

# Session Info

Ivan Jacob Agaloos Pesigan

## Session

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sessionInfo()

#> R version 4.3.3 (2024-02-29)
#> Platform: x86_64-pc-linux-gnu (64-bit)
#> 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] lavaan_0.6-17      semmcci_1.1.4.9000 rProject_0.0.10
#>
#> loaded via a namespace (and not attached):
#> [1] httr_1.4.7          cli_3.6.2.9000     knitr_1.46         rlang_1.1.3
#> [5] xfun_0.43           stringi_1.8.3      highr_0.10         generics_0.1.3
#> [9] jsonlite_1.8.8      glue_1.7.0         backports_1.4.1    pbivnorm_0.6.0
#> [13] plyr_1.8.9          rprojroot_2.0.4    stats4_4.3.3       RefManageR_1.4.0
#> [17] quadprog_1.5-8      evaluate_0.23      lifecycle_1.0.4    stringr_1.5.1
#> [21] compiler_4.3.3      Rcpp_1.0.12        timechange_0.3.0   bibtex_0.5.1
#> [25] rstudioapi_0.16.0   R6_2.5.1           parallel_4.3.3     mnormt_2.1.1
#> [29] magrittr_2.0.3      tools_4.3.3        lubridate_1.9.3    xml2_1.3.6

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## Packages

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unname(installed.packages()[, 1])
#> [1] "Amelia"          "arm"              "bmemLavaan"       "cffr"
#> [5] "coda"            "cTMed"            "mi"               "pkgdown"
#> [9] "rProject"        "rsem"             "sem"              "semmcci"
#> [13] "simStateSpace"   "styler"           "abind"            "arrow"
#> [17] "ash"             "AsioHeaders"      "askpass"          "assertthat"

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#> [21] "backports"      "base64enc"      "betaDelta"      "betaMC"
#> [25] "betaNB"         "betaSandwich"   "BH"              "bibtex"
#> [29] "BiocManager"    "bit"            "bit64"           "bitops"
#> [33] "blob"           "brew"           "brio"            "broom"
#> [37] "bslib"          "cachem"         "callr"           "car"
#> [41] "caracas"        "carData"        "cellranger"      "cfrfr"
#> [45] "checkmate"      "cli"            "clipr"           "clock"
#> [49] "c0de"           "collections"    "colorspace"      "commonmark"
#> [53] "conflicted"     "corpcor"        "covr"            "cpp11"
#> [57] "crayon"         "credentials"    "crosstalk"       "cTMed"
#> [61] "ctsem"          "curl"           "cyclocomp"       "data.table"
#> [65] "DBI"            "dbplyr"         "Deriv"           "desc"
#> [69] "deSolve"        "devtools"       "diagram"         "dials"
#> [73] "DiceDesign"     "diffobj"        "digest"          "distributional"
#> [77] "distro"         "doBy"           "docopt"          "doFuture"
#> [81] "downlit"        "dplyr"          "DT"              "dtplyr"
#> [85] "duckdb"         "dynr"           "dynUtils"        "ellipse"
#> [89] "ellipsis"       "evaluate"       "expm"            "fansI"
#> [93] "farver"         "fastmap"        "fclust"          "fda"
#> [97] "fdrtool"        "fds"            "FNN"             "fontawesome"
#> [101] "forcats"        "foreach"        "Formula"         "fs"
#> [105] "fst"           "fstcore"        "furry"           "future"
#> [109] "future.apply"   "gargle"         "generics"        "gert"
#> [113] "ggplot2"        "ggrepel"        "gh"              "gitcreds"
#> [117] "glasso"         "glmnet"         "globals"         "glue"
#> [121] "googledrive"    "googlesheets4" "gower"           "GPfit"
#> [125] "gridExtra"      "gtable"         "gtools"          "hardhat"

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#> [129] "haven"          "hdrcde"          "here"            "highr"
#> [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"          "multicool"
#> [197] "munsell"        "mvtnorm"         "nloptr"          "numDeriv"
#> [201] "nycflights13"   "OpenMx"          "openssl"         "ordinal"
#> [205] "pan"            "parallelly"      "parsnip"         "patchwork"
#> [209] "pbapply"        "pbivnorm"        "pbkrtest"        "pcaPP"
#> [213] "pdftools"       "pillar"          "pkgbuild"        "pkgconfig"
#> [217] "pkgdown"        "pkgload"         "plogr"           "plyr"
#> [221] "png"            "posterior"       "pracma"          "praise"
#> [225] "prettyunits"    "printr"          "processx"        "prodlim"
#> [229] "profvis"        "progress"        "progressr"       "promises"
#> [233] "ps"             "psych"           "purrr"           "qgraph"

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#> [237] "qpdf"           "quadprog"      "quantreg"      "quarto"
#> [241] "QuickJSR"      "R.cache"       "R.methodsS3"   "R.oo"
#> [245] "R.utils"       "R6"            "ragg"          "rainbow"
#> [249] "rappdirs"      "rbibutils"     "rcmdcheck"     "RColorBrewer"
#> [253] "Rcpp"          "RcppArmadillo" "RcppEigen"     "RcppGSL"
#> [257] "RcppParallel" "RcppTOML"      "RCurl"         "Rdpack"
#> [261] "readr"         "readxl"        "recipes"       "RefManager"
#> [265] "rematch"       "rematch2"      "remotes"       "reprex"
#> [269] "reshape2"     "reticulate"    "rex"           "rhub"
#> [273] "rlang"         "RMariaDB"      "rmarkdown"     "roxygen2"
#> [277] "rpf"          "RPostgres"     "rProject"      "rprojroot"
#> [281] "rsample"       "RSQLite"       "rstan"         "rstantools"
#> [285] "rstudioapi"   "rversions"     "rvest"         "Ryacas"
#> [289] "sass"         "scales"        "selectr"       "semlbci"
#> [293] "semmccci"     "sessioninfo"   "shape"         "shiny"
#> [297] "simStateSpace" "slider"        "snow"          "snowfall"
#> [301] "sourcetools"  "SparseM"       "SQUAREM"       "StanHeaders"
#> [305] "stringi"      "stringr"       "styler"        "symSEM"
#> [309] "sys"          "systemfonts"   "tensorA"       "testthat"
#> [313] "textshaping"  "tibble"        "tidymodels"    "tidyr"
#> [317] "tidyselect"   "tidyverse"     "timechange"     "timeDate"
#> [321] "tinytex"      "tune"          "tzdb"          "ucminf"
#> [325] "unigd"        "urlchecker"    "usethis"       "utf8"
#> [329] "uuid"         "V8"            "vctrs"         "viridis"
#> [333] "viridisLite"  "vroom"         "waldo"         "warp"
#> [337] "whisker"      "whoami"        "withr"         "workflows"
#> [341] "workflowsets" "xfun"          "xml2"          "xmlparsedata"

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#> [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"

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## References

- Pesigan, I. J. A., & Cheung, S. F. (2023). Monte Carlo confidence intervals for the indirect effect with missing data. *Behavior Research Methods*. <https://doi.org/10.3758/s13428-023-02114-4>
- R Core Team. (2023). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>