Session Info

Ivan Jacob Agaloos Pesigan

Session

```r
sessionInfo()
```

```
#> R version 4.5.1 (2025-06-13)
#> Platform: x86_64-pc-linux-gnu
#> Running under: Ubuntu 24.04.3 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-r0.3.26.so;  LAPACK version 3.12.
#>
#> 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_0.0.21
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.6.1         lubridate_1.9.4  xfun_0.53
#>  [5] magrittr_2.0.4   glue_1.8.0       stringr_1.5.2    knitr_1.50
#>  [9] timechange_0.3.0 generics_0.1.4   lifecycle_1.0.4  xml2_1.4.0
#> [13] cli_3.6.5.9000   bibtex_0.5.1     compiler_4.5.1   highr_0.11
#> [17] rprojroot_2.1.1  plyr_1.8.9       httr_1.4.7       tools_4.5.1
#> [21] evaluate_1.0.5   Rcpp_1.1.0       RefManageR_1.4.0 rlang_1.1.6
#> [25] jsonlite_2.0.0   stringi_1.8.7
```

Packages

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

#>   [1] "cTMed"          "rProject"       "rversions"
#>   [4] "textshaping"    "V8"             "abind"
#>   [7] "Amelia"         "arm"            "arrow"
#>  [10] "ash"            "askpass"        "assertthat"
#>  [13] "backports"      "base64enc"      "betaDelta"
#>  [16] "betaMC"         "betaNB"         "betaSandwich"
```

```
#>  [19] "BH"            "bibtex"          "BiocManager"
#>  [22] "bit"           "bit64"           "bitops"
#>  [25] "blob"          "bootStateSpace"  "brew"
#>  [28] "brio"          "broom"           "bslib"
#>  [31] "cachem"        "callr"           "car"
#>  [34] "caracas"       "carData"         "cellranger"
#>  [37] "cffr"          "checkmate"       "cli"
#>  [40] "clipr"         "clock"           "clusterGeneration"
#>  [43] "coda"          "cOde"            "collections"
#>  [46] "colorspace"    "commonmark"      "conflicted"
#>  [49] "corpcor"       "covr"            "cowplot"
#>  [52] "cpp11"         "crayon"          "credentials"
#>  [55] "crosstalk"     "cTMed"           "ctsem"
#>  [58] "curl"          "data.table"      "DBI"
#>  [61] "dbplyr"        "Deriv"           "desc"
#>  [64] "deSolve"       "devtools"        "diagram"
#>  [67] "dials"         "DiceDesign"      "diffobj"
#>  [70] "digest"        "distributional"  "distro"
#>  [73] "doBy"          "docopt"          "downlit"
#>  [76] "dplyr"         "DT"              "dtplyr"
#>  [79] "duckdb"        "dynr"            "dynUtils"
#>  [82] "ellipse"       "ellipsis"        "evaluate"
#>  [85] "expm"          "fansi"           "farver"
#>  [88] "fastDummies"   "fastmap"         "fclust"
#>  [91] "fda"           "fdrtool"         "fds"
#>  [94] "fitDTVARMx"    "FNN"             "fontawesome"
#>  [97] "forcats"       "foreach"         "Formula"
```

```
#> [100] "fs"              "fst"             "fstcore"
#> [103] "furrr"           "future"          "future.apply"
#> [106] "gargle"          "generics"        "gert"
#> [109] "ggplot2"         "ggrepel"         "gh"
#> [112] "gitcreds"        "glasso"          "glmnet"
#> [115] "globals"         "glue"            "googledrive"
#> [118] "googlesheets4"   "gower"           "GPArotation"
#> [121] "GPfit"           "graphicalVAR"    "gridExtra"
#> [124] "gsubfn"          "gtable"          "gtools"
#> [127] "hardhat"         "haven"           "hdrcde"
#> [130] "here"            "highr"           "Hmisc"
#> [133] "hms"             "htmlTable"       "htmltools"
#> [136] "htmlwidgets"     "httpuv"          "httr"
#> [139] "httr2"           "ids"             "ifaTools"
#> [142] "igraph"          "infer"           "ini"
#> [145] "inline"          "ipred"           "isoband"
#> [148] "iterators"       "jomo"            "jpeg"
#> [151] "jquerylib"       "jsonlite"        "jsonvalidate"
#> [154] "kernlab"         "knitr"           "ks"
#> [157] "labeling"        "Lahman"          "languageserver"
#> [160] "later"           "latex2exp"       "lava"
#> [163] "lavaan"          "lazyeval"        "lhs"
#> [166] "lifecycle"       "lintr"           "listenv"
#> [169] "litedown"        "littler"         "lme4"
#> [172] "locfit"          "longMI"          "loo"
#> [175] "lubridate"       "magick"          "magrittr"
#> [178] "markdown"        "MatrixModels"    "matrixStats"
```

