

# 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 22.04.5 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_0.0.14
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.5.0  R6_2.5.1          lubridate_1.9.4  xfun_0.49
#> [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
#> [13] cli_3.6.3.9001  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_1.0.1   Rcpp_1.0.13-1     RefManageR_1.4.0 rlang_1.1.4
#> [25] jsonlite_1.8.9   stringi_1.8.4

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## Packages

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

#> [1] "betaSandwich"      "rProject"         "abind"
#> [4] "arm"               "arrow"            "ash"
#> [7] "AsioHeaders"       "askpass"          "assertthat"
#> [10] "backports"         "base64enc"        "betaDelta"
#> [13] "betaMC"            "betaNB"           "betaSandwich"
#> [16] "BH"                "bibtex"           "BiocManager"

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#> [19] "bit"           "bit64"         "bitops"
#> [22] "blob"          "brew"          "brio"
#> [25] "broom"         "bslib"         "cachem"
#> [28] "callr"         "car"           "caracas"
#> [31] "carData"       "cellranger"    "cfrfr"
#> [34] "checkmate"     "cli"           "clipr"
#> [37] "clock"         "clusterGeneration" "coda"
#> [40] "c0de"          "collections"   "colorspace"
#> [43] "commonmark"    "conflicted"    "corpcor"
#> [46] "covr"          "cowplot"       "cpp11"
#> [49] "crayon"        "credentials"   "crosstalk"
#> [52] "cTMed"         "ctsem"         "curl"
#> [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"
#> [73] "downlit"       "dplyr"         "DT"
#> [76] "dtplyr"        "duckdb"        "dynr"
#> [79] "dynUtils"      "ellipse"       "ellipsis"
#> [82] "evaluate"      "expm"          "fansI"
#> [85] "farver"        "fastDummies"   "fastmap"
#> [88] "fclust"        "fda"           "fdrtool"
#> [91] "fds"          "fitCTVARMx"    "fitDTVARMx"
#> [94] "FNN"          "fontawesome"   "forcats"
#> [97] "foreach"       "Formula"       "fs"

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#> [100] "fst"           "fstcore"       "furrr"
#> [103] "future"        "future.apply"  "gargle"
#> [106] "generics"      "gert"          "ggplot2"
#> [109] "ggrepel"       "gh"            "gitcreds"
#> [112] "glasso"        "glmnet"        "globals"
#> [115] "glue"          "googledrive"   "googlesheets4"
#> [118] "gower"         "GPArotation"   "GPfit"
#> [121] "graphicalVAR"  "gridExtra"     "gsubfn"
#> [124] "gtable"        "gtools"        "hardhat"
#> [127] "haven"         "hdcde"         "here"
#> [130] "highr"         "Hmisc"         "hms"
#> [133] "htmlTable"     "htmltools"     "htmlwidgets"
#> [136] "httpgd"        "httpuv"        "httr"
#> [139] "httr2"         "ids"           "ifaTools"
#> [142] "igraph"        "infer"         "ini"
#> [145] "inline"        "ipred"         "isoband"
#> [148] "iterators"     "jomo"          "jpeg"
#> [151] "jquerylib"     "jsonlite"      "jsonvalidate"
#> [154] "kernlab"       "knitr"         "ks"
#> [157] "labeling"      "Lahman"        "languageserver"
#> [160] "later"         "latex2exp"     "lava"
#> [163] "lavaan"        "lazyeval"      "lhs"
#> [166] "lifecycle"     "lintr"         "listenv"
#> [169] "littler"       "lme4"          "locfit"
#> [172] "longMI"        "loo"           "lubridate"
#> [175] "magick"        "magrittr"      "markdown"
#> [178] "MatrixModels" "matrixStats"   "mclust"

