

# Session Info

Ivan Jacob Agaloos Pesigan

## Session

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sessionInfo()

#> R version 4.4.0 (2024-04-24)
#> 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-p0.3.20.so; LAPACK version 3.10.3
#>
#> 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
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#> 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_4.4.0  highr_0.11
#> [17] rprojroot_2.0.4 plyr_1.8.9    httr_1.4.7      tools_4.4.0
#> [21] evaluate_0.24.0 Rcpp_1.0.12   RefManageR_1.4.0 rlang_1.1.4
#> [25] jsonlite_1.8.8 stringi_1.8.4

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## Packages

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

#> [1] "betaNB"      "cli"          "crayon"       "digest"
#> [5] "downlit"     "evaluate"     "rlang"        "rProject"
#> [9] "tinytex"     "xfun"         "abind"        "arrow"
#> [13] "ash"         "AsioHeaders"  "askpass"      "assertthat"
#> [17] "backports"   "base64enc"    "betaDelta"    "betaMC"
#> [21] "betaNB"     "betaSandwich" "BH"           "bibtex"

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#> [25]	"BiocManager"	"bit"	"bit64"	"bitops"
#> [29]	"blob"	"brew"	"brio"	"broom"
#> [33]	"bslib"	"cachem"	"callr"	"car"
#> [37]	"caracas"	"carData"	"cellranger"	"cfr"
#> [41]	"checkmate"	"cli"	"clipr"	"clock"
#> [45]	"coda"	"c0de"	"collections"	"colorspace"
#> [49]	"commonmark"	"conflicted"	"corpcor"	"covr"
#> [53]	"cowplot"	"cpp11"	"crayon"	"credentials"
#> [57]	"crosstalk"	"cTMed"	"ctsem"	"curl"
#> [61]	"cyclocomp"	"data.table"	"DBI"	"dbplyr"
#> [65]	"Deriv"	"desc"	"deSolve"	"devtools"
#> [69]	"diagram"	"dials"	"DiceDesign"	"diffobj"
#> [73]	"digest"	"distributional"	"distrib"	"doBy"
#> [77]	"docopt"	"doFuture"	"downlit"	"dplyr"
#> [81]	"DT"	"dtplyr"	"duckdb"	"dynr"
#> [85]	"dynUtils"	"ellipse"	"ellipsis"	"evaluate"
#> [89]	"expm"	"fansib"	"farver"	"fastDummies"
#> [93]	"fastmap"	"fclust"	"fda"	"fdrtool"
#> [97]	"fds"	"FNN"	"fontawesome"	"forcats"
#> [101]	"foreach"	"Formula"	"fs"	"fst"
#> [105]	"fstcore"	"furryr"	"future"	"future.apply"
#> [109]	"gargle"	"generics"	"gert"	"ggplot2"
#> [113]	"ggrepel"	"gh"	"gitcreds"	"glasso"
#> [117]	"glmnet"	"globals"	"glue"	"googledrive"
#> [121]	"googlesheets4"	"gower"	"GPfit"	"gridExtra"
#> [125]	"gsubfn"	"gtable"	"gtools"	"hardhat"
#> [129]	"haven"	"hdcrcde"	"here"	"highr"

