

Session Info

Ivan Jacob Agaloos Pesigan

Session

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sessionInfo()

#> R version 4.5.2 (2025-10-31)
#> 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-p0.3.26.so;  LAPACK version 3.12
#>
#> 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
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#> tzcode source: system (glibc)

#>

#> attached base packages:

#> [1] stats      graphics   grDevices utils      datasets   methods    base
#>

#> other attached packages:

#> [1] rProject_0.0.23
#>
#> loaded via a namespace (and not attached):

#> [1] backports_1.5.0 R6_2.6.1          lubridate_1.9.5  xfun_0.56
#> [5] magrittr_2.0.4   glue_1.8.0          stringr_1.6.0   knitr_1.51
#> [9] timechange_0.4.0 generics_0.1.4    lifecycle_1.0.5  xml2_1.5.2
#> [13] cli_3.6.5.9000  bibtex_0.5.2     compiler_4.5.2   plyr_1.8.9
#> [17] highr_0.11      rprojroot_2.1.1   httr_1.4.7      tools_4.5.2
#> [21] evaluate_1.0.5   Rcpp_1.1.1        RefManageR_1.4.0 otel_0.2.0
#> [25] rlang_1.1.7      jsonlite_2.0.0   stringi_1.8.7

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Packages

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

#> [1] "base64enc"           "bibtex"            "cTMed"
#> [4] "devtools"             "lubridate"          "pkgload"
#> [7] "rProject"              "tinytex"            "abind"
#> [10] "Amelia"                "arm"                "arrow"
#> [13] "ash"                  "AsioHeaders"        "askpass"
#> [16] "assertthat"           "backports"          "base64enc"

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#> [19] "betaDelta"          "betaMC"           "betaNB"
#> [22] "betaSandwich"      "BH"                "bibtex"
#> [25] "BiocManager"        "BiocVersion"       "bit"
#> [28] "bit64"              "bitops"            "blob"
#> [31] "bootStateSpace"     "brew"               "brio"
#> [34] "broom"               "bslib"             "cachem"
#> [37] "callr"               "car"                "caracas"
#> [40] "carData"             "cellranger"        "cffr"
#> [43] "checkmate"          "cli"                "clipr"
#> [46] "clock"               "clusterGeneration" "coda"
#> [49] "c0de"                "collections"       "colorspace"
#> [52] "commonmark"          "conflicted"        "corpcor"
#> [55] "covr"                 "cowplot"           "cpp11"
#> [58] "crayon"              "credentials"       "crosstalk"
#> [61] "cTMed"                "ctsem"              "curl"
#> [64] "data.table"          "DBI"                "dbplyr"
#> [67] "Deriv"                "desc"               "deSolve"
#> [70] "devtools"             "diagram"            "dials"
#> [73] "DiceDesign"           "diffobj"            "digest"
#> [76] "distributional"       "distro"              "doBy"
#> [79] "docopt"                "downlit"            "dplyr"
#> [82] "DT"                   "dtplyr"             "duckdb"
#> [85] "dynr"                  "dynUtils"           "ellipse"
#> [88] "ellipsis"              "evaluate"           "expm"
#> [91] "fansi"                  "farver"             "fastDummies"
#> [94] "fastmap"              "fclust"             "fda"
#> [97] "fdrtool"              "fds"                "fitDTVARMxID"

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#> [100] "FNN"                 "fontawesome"      "forcats"
#> [103] "foreach"              "forecast"        "Formula"
#> [106] "fracdiff"             "fs"               "fst"
#> [109] "fstcore"              "furrr"           "future"
#> [112] "future.apply"         "gargle"          "generics"
#> [115] "gert"                 "ggplot2"          "ggrepel"
#> [118] "gh"                   "gitcreds"        "glasso"
#> [121] "glmnet"               "globals"          "glue"
#> [124] "googledrive"          "googlesheets4"   "gower"
#> [127] "GPArotation"          "GPfit"           "graphicalVAR"
#> [130] "gridExtra"             "gsubfn"          "gtable"
#> [133] "gtools"                "hardhat"          "haven"
#> [136] "hdrcde"                "here"             "highr"
#> [139] "Hmisc"                 "hms"              "htmlTable"
#> [142] "htmltools"              "htmlwidgets"      "httpgd"
#> [145] "httpuv"                "httr"             "httr2"
#> [148] "ids"                   "ifaTools"         "igraph"
#> [151] "infer"                  "ini"              "inline"
#> [154] "ipred"                  "isoband"          "iterators"
#> [157] "jomo"                   "jpeg"             "jquerylib"
#> [160] "jsonlite"               "jsonvalidate"     "kernlab"
#> [163] "knitr"                  "ks"               "labeling"
#> [166] "Lahman"                 "languageserver"   "later"
#> [169] "latex2exp"              "lava"             "lavaan"
#> [172] "lazyeval"                "lhs"              "lifecycle"
#> [175] "lintr"                  "listenv"          "litedown"
#> [178] "littler"                "lme4"             "lmtest"

