

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_0.0.14
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.5.0  R6_2.5.1          lubridate_1.9.3  xfun_0.46
#> [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_1.0.13       RefManageR_1.4.0 rlang_1.1.4
#> [25] jsonlite_1.8.8   stringi_1.8.4

```

Packages

```

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

#> [1] "cfr"      "metaVAR"      "rProject"      "abind"
#> [5] "arrow"    "ash"          "AsioHeaders"   "askpass"
#> [9] "assertthat" "backports"    "base64enc"     "betaDelta"
#> [13] "betaMC"    "betaNB"       "betaSandwich"  "BH"
#> [17] "bibtex"    "BiocManager"  "bit"           "bit64"
#> [21] "bitops"    "blob"         "brew"          "brio"

```

```

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

```

```

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

```

```

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

```

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