

Session Info

Ivan Jacob Agaloos Pesigan

Session

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sessionInfo()
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```
#> R version 4.4.2 (2024-10-31)
#> Platform: x86_64-pc-linux-gnu
#> Running under: Ubuntu 24.04.1 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_0.0.17
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.5.1         lubridate_1.9.4  xfun_0.50
#>  [5] magrittr_2.0.3   glue_1.8.0       stringr_1.5.1    knitr_1.49
#>  [9] timechange_0.3.0 generics_0.1.3    lifecycle_1.0.4  xml2_1.3.6
#> [13] cli_3.6.3.9002   bibtex_0.5.1     compiler_4.4.2   highr_0.11
#> [17] rprojroot_2.0.4  plyr_1.8.9       httr_1.4.7       tools_4.4.2
#> [21] evaluate_1.0.3   Rcpp_1.0.14      RefManageR_1.4.0 rlang_1.1.4
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#> [25] jsonlite_1.8.9   stringi_1.8.4
```

Packages

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

```
#> [1] "simStateSpace"      "abind"              "Amelia"
#> [4] "arm"                "arrow"              "ash"
#> [7] "AsioHeaders"        "askpass"            "assertthat"
#> [10] "backports"          "base64enc"          "betaDelta"
#> [13] "betaMC"             "betaNB"             "betaSandwich"
#> [16] "BH"                 "bibtex"             "BiocManager"
#> [19] "bit"                "bit64"              "bitops"
#> [22] "blob"               "brew"               "brio"
#> [25] "broom"              "bslib"              "cachem"
#> [28] "callr"              "car"                "caracas"
#> [31] "carData"            "cellranger"         "cfr"
#> [34] "checkmate"          "cli"                "clipr"
#> [37] "clock"              "clusterGeneration"  "coda"
#> [40] "c0de"               "collections"         "colorspace"
#> [43] "commonmark"         "conflicted"          "corpcor"
#> [46] "covr"               "cowplot"             "cpp11"
#> [49] "crayon"             "credentials"         "crosstalk"
#> [52] "cTMed"              "ctsem"               "curl"
#> [55] "cyclocomp"          "data.table"          "DBI"
#> [58] "dbplyr"             "Deriv"               "desc"
#> [61] "deSolve"            "devtools"            "diagram"
#> [64] "dials"              "DiceDesign"          "diffobj"
#> [67] "digest"             "distributional"      "distro"
#> [70] "doBy"               "docopt"              "doFuture"
#> [73] "downlit"            "dplyr"               "DT"
#> [76] "dtplyr"             "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"            "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] "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"	"reformulas"
#> [268]	"rematch"	"rematch2"	"remotes"
#> [271]	"reprex"	"reshape2"	"reticulate"
#> [274]	"rex"	"rhub"	"rjags"
#> [277]	"rlang"	"RMariaDB"	"rmarkdown"
#> [280]	"roxygen2"	"rpf"	"RPostgres"
#> [283]	"rProject"	"rprojroot"	"rsample"
#> [286]	"RSQLite"	"rstan"	"rstantools"
#> [289]	"rstudioapi"	"rversions"	"rvest"
#> [292]	"Ryacas"	"sass"	"scales"
#> [295]	"selectr"	"semlbci"	"semmccci"
#> [298]	"sessioninfo"	"sfd"	"shape"
#> [301]	"shiny"	"simStateSpace"	"slider"
#> [304]	"snow"	"snowfall"	"sourcetools"
#> [307]	"SparseM"	"SQUAREM"	"StanHeaders"
#> [310]	"statmod"	"stringi"	"stringr"
#> [313]	"styler"	"symSEM"	"sys"
#> [316]	"systemfonts"	"tensorA"	"testthat"
#> [319]	"texreg"	"textshaping"	"tibble"
#> [322]	"tidymodels"	"tidyr"	"tidyselect"
#> [325]	"tidyverse"	"timechange"	"timeDate"
#> [328]	"tinytex"	"tune"	"tzdb"
#> [331]	"ucminf"	"unigd"	"urlchecker"
#> [334]	"usethis"	"utf8"	"uuid"
#> [337]	"V8"	"vctrs"	"viridis"
#> [340]	"viridisLite"	"vroom"	"waldo"
#> [343]	"warp"	"whisker"	"whoami"
#> [346]	"withr"	"workflows"	"workflowsets"
#> [349]	"xfun"	"xml2"	"xmlparsedata"
#> [352]	"xopen"	"xtable"	"yaml"
#> [355]	"yardstick"	"zip"	"base"
#> [358]	"boot"	"class"	"cluster"
#> [361]	"codetools"	"compiler"	"datasets"
#> [364]	"foreign"	"graphics"	"grDevices"
#> [367]	"grid"	"KernSmooth"	"lattice"
#> [370]	"MASS"	"Matrix"	"methods"
#> [373]	"mgcv"	"nlme"	"nnet"
#> [376]	"parallel"	"rpart"	"spatial"
#> [379]	"splines"	"stats"	"stats4"

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