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"          "abind"          "Amelia"
#>   [4] "arm"            "arrow"          "ash"
#>   [7] "askpass"        "assertthat"     "backports"
#>  [10] "base64enc"      "betaDelta"      "betaMC"
#>  [13] "betaNB"         "betaSandwich"   "BH"
#>  [16] "bibtex"         "BiocManager"    "bit"
```

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

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

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

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

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