```
#> [181] "mclust"         "memoise"          "metaSEM"
#> [184] "metaVAR"        "mice"             "microbenchmark"
#> [187] "mime"           "miniUI"           "minqa"
#> [190] "mitml"          "mize"             "mlVAR"
#> [193] "mnormt"         "modeldata"        "modelenv"
#> [196] "modelr"         "MplusAutomation"  "multicool"
#> [199] "mvtnorm"        "nloptr"           "numDeriv"
#> [202] "nycflights13"   "OpenMx"           "openssl"
#> [205] "ordinal"        "pan"              "pander"
#> [208] "parallelly"     "parsnip"          "patchwork"
#> [211] "pbapply"        "pbivnorm"         "pbkrtest"
#> [214] "pcaPP"          "pdftools"         "pillar"
#> [217] "pkgbuild"       "pkgconfig"        "pkgdown"
#> [220] "pkgload"        "plogr"            "plyr"
#> [223] "png"            "posterior"        "pracma"
#> [226] "praise"         "prettyunits"      "printr"
#> [229] "processx"       "prodlim"          "profvis"
#> [232] "progress"       "progressr"        "promises"
#> [235] "proto"          "ps"               "psych"
#> [238] "purrr"          "qgraph"           "qpdf"
#> [241] "quadprog"       "quantreg"         "quarto"
#> [244] "QuickJSR"       "R.cache"          "R.methodsS3"
#> [247] "R.oo"           "R.utils"          "R2jags"
#> [250] "R2WinBUGS"      "R6"               "ragg"
#> [253] "rainbow"        "rappdirs"         "rbibutils"
#> [256] "rcmdcheck"      "RColorBrewer"     "Rcpp"
#> [259] "RcppArmadillo"  "RcppEigen"        "RcppGSL"
```

```
#> [262] "RcppParallel"      "RcppTOML"         "RCurl"
#> [265] "Rdpack"            "readr"            "readxl"
#> [268] "recipes"           "RefManageR"       "reformulas"
#> [271] "rematch"           "rematch2"         "remotes"
#> [274] "reprex"            "reshape2"         "reticulate"
#> [277] "rex"               "rhub"             "rjags"
#> [280] "rlang"             "RMariaDB"         "rmarkdown"
#> [283] "roxygen2"          "rpf"              "RPostgres"
#> [286] "rProject"          "rprojroot"        "rsample"
#> [289] "RSQLite"           "rstan"            "rstantools"
#> [292] "rstudioapi"        "rversions"        "rvest"
#> [295] "Ryacas"            "S7"               "sass"
#> [298] "scales"            "selectr"          "semlbci"
#> [301] "semmcci"           "sessioninfo"      "sfd"
#> [304] "shape"             "shiny"            "simStateSpace"
#> [307] "slider"            "snow"             "snowfall"
#> [310] "sourcetools"       "SparseM"          "sparsevctrs"
#> [313] "SQUAREM"           "StanHeaders"      "stringi"
#> [316] "stringr"           "styler"           "symSEM"
#> [319] "sys"               "systemfonts"      "tailor"
#> [322] "tensorA"           "testthat"         "texreg"
#> [325] "textshaping"       "tibble"           "tidymodels"
#> [328] "tidyr"             "tidyselect"       "tidyverse"
#> [331] "timechange"        "timeDate"         "tinytex"
#> [334] "tune"              "tzdb"             "ucminf"
#> [337] "urlchecker"        "usethis"          "utf8"
#> [340] "uuid"              "V8"               "vctrs"
```

```
#> [343] "viridis"        "viridisLite"    "vroom"
#> [346] "waldo"          "warp"           "whisker"
#> [349] "whoami"         "withr"          "workflows"
#> [352] "workflowsets"   "xfun"           "xml2"
#> [355] "xmlparsedata"   "xopen"          "xtable"
#> [358] "yaml"           "yardstick"      "zip"
#> [361] "base"           "boot"           "class"
#> [364] "cluster"        "codetools"      "compiler"
#> [367] "datasets"       "foreign"        "graphics"
#> [370] "grDevices"      "grid"           "KernSmooth"
#> [373] "lattice"        "MASS"           "Matrix"
#> [376] "methods"        "mgcv"           "nlme"
#> [379] "nnet"           "parallel"       "rpart"
#> [382] "spatial"        "splines"        "stats"
#> [385] "stats4"         "survival"       "tcltk"
#> [388] "tools"          "utils"
```

References

R Core Team. (2025). *R: A language and environment for statistical computing.* R Foundation for Statistical Computing. Vienna, Austria. https://www.R-project.org/