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#> [133] "Hmisc"           "hms"             "htmlTable"       "htmltools"
#> [137] "htmlwidgets"    "httpgd"          "httpuv"          "httr"
#> [141] "httr2"          "ids"             "ifaTools"        "igraph"
#> [145] "infer"          "ini"             "inline"          "ipred"
#> [149] "isoband"        "iterators"       "jomo"            "jpeg"
#> [153] "jquerylib"      "jsonlite"        "jsonvalidate"    "kernlab"
#> [157] "knitr"          "ks"              "labeling"        "Lahman"
#> [161] "languageserver" "later"           "latex2exp"       "lava"
#> [165] "lavaan"         "lazyeval"        "lhs"             "lifecycle"
#> [169] "lintr"          "listenv"         "littler"         "lme4"
#> [173] "locfit"         "longMI"          "loo"             "lubridate"
#> [177] "magick"         "magrittr"        "markdown"        "MatrixModels"
#> [181] "matrixStats"    "mclust"          "memoise"         "metaSEM"
#> [185] "mice"           "microbenchmark" "mime"            "miniUI"
#> [189] "minqa"          "mitml"           "mize"            "mnormt"
#> [193] "modeldata"      "modelenv"        "modelr"          "MplusAutomation"
#> [197] "multicool"      "munsell"         "mvtnorm"         "nloptr"
#> [201] "numDeriv"       "nycflights13"    "OpenMx"          "openssl"
#> [205] "ordinal"        "pan"             "pander"          "parallelly"
#> [209] "parsnip"        "patchwork"       "pbapply"         "pbivnorm"
#> [213] "pbkrtest"       "pcaPP"           "pdftools"        "pillar"
#> [217] "pkgbuild"       "pkgconfig"       "pkgdown"         "pkgload"
#> [221] "plogr"          "plyr"            "png"             "posterior"
#> [225] "pracma"         "praise"          "prettyunits"     "printr"
#> [229] "processx"       "prodlim"         "profvis"         "progress"
#> [233] "progressr"      "promises"        "proto"           "ps"
#> [237] "psych"          "purrr"           "qgraph"          "qpdf"

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#> [241]	"quadprog"	"quantreg"	"quarto"	"QuickJSR"
#> [245]	"R.cache"	"R.methodsS3"	"R.oo"	"R.utils"
#> [249]	"R6"	"ragg"	"rainbow"	"rappdirs"
#> [253]	"rbibutils"	"rcmdcheck"	"RColorBrewer"	"Rcpp"
#> [257]	"RcppArmadillo"	"RcppEigen"	"RcppGSL"	"RcppParallel"
#> [261]	"RcppTOML"	"RCurl"	"Rdpack"	"readr"
#> [265]	"readxl"	"recipes"	"RefManageR"	"rematch"
#> [269]	"rematch2"	"remotes"	"reprex"	"reshape2"
#> [273]	"reticulate"	"rex"	"rhub"	"rlang"
#> [277]	"RMariaDB"	"rmarkdown"	"roxygen2"	"rpf"
#> [281]	"RPostgres"	"rProject"	"rprojroot"	"rsample"
#> [285]	"RSQLite"	"rstan"	"rstantools"	"rstudioapi"
#> [289]	"rversions"	"rvest"	"Ryacas"	"sass"
#> [293]	"scales"	"selectr"	"semlbci"	"semmccci"
#> [297]	"sessioninfo"	"shape"	"shiny"	"simStateSpace"
#> [301]	"slider"	"snow"	"snowfall"	"sourcetools"
#> [305]	"SparseM"	"SQUAREM"	"StanHeaders"	"statmod"
#> [309]	"stringi"	"stringr"	"styler"	"symSEM"
#> [313]	"sys"	"systemfonts"	"tensorA"	"testthat"
#> [317]	"texreg"	"textshaping"	"tibble"	"tidymodels"
#> [321]	"tidyr"	"tidyselect"	"tidyverse"	"timechange"
#> [325]	"timeDate"	"tinytex"	"tune"	"tzdb"
#> [329]	"ucminf"	"unigd"	"urlchecker"	"usethis"
#> [333]	"utf8"	"uuid"	"V8"	"vctrs"
#> [337]	"viridis"	"viridisLite"	"vroom"	"waldo"
#> [341]	"warp"	"whisker"	"whoami"	"withr"
#> [345]	"workflows"	"workflowsets"	"xfun"	"xml2"

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#> [349] "xmlparsedata"      "xopen"             "xtable"            "yaml"
#> [353] "yardstick"         "zip"               "base"              "boot"
#> [357] "class"             "cluster"           "codetools"         "compiler"
#> [361] "datasets"          "foreign"            "graphics"          "grDevices"
#> [365] "grid"              "KernSmooth"        "lattice"           "MASS"
#> [369] "Matrix"            "methods"           "mgcv"              "nlme"
#> [373] "nnet"              "parallel"          "rpart"             "spatial"
#> [377] "splines"           "stats"             "stats4"            "survival"
#> [381] "tcltk"             "tools"             "utils"

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## 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/>