

Session Info

Ivan Jacob Agaloos Pesigan

Session

```
sessionInfo()

#> 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-p0.3.20.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_0.0.13
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.5.0  R6_2.5.1          lubridate_1.9.3  xfun_0.45
#> [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_1.0.12       RefManageR_1.4.0 rlang_1.1.4
#> [25] jsonlite_1.8.8   stringi_1.8.4

```

Packages

```

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

#> [1] "fitCTVARMx"      "knitr"           "metaVAR"         "pkgdown"
#> [5] "RcppParallel"   "rProject"        "abind"           "arrow"
#> [9] "ash"            "AsioHeaders"     "askpass"         "assertthat"
#> [13] "backports"       "base64enc"       "betaDelta"       "betaMC"
#> [17] "betaNB"         "betaSandwich"    "BH"              "bibtex"
#> [21] "BiocManager"    "bit"             "bit64"           "bitops"

```

```

#> [25] "blob"          "brew"          "brio"          "broom"
#> [29] "bslib"         "cachem"        "callr"         "car"
#> [33] "caracas"       "carData"       "cellranger"    "cfr"
#> [37] "checkmate"     "cli"           "clipr"         "clock"
#> [41] "coda"          "c0de"          "collections"   "colorspace"
#> [45] "commonmark"    "conflicted"    "corpcor"       "covr"
#> [49] "cowplot"       "cpp11"         "crayon"        "credentials"
#> [53] "crosstalk"     "cTMed"         "ctsem"         "curl"
#> [57] "cyclocomp"     "data.table"    "DBI"           "dbplyr"
#> [61] "Deriv"         "desc"          "deSolve"       "devtools"
#> [65] "diagram"       "dials"         "DiceDesign"    "diffobj"
#> [69] "digest"        "distributional" "distro"        "doBy"
#> [73] "docopt"        "doFuture"      "downlit"       "dplyr"
#> [77] "DT"            "dtplyr"        "duckdb"        "dynr"
#> [81] "dynUtils"      "ellipse"       "ellipsis"      "evaluate"
#> [85] "expm"          "fansI"         "farver"        "fastDummies"
#> [89] "fastmap"       "fclust"        "fda"           "fdrtool"
#> [93] "fds"           "fitDTVARmx"    "FNN"           "fontawesome"
#> [97] "forcats"       "foreach"       "Formula"       "fs"
#> [101] "fst"           "fstcore"       "furrr"         "future"
#> [105] "future.apply"  "gargle"        "generics"      "gert"
#> [109] "ggplot2"       "ggrepel"       "gh"            "gitcreds"
#> [113] "glasso"        "glmnet"        "globals"       "glue"
#> [117] "googledrive"   "googlesheets4" "gower"         "GPArotation"
#> [121] "GPfit"         "gridExtra"     "gsubfn"        "gtable"
#> [125] "gtools"        "hardhat"       "haven"         "hdcrcde"
#> [129] "here"          "highr"         "Hmisc"         "hms"

