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_0.45
#>  [5] magrittr_2.0.3   glue_1.7.0       stringr_1.5.1    knitr_1.47
#>  [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] "metaVAR"       "rProject"      "abind"         "arrow"
#>  [5] "ash"           "AsioHeaders"   "askpass"       "assertthat"
#>  [9] "backports"     "base64enc"     "betaDelta"     "betaMC"
#> [13] "betaNB"        "betaSandwich"  "BH"            "bibtex"
#> [17] "BiocManager"   "bit"           "bit64"         "bitops"
#> [21] "blob"          "brew"          "brio"          "broom"
```

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

```
#> [133] "httr2"          "ids"            "ifaTools"       "igraph"
#> [137] "infer"          "ini"            "inline"         "ipred"
#> [141] "isoband"        "iterators"      "jomo"           "jpeg"
#> [145] "jquerylib"      "jsonlite"       "jsonvalidate"   "kernlab"
#> [149] "knitr"          "ks"             "labeling"       "Lahman"
#> [153] "languageserver" "later"          "latex2exp"      "lava"
#> [157] "lavaan"         "lazyeval"       "lhs"            "lifecycle"
#> [161] "lintr"          "listenv"        "littler"        "lme4"
#> [165] "locfit"         "longMI"         "loo"            "lubridate"
#> [169] "magick"         "magrittr"       "markdown"       "MatrixModels"
#> [173] "matrixStats"    "mclust"         "memoise"        "metaSEM"
#> [177] "mice"           "microbenchmark" "mime"           "miniUI"
#> [181] "minqa"          "mitml"          "mize"           "mnormt"
#> [185] "modeldata"      "modelenv"       "modelr"         "MplusAutomation"
#> [189] "multicool"      "munsell"        "mvtnorm"        "nloptr"
#> [193] "numDeriv"       "nycflights13"   "OpenMx"         "openssl"
#> [197] "ordinal"        "pan"            "pander"         "parallelly"
#> [201] "parsnip"        "patchwork"      "pbapply"        "pbivnorm"
#> [205] "pbkrtest"       "pcaPP"          "pdftools"       "pillar"
#> [209] "pkgbuild"       "pkgconfig"      "pkgdown"        "pkgload"
#> [213] "plogr"          "plyr"           "png"            "posterior"
#> [217] "pracma"         "praise"         "prettyunits"    "printr"
#> [221] "processx"       "prodlim"        "profvis"        "progress"
#> [225] "progressr"      "promises"       "proto"          "ps"
#> [229] "psych"          "purrr"          "qgraph"         "qpdf"
#> [233] "quadprog"       "quantreg"       "quarto"         "QuickJSR"
#> [237] "R.cache"        "R.methodsS3"    "R.oo"           "R.utils"
```

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

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