Session Info

Ivan Jacob Agaloos Pesigan

Session

```r
sessionInfo()
```

```
#> R version 4.4.2 (2024-10-31)
#> Platform: x86_64-pc-linux-gnu
#> Running under: Ubuntu 24.04.1 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_0.0.18
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.5.1          lubridate_1.9.4  xfun_0.50
#>  [5] magrittr_2.0.3   glue_1.8.0        stringr_1.5.1    knitr_1.49
#>  [9] timechange_0.3.0 generics_0.1.3   lifecycle_1.0.4  xml2_1.3.6
#> [13] cli_3.6.3.9002   bibtex_0.5.1     compiler_4.4.2   highr_0.11
#> [17] rprojroot_2.0.4  plyr_1.8.9       httr_1.4.7       tools_4.4.2
#> [21] evaluate_1.0.3   Rcpp_1.0.14      RefManageR_1.4.0 rlang_1.1.5
```

```
#> [25] jsonlite_1.8.9   stringi_1.8.4
```

Packages

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

#>   [1] "rProject"           "simStateSpace"     "abind"
#>   [4] "Amelia"             "arm"               "arrow"
#>   [7] "ash"                "AsioHeaders"       "askpass"
#>  [10] "assertthat"         "backports"         "base64enc"
#>  [13] "betaDelta"          "betaMC"            "betaNB"
#>  [16] "betaSandwich"       "BH"                "bibtex"
#>  [19] "BiocManager"        "bit"               "bit64"
#>  [22] "bitops"             "blob"              "bootStateSpace"
#>  [25] "brew"               "brio"              "broom"
#>  [28] "bslib"              "cachem"            "callr"
#>  [31] "car"                "caracas"           "carData"
#>  [34] "cellranger"         "cffr"              "checkmate"
#>  [37] "cli"                "clipr"             "clock"
#>  [40] "clusterGeneration"  "coda"              "cOde"
#>  [43] "collections"        "colorspace"        "commonmark"
#>  [46] "conflicted"         "corpcor"           "covr"
#>  [49] "cowplot"            "cpp11"             "crayon"
#>  [52] "credentials"        "crosstalk"         "cTMed"
#>  [55] "ctsem"              "curl"              "cyclocomp"
#>  [58] "data.table"         "DBI"               "dbplyr"
#>  [61] "Deriv"              "desc"              "deSolve"
#>  [64] "devtools"           "diagram"           "dials"
#>  [67] "DiceDesign"         "diffobj"           "digest"
#>  [70] "distributional"     "distro"            "doBy"
#>  [73] "docopt"             "doFuture"          "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] "fitCTVARMx"         "fitDTVARMx"        "FNN"
#>  [97] "fontawesome"        "forcats"           "foreach"
#> [100] "Formula"            "fs"                "fst"
#> [103] "fstcore"            "furrr"             "future"
#> [106] "future.apply"       "gargle"            "generics"
#> [109] "gert"               "ggplot2"           "ggrepel"
```

```
#> [112] "gh"              "gitcreds"        "glasso"
#> [115] "glmnet"          "globals"         "glue"
#> [118] "googledrive"     "googlesheets4"   "gower"
#> [121] "GPArotation"     "GPfit"           "graphicalVAR"
#> [124] "gridExtra"       "gsubfn"          "gtable"
#> [127] "gtools"          "hardhat"         "haven"
#> [130] "hdrcde"          "here"            "highr"
#> [133] "Hmisc"           "hms"             "htmlTable"
#> [136] "htmltools"       "htmlwidgets"     "httpgd"
#> [139] "httpuv"          "httr"            "httr2"
#> [142] "ids"             "ifaTools"        "igraph"
#> [145] "infer"           "ini"             "inline"
#> [148] "ipred"           "isoband"         "iterators"
#> [151] "jomo"            "jpeg"            "jquerylib"
#> [154] "jsonlite"        "jsonvalidate"    "kernlab"
#> [157] "knitr"           "ks"              "labeling"
#> [160] "Lahman"          "languageserver"  "later"
#> [163] "latex2exp"       "lava"            "lavaan"
#> [166] "lazyeval"        "lhs"             "lifecycle"
#> [169] "lintr"           "listenv"         "littler"
#> [172] "lme4"            "locfit"          "longMI"
#> [175] "loo"             "lubridate"       "magick"
#> [178] "magrittr"        "markdown"        "MatrixModels"
#> [181] "matrixStats"     "mclust"          "memoise"
#> [184] "metaSEM"         "metaVAR"         "mice"
#> [187] "microbenchmark"  "mime"            "miniUI"
#> [190] "minqa"           "mitml"           "mize"
#> [193] "mlVAR"           "mnormt"          "modeldata"
#> [196] "modelenv"        "modelr"          "MplusAutomation"
#> [199] "multicool"       "munsell"         "mvtnorm"
#> [202] "nloptr"          "numDeriv"        "nycflights13"
#> [205] "OpenMx"          "openssl"         "ordinal"
#> [208] "pan"             "pander"          "parallelly"
#> [211] "parsnip"         "patchwork"       "pbapply"
#> [214] "pbivnorm"        "pbkrtest"        "pcaPP"
#> [217] "pdftools"        "pillar"          "pkgbuild"
#> [220] "pkgconfig"       "pkgdown"         "pkgload"
#> [223] "plogr"           "plyr"            "png"
#> [226] "posterior"       "pracma"          "praise"
#> [229] "prettyunits"     "printr"          "processx"
#> [232] "prodlim"         "profvis"         "progress"
#> [235] "progressr"       "promises"        "proto"
#> [238] "ps"              "psych"           "purrr"
#> [241] "qgraph"          "qpdf"            "quadprog"
#> [244] "quantreg"        "quarto"          "QuickJSR"
```

```
#> [247] "R.cache"        "R.methodsS3"      "R.oo"
#> [250] "R.utils"        "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"         "sass"             "scales"
#> [298] "selectr"        "semlbci"          "semmcci"
#> [301] "sessioninfo"    "sfd"              "shape"
#> [304] "shiny"          "simStateSpace"    "slider"
#> [307] "snow"           "snowfall"         "sourcetools"
#> [310] "SparseM"        "sparsevctrs"      "SQUAREM"
#> [313] "StanHeaders"    "statmod"          "stringi"
#> [316] "stringr"        "styler"           "symSEM"
#> [319] "sys"            "systemfonts"      "tensorA"
#> [322] "testthat"       "texreg"           "textshaping"
#> [325] "tibble"         "tidymodels"       "tidyr"
#> [328] "tidyselect"     "tidyverse"        "timechange"
#> [331] "timeDate"       "tinytex"          "tune"
#> [334] "tzdb"           "ucminf"           "unigd"
#> [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. (2024). *R: A language and environment for statistical computing.* R Foundation for Statistical Computing. Vienna, Austria. https://www.R-project.org/