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_0.0.14
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.5.1         lubridate_1.9.3  xfun_0.48
#>  [5] magrittr_2.0.3   glue_1.8.0       stringr_1.5.1    knitr_1.48
#>  [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_1.0.1   Rcpp_1.0.13      RefManageR_1.4.0 rlang_1.1.4
#> [25] jsonlite_1.8.9   stringi_1.8.4
```

Packages

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

#>  [1] "askpass"      "betaNB"       "cli"
#>  [4] "commonmark"   "credentials"  "curl"
#>  [7] "devtools"     "evaluate"     "gert"
#> [10] "glue"         "httr2"        "jsonlite"
#> [13] "openssl"      "pkgdown"      "profvis"
#> [16] "ps"           "rProject"     "rstudioapi"
```

```
#>  [19] "sys"                 "tinytex"           "V8"
#>  [22] "xfun"                "abind"             "arm"
#>  [25] "arrow"               "ash"               "AsioHeaders"
#>  [28] "askpass"             "assertthat"        "backports"
#>  [31] "base64enc"           "betaDelta"         "betaMC"
#>  [34] "betaNB"              "betaSandwich"      "BH"
#>  [37] "bibtex"              "BiocManager"       "bit"
#>  [40] "bit64"               "bitops"            "blob"
#>  [43] "brew"                "brio"              "broom"
#>  [46] "bslib"               "cachem"            "callr"
#>  [49] "car"                 "caracas"           "carData"
#>  [52] "cellranger"          "cffr"              "checkmate"
#>  [55] "cli"                 "clipr"             "clock"
#>  [58] "clusterGeneration"   "coda"              "cOde"
#>  [61] "collections"         "colorspace"        "commonmark"
#>  [64] "conflicted"          "corpcor"           "covr"
#>  [67] "cowplot"             "cpp11"             "crayon"
#>  [70] "credentials"         "crosstalk"         "cTMed"
#>  [73] "ctsem"               "curl"              "cyclocomp"
#>  [76] "data.table"          "DBI"               "dbplyr"
#>  [79] "Deriv"               "desc"              "deSolve"
#>  [82] "devtools"            "diagram"           "dials"
#>  [85] "DiceDesign"          "diffobj"           "digest"
#>  [88] "distributional"      "distro"            "doBy"
#>  [91] "docopt"              "doFuture"          "downlit"
#>  [94] "dplyr"               "DT"                "dtplyr"
#>  [97] "duckdb"              "dynr"              "dynUtils"
```

```
#> [100] "ellipse"         "ellipsis"          "evaluate"
#> [103] "expm"            "fansi"             "farver"
#> [106] "fastDummies"     "fastmap"           "fclust"
#> [109] "fda"             "fdrtool"           "fds"
#> [112] "fitCTVARMx"      "fitDTVARMx"        "FNN"
#> [115] "fontawesome"     "forcats"           "foreach"
#> [118] "Formula"         "fs"                "fst"
#> [121] "fstcore"         "furrr"             "future"
#> [124] "future.apply"    "gargle"            "generics"
#> [127] "gert"            "ggplot2"           "ggrepel"
#> [130] "gh"              "gitcreds"          "glasso"
#> [133] "glmnet"          "globals"           "glue"
#> [136] "googledrive"     "googlesheets4"     "gower"
#> [139] "GPArotation"     "GPfit"             "graphicalVAR"
#> [142] "gridExtra"       "gsubfn"            "gtable"
#> [145] "gtools"          "hardhat"           "haven"
#> [148] "hdrcde"          "here"              "highr"
#> [151] "Hmisc"           "hms"               "htmlTable"
#> [154] "htmltools"       "htmlwidgets"       "httpgd"
#> [157] "httpuv"          "httr"              "httr2"
#> [160] "ids"             "ifaTools"          "igraph"
#> [163] "infer"           "ini"               "inline"
#> [166] "ipred"           "isoband"           "iterators"
#> [169] "jomo"            "jpeg"              "jquerylib"
#> [172] "jsonlite"        "jsonvalidate"      "kernlab"
#> [175] "knitr"           "ks"                "labeling"
#> [178] "Lahman"          "languageserver"    "later"
```

```
#> [181] "latex2exp"        "lava"          "lavaan"
#> [184] "lazyeval"         "lhs"           "lifecycle"
