

Session Info

Ivan Jacob Agaloos Pesigan

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] "dynUtils"      "abind"          "arm"
#> [4] "arrow"         "ash"            "AsioHeaders"
#> [7] "askpass"       "assertthat"    "backports"
#> [10] "base64enc"     "betaDelta"     "betaMC"
#> [13] "betaNB"        "betaSandwich"  "BH"
#> [16] "bibtex"        "BiocManager"   "bit"
#> [19] "bit64"         "bitops"        "blob"
#> [22] "brew"          "brio"          "broom"
#> [25] "bslib"         "cachem"        "callr"
#> [28] "car"           "caracas"       "carData"
#> [31] "cellranger"    "cfrfr"         "checkmate"
#> [34] "cli"           "clipr"         "clock"
#> [37] "clusterGeneration" "coda"        "c0de"
#> [40] "collections"   "colorspace"    "commonmark"
#> [43] "conflicted"    "corpcor"       "covr"
#> [46] "cowplot"       "cpp11"         "crayon"
#> [49] "credentials"   "crosstalk"     "cTMed"
#> [52] "ctsem"         "curl"          "cyclocomp"
#> [55] "data.table"    "DBI"           "dbplyr"
#> [58] "Deriv"         "desc"          "deSolve"
#> [61] "devtools"      "diagram"       "dials"
#> [64] "DiceDesign"    "diffobj"       "digest"
#> [67] "distributional" "distro"        "doBy"
#> [70] "docopt"        "doFuture"      "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] "fitCTVARMx"    "fitDTVARMx"    "FNN"
#> [94] "fontawesome"   "forcats"       "foreach"
#> [97] "Formula"       "fs"            "fst"
#> [100] "fstcore"       "frrrr"         "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] "hdrcde"           "here"             "highr"
#> [130] "Hmisc"            "hms"              "htmlTable"
#> [133] "htmltools"        "htmlwidgets"      "httpgd"
#> [136] "httpuv"           "httr"             "httr2"
#> [139] "ids"              "ifaTools"         "igraph"
#> [142] "infer"            "ini"              "inline"
#> [145] "ipred"            "isoband"          "iterators"
#> [148] "jomo"             "jpeg"             "jquerylib"
#> [151] "jsonlite"         "jsonvalidate"     "kernlab"
#> [154] "knitr"            "ks"               "labeling"
#> [157] "Lahman"           "languageserver"   "later"
#> [160] "latex2exp"        "lava"             "lavaan"
#> [163] "lazyeval"         "lhs"              "lifecycle"
#> [166] "lintr"            "listenv"          "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"        "munsell"          "mvtnorm"
#> [199] "nloptr"           "numDeriv"         "nycflights13"
#> [202] "OpenMx"           "openssl"          "ordinal"
#> [205] "pan"              "pander"           "parallelly"
#> [208] "parsnip"          "patchwork"        "pbapply"
#> [211] "pbivnorm"         "pbkrtest"         "pcaPP"
#> [214] "pdftools"         "pillar"           "pkgbuild"
#> [217] "pkgconfig"        "pkgdown"          "pkgload"
#> [220] "plogr"            "plyr"             "png"
#> [223] "posterior"        "pracma"           "praise"
#> [226] "prettyunits"      "printr"           "processx"
#> [229] "prodlim"          "profvis"          "progress"
#> [232] "progressr"        "promises"         "proto"
#> [235] "ps"               "psych"            "purrr"
#> [238] "qgraph"           "qpdf"             "quadprog"
#> [241] "quantreg"         "quarto"           "QuickJSR"
#> [244] "R.cache"          "R.methodsS3"      "R.oo"

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#> [247]	"R.utils"	"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"	"rematch"
#> [268]	"rematch2"	"remotes"	"reprex"
#> [271]	"reshape2"	"reticulate"	"rex"
#> [274]	"rhub"	"rjags"	"rlang"
#> [277]	"RMariaDB"	"rmarkdown"	"roxygen2"
#> [280]	"rpf"	"RPostgres"	"rProject"
#> [283]	"rprojroot"	"rsample"	"RSQLite"
#> [286]	"rstan"	"rstantools"	"rstudioapi"
#> [289]	"rversions"	"rvest"	"Ryacas"
#> [292]	"sass"	"scales"	"selectr"
#> [295]	"semblci"	"semmccci"	"sessioninfo"
#> [298]	"sfd"	"shape"	"shiny"
#> [301]	"simStateSpace"	"slider"	"snow"
#> [304]	"snowfall"	"sourcetools"	"SparseM"
#> [307]	"SQUAREM"	"StanHeaders"	"statmod"
#> [310]	"stringi"	"stringr"	"styler"
#> [313]	"symSEM"	"sys"	"systemfonts"
#> [316]	"tensorA"	"testthat"	"texreg"
#> [319]	"textshaping"	"tibble"	"tidymodels"
#> [322]	"tidyr"	"tidyselect"	"tidyverse"
#> [325]	"timechange"	"timeDate"	"tinytex"
#> [328]	"tune"	"tzdb"	"ucminf"
#> [331]	"unigd"	"urlchecker"	"usethis"
#> [334]	"utf8"	"uuid"	"V8"
#> [337]	"vctrs"	"viridis"	"viridisLite"
#> [340]	"vroom"	"waldo"	"warp"
#> [343]	"whisker"	"whoami"	"withr"
#> [346]	"workflows"	"workflowsets"	"xfun"
#> [349]	"xml2"	"xmlparsedata"	"xopen"
#> [352]	"xtable"	"yaml"	"yardstick"
#> [355]	"zip"	"base"	"boot"
#> [358]	"class"	"cluster"	"codetools"
#> [361]	"compiler"	"datasets"	"foreign"
#> [364]	"graphics"	"grDevices"	"grid"
#> [367]	"KernSmooth"	"lattice"	"MASS"
#> [370]	"Matrix"	"methods"	"mgcv"
#> [373]	"nlme"	"nnet"	"parallel"
#> [376]	"rpart"	"spatial"	"splines"
#> [379]	"stats"	"stats4"	"survival"

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#> [382] "tcltk"          "tools"          "utils"
```

References

R Core Team. (2023). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>