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#> [181] "locfit"           "longMI"          "loo"
#> [184] "lubridate"        "magick"          "magrittr"
#> [187] "markdown"         "MatrixModels"    "matrixStats"
#> [190] "mclust"           "memoise"         "metaDyn"
#> [193] "metaSEM"          "metaVAR"         "mice"
#> [196] "microbenchmark"   "mime"            "miniUI"
#> [199] "minqa"            "mitml"           "mize"
#> [202] "mlVAR"            "mnormt"          "modeldata"
#> [205] "modelenv"         "modelr"          "MplusAutomation"
#> [208] "multicool"        "mvtnorm"         "nloptr"
#> [211] "numDeriv"         "nycflights13"  "OpenMx"
#> [214] "openssl"          "ordinal"         "otel"
#> [217] "pan"               "pander"          "parallelly"
#> [220] "parsnip"          "patchwork"       "pbapply"
#> [223] "pbivnorm"         "pbkrtest"        "pcaPP"
#> [226] "pdftools"         "pillar"          "pkgbuild"
#> [229] "pkgconfig"         "pkgdown"         "pkgload"
#> [232] "plogr"             "plyr"            "png"
#> [235] "posterior"         "pracma"          "praise"
#> [238] "prettyunits"       "printr"          "processx"
#> [241] "prodlim"           "profvis"         "progress"
#> [244] "progressr"         "promises"        "proto"
#> [247] "ps"                "psych"           "purrr"
#> [250] "qgraph"            "qpdf"            "quadprog"
#> [253] "quantmod"          "quantreg"        "quarto"
#> [256] "QuickJSR"          "R.cache"         "R.methodsS3"
#> [259] "R.oo"              "R.utils"         "R2jags"

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#> [262] "R2WinBUGS"          "R6"                  "ragg"
#> [265] "rainbow"            "rappdirs"           "rbibutils"
#> [268] "rcmdcheck"          "RColorBrewer"       "Rcpp"
#> [271] "RcppArmadillo"      "RcppEigen"          "RcppGSL"
#> [274] "RcppParallel"        "RcppTOML"           "RCurl"
#> [277] "Rdpack"              "readr"               "readxl"
#> [280] "recipes"             "RefManager"         "reformulas"
#> [283] "rematch"             "rematch2"           "remotes"
#> [286] "reprex"              "reshape2"           "reticulate"
#> [289] "rex"                 "rhdf5"              "rhdf5filters"
#> [292] "Rhdf5lib"            "rhub"               "rjags"
#> [295] "rlang"                "RMariaDB"           "rmarkdown"
#> [298] "roxygen2"            "rpf"                "RPostgres"
#> [301] "rProject"             "rprojroot"          "rsample"
#> [304] "RSQLite"              "rstan"              "rstantools"
#> [307] "rstudioapi"          "rversions"          "rvest"
#> [310] "Ryacas"               "S7"                 "sass"
#> [313] "scales"               "selectr"            "semlbci"
#> [316] "semmcci"              "sessioninfo"        "sfd"
#> [319] "shape"                 "shiny"              "simStateSpace"
#> [322] "slider"                "snow"               "snowfall"
#> [325] "sourcetools"          "SparseM"            "sparsevctrs"
#> [328] "SQUAREM"              "StanHeaders"         "stringi"
#> [331] "stringr"               "styler"             "symSEM"
#> [334] "sys"                  "systemfonts"        "tailor"
#> [337] "tensorA"              "testthat"            "texreg"
#> [340] "textshaping"          "tibble"             "tidymodels"

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#> [343] "tidyverse"
#> [346] "timechange"      "timeDate"          "tinytex"
#> [349] "tseries"         "TTR"                "tune"
#> [352] "tzdb"            "ucminf"             "unigd"
#> [355] "urca"            "urlchecker"        "usethis"
#> [358] "utf8"             "uuid"               "V8"
#> [361] "vctrs"            "viridisLite"       "vroom"
#> [364] "waldo"            "warp"               "whisker"
#> [367] "whoami"           "withr"              "workflows"
#> [370] "workflowsets"     "xfun"               "xml2"
#> [373] "xmlparsedata"     "xopen"              "xtable"
#> [376] "xts"               "yaml"               "yardstick"
#> [379] "zip"                "zoo"                "base"
#> [382] "boot"              "class"              "cluster"
#> [385] "codetools"         "compiler"           "datasets"
#> [388] "foreign"           "graphics"           "grDevices"
#> [391] "grid"               "KernSmooth"         "lattice"
#> [394] "MASS"               "Matrix"              "methods"
#> [397] "mgcv"               "nlme"                "nnet"
#> [400] "parallel"           "rpart"              "spatial"
#> [403] "splines"            "stats"              "stats4"
#> [406] "survival"           "tcltk"              "tools"
#> [409] "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/>