```

```

#> [133] "htmlTable"      "htmltools"      "htmlwidgets"    "httpgd"
#> [137] "httpuv"         "httr"           "httr2"          "ids"
#> [141] "ifaTools"       "igraph"         "infer"          "ini"
#> [145] "inline"         "ipred"          "isoband"        "iterators"
#> [149] "jomo"           "jpeg"           "jquerylib"       "jsonlite"
#> [153] "jsonvalidate"   "kernlab"        "knitr"          "ks"
#> [157] "labeling"       "Lahman"         "languageserver" "later"
#> [161] "latex2exp"      "lava"           "lavaan"         "lazyeval"
#> [165] "lhs"            "lifecycle"      "lintr"          "listenv"
#> [169] "littler"        "lme4"           "locfit"         "longMI"
#> [173] "loo"            "lubridate"      "magick"         "magrittr"
#> [177] "markdown"       "MatrixModels"   "matrixStats"    "mclust"
#> [181] "memoise"        "metaSEM"        "metaVAR"        "mice"
#> [185] "microbenchmark" "mime"           "miniUI"         "minqa"
#> [189] "mitml"          "mize"           "mnormt"         "modeldata"
#> [193] "modelenv"       "modelr"         "MplusAutomation" "multicool"
#> [197] "munsell"        "mvtnorm"        "nloptr"         "numDeriv"
#> [201] "nycflights13"   "OpenMx"         "openssl"        "ordinal"
#> [205] "pan"            "pander"         "parallelly"     "parsnip"
#> [209] "patchwork"      "pbapply"        "pbivnorm"       "pbkrtest"
#> [213] "pcaPP"          "pdftools"       "pillar"         "pkgbuild"
#> [217] "pkgconfig"      "pkgdown"        "pkgload"        "plogr"
#> [221] "plyr"           "png"            "posterior"      "pracma"
#> [225] "praise"         "prettyunits"    "printr"         "processx"
#> [229] "prodlim"        "profvis"        "progress"       "progressr"
#> [233] "promises"       "proto"          "ps"             "psych"
#> [237] "purrr"          "qgraph"         "qpdf"           "quadprog"

```

#> [241]	"quantreg"	"quarto"	"QuickJSR"	"R.cache"
#> [245]	"R.methodsS3"	"R.oo"	"R.utils"	"R6"
#> [249]	"ragg"	"rainbow"	"rappdirs"	"rbibutils"
#> [253]	"rcmdcheck"	"RColorBrewer"	"Rcpp"	"RcppArmadillo"
#> [257]	"RcppEigen"	"RcppGSL"	"RcppParallel"	"RcppTOML"
#> [261]	"RCurl"	"Rdpack"	"readr"	"readxl"
#> [265]	"recipes"	"RefManageR"	"rematch"	"rematch2"
#> [269]	"remotes"	"reprex"	"reshape2"	"reticulate"
#> [273]	"rex"	"rhub"	"rlang"	"RMariaDB"
#> [277]	"rmarkdown"	"roxygen2"	"rpf"	"RPostgres"
#> [281]	"rProject"	"rprojroot"	"rsample"	"RSQLite"
#> [285]	"rstan"	"rstantools"	"rstudioapi"	"rversions"
#> [289]	"rvest"	"Ryacas"	"sass"	"scales"
#> [293]	"selectr"	"semlbci"	"semmcci"	"sessioninfo"
#> [297]	"shape"	"shiny"	"simStateSpace"	"slider"
#> [301]	"snow"	"snowfall"	"sourcetools"	"SparseM"
#> [305]	"SQUAREM"	"StanHeaders"	"statmod"	"stringi"
#> [309]	"stringr"	"styler"	"symSEM"	"sys"
#> [313]	"systemfonts"	"tensorA"	"testthat"	"texreg"
#> [317]	"textshaping"	"tibble"	"tidymodels"	"tidyr"
#> [321]	"tidyselect"	"tidyverse"	"timechange"	"timeDate"
#> [325]	"tinytex"	"tune"	"tzdb"	"ucminf"
#> [329]	"unigd"	"urlchecker"	"usethis"	"utf8"
#> [333]	"uuid"	"V8"	"vctrs"	"viridis"
#> [337]	"viridisLite"	"vroom"	"waldo"	"warp"
#> [341]	"whisker"	"whoami"	"withr"	"workflows"
#> [345]	"workflowsets"	"xfun"	"xml2"	"xmlparsedata"

```
#> [349] "xopen"          "xtable"          "yaml"            "yardstick"
#> [353] "zip"            "base"            "boot"            "class"
#> [357] "cluster"        "codetools"        "compiler"        "datasets"
#> [361] "foreign"        "graphics"        "grDevices"       "grid"
#> [365] "KernSmooth"    "lattice"         "MASS"            "Matrix"
#> [369] "methods"        "mgcv"            "nlme"            "nnet"
#> [373] "parallel"       "rpart"           "spatial"         "splines"
#> [377] "stats"          "stats4"          "survival"        "tcltk"
#> [381] "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/>