefManageR_1.4.0 rlang_1.1.4
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#> [25] jsonlite_1.8.8   stringi_1.8.4
```

Packages

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

```
#> [1] "digest"           "fitDTVARMx"       "httr2"
#> [4] "rProject"         "testthat"         "waldo"
#> [7] "abind"            "arm"              "arrow"
#> [10] "ash"              "AsioHeaders"      "askpass"
#> [13] "assertthat"       "backports"        "base64enc"
#> [16] "betaDelta"        "betaMC"           "betaNB"
#> [19] "betaSandwich"     "BH"               "bibtex"
#> [22] "BiocManager"      "bit"              "bit64"
#> [25] "bitops"           "blob"             "brew"
#> [28] "brio"             "broom"            "bslib"
#> [31] "cachem"           "callr"            "car"
#> [34] "caracas"          "carData"          "cellranger"
#> [37] "cfrfr"            "checkmate"        "cli"
#> [40] "clipr"            "clock"            "clusterGeneration"
#> [43] "coda"             "cOde"             "collections"
#> [46] "colorspace"       "commonmark"       "conflicted"
#> [49] "corpcor"          "covr"             "cowplot"
#> [52] "cpp11"            "crayon"           "credentials"
#> [55] "crosstalk"        "cTMed"            "ctsem"
#> [58] "curl"             "cyclocomp"        "data.table"
#> [61] "DBI"              "dbplyr"           "Deriv"
#> [64] "desc"             "deSolve"          "devtools"
#> [67] "diagram"          "dials"            "DiceDesign"
#> [70] "diffobj"          "digest"           "distributional"
#> [73] "distrib"          "doBy"             "docopt"
#> [76] "doFuture"         "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"              "fitCTVARMx"
#> [97] "fitDTVARMx"       "FNN"              "fontawesome"
#> [100] "forcats"          "foreach"          "Formula"
#> [103] "fs"              "fst"              "fstcore"
#> [106] "furrr"           "future"           "future.apply"
#> [109] "gargle"           "generics"         "gert"
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#> [112] "ggplot2"           "ggrepel"           "gh"
#> [115] "gitcreds"          "glasso"             "glmnet"
#> [118] "globals"           "glue"               "googledrive"
#> [121] "googlesheets4"     "gower"             "GPArotation"
#> [124] "GPfit"             "graphicalVAR"       "gridExtra"
#> [127] "gsubfn"            "gtable"             "gtools"
#> [130] "hardhat"           "haven"              "hdcrcde"
#> [133] "here"              "highr"              "Hmisc"
#> [136] "hms"               "htmlTable"          "htmltools"
#> [139] "htmlwidgets"       "httpgd"             "httpuv"
#> [142] "httr"              "httr2"              "ids"
#> [145] "ifaTools"          "igraph"             "infer"
#> [148] "ini"               "inline"             "ipred"
#> [151] "isoband"           "iterators"          "jomo"
#> [154] "jpeg"              "jquerylib"          "jsonlite"
#> [157] "jsonvalidate"      "kernlab"            "knitr"
#> [160] "ks"                "labeling"           "Lahman"
#> [163] "languageserver"    "later"              "latex2exp"
#> [166] "lava"              "lavaan"             "lazyeval"
#> [169] "lhs"               "lifecycle"          "lintr"
#> [172] "listenv"           "littler"            "lme4"
#> [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] "munsell"           "mvtnorm"            "nloptr"
#> [205] "numDeriv"          "nycflights13"       "OpenMx"
#> [208] "openssl"           "ordinal"            "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"           "proclim"
#> [235] "profvis"           "progress"           "progressr"
#> [238] "promises"          "proto"              "ps"
#> [241] "psych"             "purrr"              "qgraph"
#> [244] "qpdf"              "quadprog"           "quantreg"

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#> [247]	"quarto"	"QuickJSR"	"R.cache"
#> [250]	"R.methodsS3"	"R.oo"	"R.utils"
#> [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]	"RefManagerR"	"rematch"	"rematch2"
#> [274]	"remotes"	"reprex"	"reshape2"
#> [277]	"reticulate"	"rex"	"rhub"
#> [280]	"rlang"	"RMariaDB"	"rmarkdown"
#> [283]	"roxygen2"	"rpf"	"RPostgres"
#> [286]	"rProject"	"rprojroot"	"rsample"
#> [289]	"RSQLite"	"rstan"	"rstantools"
#> [292]	"rstudioapi"	"rversions"	"rvest"
#> [295]	"Ryacas"	"sass"	"scales"
#> [298]	"selectr"	"semlbci"	"semmccci"
#> [301]	"sessioninfo"	"sfd"	"shape"
#> [304]	"shiny"	"simStateSpace"	"slider"
#> [307]	"snow"	"snowfall"	"sourcetools"
#> [310]	"SparseM"	"SQUAREM"	"StanHeaders"
#> [313]	"statmod"	"stringi"	"stringr"
#> [316]	"styler"	"symSEM"	"sys"
#> [319]	"systemfonts"	"tensorA"	"testthat"
#> [322]	"texreg"	"textshaping"	"tibble"
#> [325]	"tidymodels"	"tidyr"	"tidyselect"
#> [328]	"tidyverse"	"timechange"	"timeDate"
#> [331]	"tinytex"	"tune"	"tzdb"
#> [334]	"ucminf"	"unigd"	"urlchecker"
#> [337]	"usethis"	"utf8"	"uuid"
#> [340]	"V8"	"vctrs"	"viridis"
#> [343]	"viridisLite"	"vroom"	"waldo"
#> [346]	"warp"	"whisker"	"whoami"
#> [349]	"withr"	"workflows"	"workflowsets"
#> [352]	"xfun"	"xml2"	"xmlparsedata"
#> [355]	"xopen"	"xtable"	"yaml"
#> [358]	"yardstick"	"zip"	"base"
#> [361]	"boot"	"class"	"cluster"
#> [364]	"codetools"	"compiler"	"datasets"
#> [367]	"foreign"	"graphics"	"grDevices"
#> [370]	"grid"	"KernSmooth"	"lattice"
#> [373]	"MASS"	"Matrix"	"methods"
#> [376]	"mgcv"	"nlme"	"nnet"
#> [379]	"parallel"	"rpart"	"spatial"

```
#> [382] "splines"          "stats"            "stats4"
#> [385] "survival"         "tcltk"            "tools"
#> [388] "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/>