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_1.4.1
#> [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

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

```
#>   [1] "fitDTVARMxID"     "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] "otel"              "pan"              "pander"
#> [205] "parallelly"        "parsnip"          "patchwork"
#> [208] "pbapply"           "pbivnorm"         "pbkrtest"
#> [211] "pcaPP"             "pdftools"         "pillar"
#> [214] "pkgbuild"          "pkgconfig"        "pkgdown"
#> [217] "pkgload"           "plogr"            "plyr"
#> [220] "png"               "posterior"        "pracma"
#> [223] "praise"            "prettyunits"      "printr"
#> [226] "processx"          "prodlim"          "profvis"
#> [229] "progress"          "progressr"        "promises"
#> [232] "proto"             "ps"               "psych"
#> [235] "purrr"             "qgraph"           "qpdf"
#> [238] "quadprog"          "quantreg"         "quarto"
#> [241] "QuickJSR"          "R.cache"          "R.methodsS3"
#> [244] "R.oo"              "R.utils"          "R2jags"
```

```
#> [247] "R2WinBUGS"       "R6"              "ragg"
#> [250] "rainbow"         "rappdirs"        "rbibutils"
#> [253] "rcmdcheck"       "RColorBrewer"    "Rcpp"
#> [256] "RcppArmadillo"   "RcppEigen"       "RcppGSL"
#> [259] "RcppParallel"    "RcppTOML"        "RCurl"
#> [262] "Rdpack"          "readr"           "readxl"
#> [265] "recipes"         "RefManageR"      "reformulas"
#> [268] "rematch"         "rematch2"        "remotes"
#> [271] "reprex"          "reshape2"        "reticulate"
#> [274] "rex"             "rhub"            "rjags"
#> [277] "rlang"           "RMariaDB"        "rmarkdown"
#> [280] "roxygen2"        "rpf"             "RPostgres"
#> [283] "rProject"        "rprojroot"       "rsample"
#> [286] "RSQLite"         "rstan"           "rstantools"
#> [289] "rstudioapi"      "rversions"       "rvest"
#> [292] "Ryacas"          "S7"              "sass"
#> [295] "scales"          "selectr"         "semlbci"
#> [298] "semmcci"         "sessioninfo"     "sfd"
#> [301] "shape"           "shiny"           "simStateSpace"
#> [304] "slider"          "snow"            "snowfall"
#> [307] "sourcetools"     "SparseM"         "sparsevctrs"
#> [310] "SQUAREM"         "StanHeaders"     "stringi"
#> [313] "stringr"         "styler"          "symSEM"
#> [316] "sys"             "systemfonts"     "tailor"
#> [319] "tensorA"         "testthat"        "texreg"
#> [322] "textshaping"     "tibble"          "tidymodels"
#> [325] "tidyr"           "tidyselect"      "tidyverse"
#> [328] "timechange"      "timeDate"        "tinytex"
#> [331] "tune"            "tzdb"            "ucminf"
#> [334] "urlchecker"      "usethis"         "utf8"
#> [337] "uuid"            "V8"              "vctrs"
#> [340] "viridisLite"     "vroom"           "waldo"
#> [343] "warp"            "whisker"         "whoami"
#> [346] "withr"           "workflows"       "workflowsets"
#> [349] "xfun"            "xml2"            "xmlparsedata"
#> [352] "xopen"           "xtable"          "yaml"
#> [355] "yardstick"       "zip"             "base"
#> [358] "boot"            "class"           "cluster"
#> [361] "codetools"       "compiler"        "datasets"
#> [364] "foreign"         "graphics"        "grDevices"
#> [367] "grid"            "KernSmooth"      "lattice"
#> [370] "MASS"            "Matrix"          "methods"
#> [373] "mgcv"            "nlme"            "nnet"
#> [376] "parallel"        "rpart"           "spatial"
#> [379] "splines"         "stats"           "stats4"
```

```
#> [382] "survival"        "tcltk"            "tools"
#> [385] "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/