#> [187] "lintr"            "listenv"       "littler"
#> [190] "lme4"             "locfit"        "longMI"
#> [193] "loo"              "lubridate"     "magick"
#> [196] "magrittr"         "markdown"      "MatrixModels"
#> [199] "matrixStats"      "mclust"        "memoise"
#> [202] "metaSEM"          "metaVAR"       "mice"
#> [205] "microbenchmark"   "mime"          "miniUI"
#> [208] "minqa"            "mitml"         "mize"
#> [211] "mlVAR"            "mnormt"        "modeldata"
#> [214] "modelenv"         "modelr"        "MplusAutomation"
#> [217] "multicool"        "munsell"       "mvtnorm"
#> [220] "nloptr"           "numDeriv"      "nycflights13"
#> [223] "OpenMx"           "openssl"       "ordinal"
#> [226] "pan"              "pander"        "parallelly"
#> [229] "parsnip"          "patchwork"     "pbapply"
#> [232] "pbivnorm"         "pbkrtest"      "pcaPP"
#> [235] "pdftools"         "pillar"        "pkgbuild"
#> [238] "pkgconfig"        "pkgdown"       "pkgload"
#> [241] "plogr"            "plyr"          "png"
#> [244] "posterior"        "pracma"        "praise"
#> [247] "prettyunits"      "printr"        "processx"
#> [250] "prodlim"          "profvis"       "progress"
#> [253] "progressr"        "promises"      "proto"
#> [256] "ps"               "psych"         "purrr"
#> [259] "qgraph"           "qpdf"          "quadprog"
```

```
#> [262] "quantreg"        "quarto"          "QuickJSR"
#> [265] "R.cache"         "R.methodsS3"     "R.oo"
#> [268] "R.utils"         "R6"              "ragg"
#> [271] "rainbow"         "rappdirs"        "rbibutils"
#> [274] "rcmdcheck"       "RColorBrewer"    "Rcpp"
#> [277] "RcppArmadillo"   "RcppEigen"       "RcppGSL"
#> [280] "RcppParallel"    "RcppTOML"        "RCurl"
#> [283] "Rdpack"          "readr"           "readxl"
#> [286] "recipes"         "RefManageR"      "rematch"
#> [289] "rematch2"        "remotes"         "reprex"
#> [292] "reshape2"        "reticulate"      "rex"
#> [295] "rhub"            "rjags"           "rlang"
#> [298] "RMariaDB"        "rmarkdown"       "roxygen2"
#> [301] "rpf"             "RPostgres"       "rProject"
#> [304] "rprojroot"       "rsample"         "RSQLite"
#> [307] "rstan"           "rstantools"      "rstudioapi"
#> [310] "rversions"       "rvest"           "Ryacas"
#> [313] "sass"            "scales"          "selectr"
#> [316] "semlbci"         "semmcci"         "sessioninfo"
#> [319] "sfd"             "shape"           "shiny"
#> [322] "simStateSpace"   "slider"          "snow"
#> [325] "snowfall"        "sourcetools"     "SparseM"
#> [328] "SQUAREM"         "StanHeaders"     "statmod"
#> [331] "stringi"         "stringr"         "styler"
#> [334] "symSEM"          "sys"             "systemfonts"
#> [337] "tensorA"         "testthat"        "texreg"
#> [340] "textshaping"     "tibble"          "tidymodels"
```

```
#> [343] "tidyr"          "tidyselect"     "tidyverse"
#> [346] "timechange"     "timeDate"       "tinytex"
#> [349] "tune"           "tzdb"           "ucminf"
#> [352] "unigd"          "urlchecker"     "usethis"
#> [355] "utf8"           "uuid"           "V8"
#> [358] "vctrs"          "viridis"        "viridisLite"
#> [361] "vroom"          "waldo"          "warp"
#> [364] "whisker"        "whoami"         "withr"
#> [367] "workflows"      "workflowsets"   "xfun"
#> [370] "xml2"           "xmlparsedata"   "xopen"
#> [373] "xtable"         "yaml"           "yardstick"
#> [376] "zip"            "base"           "boot"
#> [379] "class"          "cluster"        "codetools"
#> [382] "compiler"       "datasets"       "foreign"
#> [385] "graphics"       "grDevices"      "grid"
#> [388] "KernSmooth"     "lattice"        "MASS"
#> [391] "Matrix"         "methods"        "mgcv"
#> [394] "nlme"           "nnet"           "parallel"
#> [397] "rpart"          "spatial"        "splines"
#> [400] "stats"          "stats4"         "survival"
#> [403] "tcltk"          "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/