

Session Info

Ivan Jacob Agaloos Pesigan

Session

```
sessionInfo()
```

```
#> 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
```

```
#> [25] jsonlite_2.0.0   stringi_1.8.7
```

Packages

```
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"   "distro"           "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"
```

#> [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"	"hdcrcde"	"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"

```

#> [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] "sparsevctr"        "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] "vctr"              "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/>