

Session Info

Ivan Jacob Agaloos Pesigan

Session

```
sessionInfo()
```

```
#> 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_0.0.18
#>
#> 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_1.1.5
```

```
#> [25] jsonlite_1.8.9    stringi_1.8.4
```

Packages

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

```
#> [1] "httr2"           "rProject"       "simStateSpace"
#> [4] "systemfonts"    "textshaping"   "abind"
#> [7] "Amelia"         "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"          "bootStateSpace"
#> [28] "brew"           "brio"          "broom"
#> [31] "bslib"          "cachem"        "callr"
#> [34] "car"            "caracas"       "carData"
#> [37] "cellranger"     "cfr"           "checkmate"
#> [40] "cli"            "clipr"         "clock"
#> [43] "clusterGeneration" "coda"         "c0de"
#> [46] "collections"    "colorspace"    "commonmark"
#> [49] "conflicted"     "corpcor"       "covr"
#> [52] "cowplot"        "cpp11"         "crayon"
#> [55] "credentials"    "crosstalk"     "cTMed"
#> [58] "ctsem"          "curl"          "cyclocomp"
#> [61] "data.table"     "DBI"           "dbplyr"
#> [64] "Deriv"          "desc"          "deSolve"
#> [67] "devtools"       "diagram"       "dials"
#> [70] "DiceDesign"     "diffobj"       "digest"
#> [73] "distributional" "distribro"     "doBy"
#> [76] "docopt"         "doFuture"      "downlit"
#> [79] "dplyr"          "DT"            "dtplyr"
#> [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"
```

```

#> [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"

```

#> [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"	"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]	"SQUAREM"	"StanHeaders"	"statmod"
#> [316]	"stringi"	"stringr"	"styler"
#> [319]	"symSEM"	"sys"	"systemfonts"
#> [322]	"tensorA"	"testthat"	"texreg"
#> [325]	"textshaping"	"tibble"	"tidymodels"
#> [328]	"tidyr"	"tidyselect"	"tidyverse"
#> [331]	"timechange"	"timeDate"	"tinytex"
#> [334]	"tune"	"tzdb"	"ucminf"
#> [337]	"unigd"	"urlchecker"	"usethis"
#> [340]	"utf8"	"uuid"	"V8"
#> [343]	"vctrs"	"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/>