## Session Info

### Ivan Jacob Agaloos Pesigan

#### Session

```
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:
base
#> other attached packages:
#> [1] rProject_0.0.17
#>
#> 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
                                 compiler_4.4.2 highr_0.11 httr_1.4.7 tools_4.4.
#> [13] cli_3.6.3.9002 bibtex_0.5.1
#> [17] rprojroot_2.0.4 plyr_1.8.9
                                                  tools_4.4.2
```

## **Packages**

```
unname(installed.packages()[, 1])
#>
     [1] "bootStateSpace"
                             "abind"
                                                  "Amelia"
     [4] "arm"
                             "arrow"
                                                  "ash"
#>
     [7] "AsioHeaders"
                             "askpass"
                                                  "assertthat"
#>
#> [10] "backports"
                             "base64enc"
                                                  "betaDelta"
                             "betaNB"
#> [13] "betaMC"
                                                 "betaSandwich"
#> [16] "BH"
                             "bibtex"
                                                  "BiocManager"
                                                 "bitops"
#> [19] "bit"
                             "bit64"
                                                 "brio"
#> [22] "blob"
                             "brew"
#> [25] "broom"
                             "bslib"
                                                 "cachem"
#> [28] "callr"
                             "car"
                                                  "caracas"
                             "cellranger"
                                                  "cffr"
#> [31] "carData"
                             "cli"
                                                 "clipr"
#> [34] "checkmate"
                             "clusterGeneration" "coda"
#> [37] "clock"
#> [40] "c0de"
                             "collections"
                                                  "colorspace"
#> [43] "commonmark"
                             "conflicted"
                                                  "corpcor"
#> [46] "covr"
                             "cowplot"
                                                 "cpp11"
#> [49] "crayon"
                             "credentials"
                                                 "crosstalk"
#> [52] "cTMed"
                                                 "curl"
                             "ctsem"
#> [55] "cyclocomp"
                             "data.table"
                                                  "DBI"
#> [58] "dbplyr"
                             "Deriv"
                                                 "desc"
#> [61] "deSolve"
                             "devtools"
                                                 "diagram"
#> [64] "dials"
                             "DiceDesign"
                                                  "diffobj"
#> [67] "digest"
                             "distributional"
                                                  "distro"
#> [70] "doBy"
                             "docopt"
                                                  "doFuture"
                                                 "DT"
#> [73] "downlit"
                             "dplyr"
#> [76] "dtplyr"
                             "dynr"
                                                 "dynUtils"
#> [79] "ellipse"
                             "ellipsis"
                                                  "evaluate"
                             "fansi"
#> [82] "expm"
                                                  "farver"
#> [85] "fastDummies"
                             "fastmap"
                                                  "fclust"
#> [88] "fda"
                             "fdrtool"
                                                  "fds"
#> [91] "fitCTVARMx"
                             "fitDTVARMx"
                                                 "FNN"
#> [94] "fontawesome"
                             "forcats"
                                                 "foreach"
#> [97] "Formula"
                             "fs"
                                                 "fst"
#> [100] "fstcore"
                             "furrr"
                                                  "future"
#> [103] "future.apply"
                             "gargle"
                                                 "generics"
#> [106] "gert"
                             "ggplot2"
                                                  "ggrepel"
#> [109] "gh"
                                                  "glasso"
                             "gitcreds"
```

```
#> [112] "glmnet"
                              "globals"
                                                   "glue"
#> [115] "googledrive"
                              "googlesheets4"
                                                   "gower"
#> [118] "GPArotation"
                              "GPfit"
                                                   "graphicalVAR"
#> [121] "gridExtra"
                                                   "gtable"
                              "gsubfn"
#> [124] "gtools"
                              "hardhat"
                                                   "haven"
#> [127] "hdrcde"
                              "here"
                                                   "highr"
#> [130] "Hmisc"
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                                                   "htmlTable"
#> [133] "htmltools"
                              "htmlwidgets"
                                                   "httpgd"
#> [136] "httpuv"
                              "httr"
                                                   "httr2"
#> [139] "ids"
                              "ifaTools"
                                                   "igraph"
#> [142] "infer"
                              "ini"
                                                   "inline"
#> [145] "ipred"
                              "isoband"
                                                   "iterators"
#> [148] "jomo"
                              "jpeg"
                                                   "jquerylib"
#> [151] "jsonlite"
                              "jsonvalidate"
                                                   "kernlab"
#> [154] "knitr"
                              "ks"
                                                   "labeling"
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#> [160] "latex2exp"
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                                                   "lavaan"
#> [163] "lazyeval"
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                                                   "littler"
#> [169] "lme4"
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                                                   "longMI"
#> [172] "loo"
                              "lubridate"
                                                   "magick"
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                              "mitml"
                                                   "mize"
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                                                   "modeldata"
                                                   "MplusAutomation"
#> [193] "modelenv"
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#> [196] "multicool"
                              "munsell"
                                                   "mvtnorm"
#> [199] "nloptr"
                              "numDeriv"
                                                   "nycflights13"
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#> [205] "pan"
                                                   "parallelly"
#> [208] "parsnip"
                                                   "pbapply"
                              "patchwork"
#> [211] "pbivnorm"
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                              "pbkrtest"
#> [214] "pdftools"
                              "pillar"
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#> [220] "plogr"
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#> [238] "qgraph"
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                                                   "quadprog"
                              "quarto"
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```

```
#> [247] "R.utils"
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#> [256] "RcppArmadillo"
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                                                   "waldo"
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                                                   "lattice"
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                                                   "nnet"
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#> [379] "splines"
                               "stats"
                                                   "stats4"
```

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