

# Session Info

Ivan Jacob Agaloos Pesigan

## Session

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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 3.10.3
#>
#> 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
#> 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_0.46
#>  [5] magrittr_2.0.3   glue_1.7.0      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_0.24.0  Rcpp_1.0.13     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] "cfr" "devtools" "fitCTVARMx" "gert"
#> [5] "httr2" "quarto" "Rcpp" "rProject"
#> [9] "tinytex" "xfun" "abind" "arrow"
#> [13] "ash" "AsioHeaders" "askpass" "assertthat"
#> [17] "backports" "base64enc" "betaDelta" "betaMC"
#> [21] "betaNB" "betaSandwich" "BH" "bibtex"
#> [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" "cOde" "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" "distro" "doBy"
#> [77] "docopt" "doFuture" "downlit" "dplyr"
#> [81] "DT" "dtplyr" "duckdb" "dynr"
#> [85] "dynUtils" "ellipse" "ellipsis" "evaluate"
#> [89] "expm" "fans" "farver" "fastDummies"
#> [93] "fastmap" "fclust" "fda" "fdrtool"
#> [97] "fds" "fitCTVARMx" "fitDTVARMx" "FNN"
#> [101] "fontawesome" "forcats" "foreach" "Formula"
#> [105] "fs" "fst" "fstcore" "furry"
#> [109] "future" "future.apply" "gargle" "generics"
#> [113] "gert" "ggplot2" "ggrepel" "gh"
#> [117] "gitcreds" "glasso" "glmnet" "globals"
#> [121] "glue" "googledrive" "googlesheets4" "gower"
#> [125] "GPArotation" "GPfit" "gridExtra" "gsubfn"
#> [129] "gtable" "gtools" "hardhat" "haven"
#> [133] "hdcrcde" "here" "highr" "Hmisc"
#> [137] "hms" "htmlTable" "htmltools" "htmlwidgets"
#> [141] "httpgd" "httpuv" "httr" "httr2"
#> [145] "ids" "ifftools" "igraph" "infer"
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#> [149] "ini" "inline" "ipred" "isoband"
#> [153] "iterators" "jomo" "jpeg" "jquerylib"
#> [157] "jsonlite" "jsonvalidate" "kernlab" "knitr"
#> [161] "ks" "labeling" "Lahman" "languageserver"
#> [165] "later" "latex2exp" "lava" "lavaan"
#> [169] "lazyeval" "lhs" "lifecycle" "lintr"
#> [173] "listenv" "littler" "lme4" "locfit"
#> [177] "longMI" "loo" "lubridate" "magick"
#> [181] "magrittr" "markdown" "MatrixModels" "matrixStats"
#> [185] "mclust" "memoise" "metaSEM" "metaVAR"
#> [189] "mice" "microbenchmark" "mime" "miniUI"
#> [193] "minqa" "mitml" "mize" "mnormt"
#> [197] "modeldata" "modelenv" "modelr" "MplusAutomation"
#> [201] "multicool" "munsell" "mvtnorm" "nloptr"
#> [205] "numDeriv" "nycflights13" "OpenMx" "openssl"
#> [209] "ordinal" "pan" "pander" "parallelly"
#> [213] "parsnip" "patchwork" "pbapply" "pbivnorm"
#> [217] "pbkrtest" "pcaPP" "pdftools" "pillar"
#> [221] "pkgbuild" "pkgconfig" "pkgdown" "pkgload"
#> [225] "plogr" "plyr" "png" "posterior"
#> [229] "pracma" "praise" "prettyunits" "printr"
#> [233] "processx" "prodlim" "profvis" "progress"
#> [237] "progressr" "promises" "proto" "ps"
#> [241] "psych" "purrr" "qgraph" "qpdf"
#> [245] "quadprog" "quantreg" "quarto" "QuickJSR"
#> [249] "R.cache" "R.methodsS3" "R.oo" "R.utils"
#> [253] "R6" "ragg" "rainbow" "rappdirs"
#> [257] "rbibutils" "rcmdcheck" "RColorBrewer" "Rcpp"
#> [261] "RcppArmadillo" "RcppEigen" "RcppGSL" "RcppParallel"
#> [265] "RcppTOML" "RCurl" "Rdpack" "readr"
#> [269] "readxl" "recipes" "RefManageR" "rematch"
#> [273] "rematch2" "remotes" "reprex" "reshape2"
#> [277] "reticulate" "rex" "rhub" "rlang"
#> [281] "RMariaDB" "rmarkdown" "roxygen2" "rpf"
#> [285] "RPostgres" "rProject" "rprojroot" "rsample"
#> [289] "RSQLite" "rstan" "rstantools" "rstudioapi"
#> [293] "rversions" "rvest" "Ryacas" "sass"
#> [297] "scales" "selectr" "semlbci" "semmcci"
#> [301] "sessioninfo" "shape" "shiny" "simStateSpace"
#> [305] "slider" "snow" "snowfall" "sourcetools"
#> [309] "SparseM" "SQUAREM" "StanHeaders" "statmod"
#> [313] "stringi" "stringr" "styler" "symSEM"
#> [317] "sys" "systemfonts" "tensorA" "testthat"
#> [321] "texreg" "textshaping" "tibble" "tidymodels"
#> [325] "tidyr" "tidyselect" "tidyverse" "timechange"

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#> [329] "timeDate"      "tinytex"      "tune"         "tzdb"
#> [333] "ucminf"        "unigd"        "urlchecker"   "usethis"
#> [337] "utf8"          "uuid"         "V8"           "vctrs"
#> [341] "viridis"       "viridisLite"  "vroom"        "waldo"
#> [345] "warp"          "whisker"      "whoami"       "withr"
#> [349] "workflows"     "workflowsets" "xfun"         "xml2"
#> [353] "xmlparsedata"  "xopen"        "xtable"       "yaml"
#> [357] "yardstick"     "zip"          "base"         "boot"
#> [361] "class"         "cluster"      "codetools"    "compiler"
#> [365] "datasets"      "foreign"      "graphics"     "grDevices"
#> [369] "grid"          "KernSmooth"  "lattice"      "MASS"
#> [373] "Matrix"        "methods"     "mgcv"         "nlme"
#> [377] "nnet"          "parallel"     "rpart"        "spatial"
#> [381] "splines"       "stats"        "stats4"       "survival"
#> [385] "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/>