Session Info

Ivan Jacob Agaloos Pesigan

Session

```r
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/libopenblasp-r0.3.20.so;  LAPACK version 3.10.
#>
#> 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_0.46
#>  [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] "devtools"      "gert"          "httr2"         "metaVAR"
#>  [5] "quarto"        "Rcpp"          "rProject"      "tinytex"
#>  [9] "xfun"          "abind"         "arrow"         "ash"
#> [13] "AsioHeaders"   "askpass"       "assertthat"    "backports"
#> [17] "base64enc"     "betaDelta"     "betaMC"        "betaNB"
#> [21] "betaSandwich"  "BH"            "bibtex"        "BiocManager"
```

```
#>   [25] "bit"             "bit64"           "bitops"          "blob"
#>   [29] "brew"            "brio"            "broom"           "bslib"
#>   [33] "cachem"          "callr"           "car"             "caracas"
#>   [37] "carData"         "cellranger"      "cffr"            "checkmate"
#>   [41] "cli"             "clipr"           "clock"           "coda"
#>   [45] "cOde"            "collections"     "colorspace"      "commonmark"
#>   [49] "conflicted"      "corpcor"         "covr"            "cowplot"
#>   [53] "cpp11"           "crayon"          "credentials"     "crosstalk"
#>   [57] "cTMed"           "ctsem"           "curl"            "cyclocomp"
#>   [61] "data.table"      "DBI"             "dbplyr"          "Deriv"
#>   [65] "desc"            "deSolve"         "devtools"        "diagram"
#>   [69] "dials"           "DiceDesign"      "diffobj"         "digest"
#>   [73] "distributional"  "distro"          "doBy"            "docopt"
#>   [77] "doFuture"        "downlit"         "dplyr"           "DT"
#>   [81] "dtplyr"          "duckdb"          "dynr"            "dynUtils"
#>   [85] "ellipse"         "ellipsis"        "evaluate"        "expm"
#>   [89] "fansi"           "farver"          "fastDummies"     "fastmap"
#>   [93] "fclust"          "fda"             "fdrtool"         "fds"
#>   [97] "fitCTVARMx"      "fitDTVARMx"      "FNN"             "fontawesome"
#>  [101] "forcats"         "foreach"         "Formula"         "fs"
#>  [105] "fst"             "fstcore"         "furrr"           "future"
#>  [109] "future.apply"    "gargle"          "generics"        "gert"
#>  [113] "ggplot2"         "ggrepel"         "gh"              "gitcreds"
#>  [117] "glasso"          "glmnet"          "globals"         "glue"
#>  [121] "googledrive"     "googlesheets4"   "gower"           "GPArotation"
#>  [125] "GPfit"           "gridExtra"       "gsubfn"          "gtable"
#>  [129] "gtools"          "hardhat"         "haven"           "hdrcde"
```

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

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

```
#> [349] "workflowsets"   "xfun"         "xml2"         "xmlparsedata"
#> [353] "xopen"          "xtable"       "yaml"         "yardstick"
#> [357] "zip"            "base"         "boot"         "class"
#> [361] "cluster"        "codetools"    "compiler"     "datasets"
#> [365] "foreign"        "graphics"     "grDevices"    "grid"
#> [369] "KernSmooth"     "lattice"      "MASS"         "Matrix"
#> [373] "methods"        "mgcv"         "nlme"         "nnet"
#> [377] "parallel"       "rpart"        "spatial"      "splines"
#> [381] "stats"          "stats4"       "survival"     "tcltk"
#> [385] "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/