

# Session Info

Ivan Jacob Agaloos Pesigan

## Session

```
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/libopenblas-p-r0.3.20.so; LAPACK version 3.10.0
#>
#> 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_0.0.13
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.5.1         lubridate_1.9.3  xfun_0.45
#>  [5] magrittr_2.0.3   glue_1.7.0       stringr_1.5.1    knitr_1.47
#>  [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_0.24.0  Rcpp_1.0.12      RefManageR_1.4.0 rlang_1.1.4
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#> [25] jsonlite_1.8.8 stringi_1.8.4
```

## Packages

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

```
#> [1] "fitDTVARmX"      "pkgload"          "roxygen2"         "rProject"
#> [5] "tinytex"         "abind"            "arrow"            "ash"
#> [9] "AsioHeaders"     "askpass"          "assertthat"       "backports"
#> [13] "base64enc"       "betaDelta"        "betaMC"           "betaNB"
#> [17] "betaSandwich"    "BH"               "bibtex"           "BiocManager"
#> [21] "bit"             "bit64"            "bitops"           "blob"
#> [25] "brew"           "brio"             "broom"            "bslib"
#> [29] "cachem"          "callr"            "car"              "caracas"
#> [33] "carData"         "cellranger"       "cfrfr"            "checkmate"
#> [37] "cli"             "clipr"            "clock"            "coda"
#> [41] "c0de"            "collections"      "colorspace"       "commonmark"
#> [45] "conflicted"      "corpcor"          "covr"             "cowplot"
#> [49] "cpp11"           "crayon"           "credentials"       "crosstalk"
#> [53] "cTMed"           "ctsem"            "curl"             "cyclocomp"
#> [57] "data.table"      "DBI"              "dbplyr"           "Deriv"
#> [61] "desc"            "deSolve"          "devtools"         "diagram"
#> [65] "dials"           "DiceDesign"       "diffobj"          "digest"
#> [69] "distributional"  "distrib"          "doBy"             "docopt"
#> [73] "doFuture"        "downlit"          "dplyr"            "DT"
#> [77] "dtplyr"          "duckdb"           "dynr"             "dynUtils"
#> [81] "ellipse"         "ellipsoids"       "evaluate"          "expm"
#> [85] "fansi"           "farver"           "fastDummies"      "fastmap"
#> [89] "fclust"          "fda"              "fdrtool"          "fds"
#> [93] "FNN"             "fontawesome"      "forcats"          "foreach"
#> [97] "Formula"         "fs"               "fst"              "fstcore"
#> [101] "furrr"           "future"           "future.apply"     "gargle"
#> [105] "generics"        "gert"             "ggplot2"          "ggrepel"
#> [109] "gh"              "gitcreds"         "glasso"           "glmnet"
#> [113] "globals"         "glue"             "googledrive"      "googlesheets4"
#> [117] "gower"           "GPfit"            "gridExtra"        "gsubfn"
#> [121] "gtable"          "gtools"           "hardhat"          "haven"
#> [125] "hdcrcde"         "here"             "highr"            "Hmisc"
#> [129] "hms"             "htmlTable"        "htmltools"        "htmlwidgets"
#> [133] "httpgd"          "httpuv"           "httr"             "httr2"
#> [137] "ids"             "ifftools"         "igraph"           "infer"
#> [141] "ini"             "inline"           "ipred"            "isoband"
#> [145] "iterators"       "jomo"             "jpeg"             "jquerylib"
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#> [149] "jsonlite"          "jsonvalidate"      "kernlab"           "knitr"
#> [153] "ks"                "labeling"          "Lahman"            "languageserver"
#> [157] "later"             "latex2exp"         "lava"              "lavaan"
#> [161] "lazyeval"          "lhs"               "lifecycle"         "lintr"
#> [165] "listenv"           "littler"           "lme4"              "locfit"
#> [169] "longMI"            "loo"               "lubridate"         "magick"
#> [173] "magrittr"          "markdown"          "MatrixModels"      "matrixStats"
#> [177] "mclust"            "memoise"           "metaSEM"           "mice"
#> [181] "microbenchmark"    "mime"              "miniUI"            "minqa"
#> [185] "mitml"             "mize"              "mnormt"            "modeldata"
#> [189] "modelenv"          "modelr"            "MplusAutomation"  "multicool"
#> [193] "munsell"           "mvtnorm"           "nloptr"            "numDeriv"
#> [197] "nycflights13"      "OpenMx"            "openssl"           "ordinal"
#> [201] "pan"               "pander"            "parallelly"        "parsnip"
#> [205] "patchwork"         "pbapply"           "pbivnorm"          "pbkrtest"
#> [209] "pcaPP"             "pdftools"          "pillar"            "pkgbuild"
#> [213] "pkgconfig"         "pkgdown"           "pkgload"           "plogr"
#> [217] "plyr"              "png"               "posterior"         "pracma"
#> [221] "praise"            "prettyunits"       "printr"            "processx"
#> [225] "prodlim"           "profvis"           "progress"          "progressr"
#> [229] "promises"          "proto"             "ps"                "psych"
#> [233] "purrr"             "qgraph"            "qpdf"              "quadprog"
#> [237] "quantreg"          "quarto"            "QuickJSR"          "R.cache"
#> [241] "R.methodsS3"       "R.oo"              "R.utils"           "R6"
#> [245] "ragg"              "rainbow"           "rappdirs"          "rbibutils"
#> [249] "rcmdcheck"         "RColorBrewer"      "Rcpp"              "RcppArmadillo"
#> [253] "RcppEigen"         "RcppGSL"           "RcppParallel"      "RcppTOML"
#> [257] "RCurl"             "Rdpack"            "readr"             "readxl"
#> [261] "recipes"           "RefManageR"        "rematch"           "rematch2"
#> [265] "remotes"           "reprex"            "reshape2"          "reticulate"
#> [269] "rex"               "rhub"              "rlang"             "RMariaDB"
#> [273] "rmarkdown"         "roxygen2"          "rpf"               "RPostgres"
#> [277] "rProject"          "rprojroot"         "rsample"           "RSQLite"
#> [281] "rstan"             "rstantools"        "rstudioapi"        "rversions"
#> [285] "rvest"             "Ryacas"            "sass"              "scales"
#> [289] "selectr"           "semlbci"           "semmcci"           "sessioninfo"
#> [293] "shape"             "shiny"             "simStateSpace"     "slider"
#> [297] "snow"              "snowfall"          "sourcetools"       "SparseM"
#> [301] "SQUAREM"           "StanHeaders"       "statmod"           "stringi"
#> [305] "stringr"           "styler"            "symSEM"            "sys"
#> [309] "systemfonts"       "tensorA"           "testthat"          "texreg"
#> [313] "textshaping"       "tibble"            "tidymodels"        "tidyr"
#> [317] "tidyselect"        "tidyverse"         "timechange"        "timeDate"
#> [321] "tinytex"           "tune"              "tzdb"              "ucminf"
#> [325] "unigd"             "urlchecker"        "usethis"           "utf8"

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#> [329] "uuid"          "V8"            "vctrs"         "viridis"
#> [333] "viridisLite"   "vroom"         "waldo"         "warp"
#> [337] "whisker"       "whoami"        "withr"         "workflows"
#> [341] "workflowsets"  "xfun"          "xml2"          "xmlparsedata"
#> [345] "xopen"         "xtable"        "yaml"          "yardstick"
#> [349] "zip"           "base"          "boot"          "class"
#> [353] "cluster"       "codetools"     "compiler"      "datasets"
#> [357] "foreign"       "graphics"      "grDevices"     "grid"
#> [361] "KernSmooth"   "lattice"       "MASS"          "Matrix"
#> [365] "methods"      "mgcv"          "nlme"          "nnet"
#> [369] "parallel"     "rpart"         "spatial"       "splines"
#> [373] "stats"        "stats4"        "survival"      "tcltk"
#> [377] "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/>