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#> [181] "memoise"          "metaSEM"          "metaVAR"
#> [184] "mice"             "microbenchmark"   "mime"
#> [187] "miniUI"           "minqa"            "mitml"
#> [190] "mize"             "mlVAR"            "mnormt"
#> [193] "modeldata"        "modelenv"         "modelr"
#> [196] "MplusAutomation" "multicool"        "munsell"
#> [199] "mvtnorm"          "nloptr"           "numDeriv"
#> [202] "nycflights13"     "OpenMx"           "openssl"
#> [205] "ordinal"          "pan"              "pander"
#> [208] "parallelly"       "parsnip"          "patchwork"
#> [211] "pbapply"          "pbivnorm"         "pbkrtest"
#> [214] "pcaPP"            "pdftools"         "pillar"
#> [217] "pkgbuild"         "pkgconfig"        "pkgdown"
#> [220] "pkgload"          "plogr"            "plyr"
#> [223] "png"              "posterior"        "pracma"
#> [226] "praise"           "prettyunits"      "printr"
#> [229] "processx"         "prodlim"          "profvis"
#> [232] "progress"         "progressr"        "promises"
#> [235] "proto"            "ps"               "psych"
#> [238] "purrr"            "qgraph"           "qpdf"
#> [241] "quadprog"         "quantreg"         "quarto"
#> [244] "QuickJSR"         "R.cache"          "R.methodsS3"
#> [247] "R.oo"             "R.utils"          "R6"
#> [250] "ragg"             "rainbow"          "rappdirs"
#> [253] "rbibutils"        "rcmdcheck"        "RColorBrewer"
#> [256] "Rcpp"             "RcppArmadillo"    "RcppEigen"
#> [259] "RcppGSL"          "RcppParallel"     "RcppTOML"

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#> [262]	"RCurl"	"Rdpack"	"readr"
#> [265]	"readxl"	"recipes"	"RefManager"
#> [268]	"rematch"	"rematch2"	"remotes"
#> [271]	"reprex"	"reshape2"	"reticulate"
#> [274]	"rex"	"rhub"	"rjags"
#> [277]	"rlang"	"RMariaDB"	"rmarkdown"
#> [280]	"roxygen2"	"rpf"	"RPostgres"
#> [283]	"rProject"	"rprojroot"	"rsample"
#> [286]	"RSQLite"	"rstan"	"rstantools"
#> [289]	"rstudioapi"	"rversions"	"rvest"
#> [292]	"Ryacas"	"sass"	"scales"
#> [295]	"selectr"	"semlbci"	"semmcci"
#> [298]	"sessioninfo"	"sfd"	"shape"
#> [301]	"shiny"	"simStateSpace"	"slider"
#> [304]	"snow"	"snowfall"	"sourcetools"
#> [307]	"SparseM"	"SQUAREM"	"StanHeaders"
#> [310]	"statmod"	"stringi"	"stringr"
#> [313]	"styler"	"symSEM"	"sys"
#> [316]	"systemfonts"	"tensorA"	"testthat"
#> [319]	"texreg"	"textshaping"	"tibble"
#> [322]	"tidymodels"	"tidyr"	"tidyselect"
#> [325]	"tidyverse"	"timechange"	"timeDate"
#> [328]	"tinytex"	"tune"	"tzdb"
#> [331]	"ucminf"	"unigd"	"urlchecker"
#> [334]	"usethis"	"utf8"	"uuid"
#> [337]	"V8"	"vctrs"	"viridis"
#> [340]	"viridisLite"	"vroom"	"waldo"

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#> [343] "warp"          "whisker"       "whoami"
#> [346] "withr"         "workflows"     "workflowsets"
#> [349] "xfun"          "xml2"          "xmlparsedata"
#> [352] "xopen"         "xtable"        "yaml"
#> [355] "yardstick"     "zip"           "base"
#> [358] "boot"          "class"         "cluster"
#> [361] "codetools"     "compiler"      "datasets"
#> [364] "foreign"       "graphics"      "grDevices"
#> [367] "grid"          "KernSmooth"   "lattice"
#> [370] "MASS"          "Matrix"        "methods"
#> [373] "mgcv"          "nlme"          "nnet"
#> [376] "parallel"      "rpart"         "spatial"
#> [379] "splines"       "stats"         "stats4"
#> [382] "survival"      "tcltk"         "tools"
#> [385] "utils"

```

## References

- Pesigan, I. J. A., & Cheung, S. F. (2023). Monte Carlo confidence intervals for the indirect effect with missing data. *Behavior Research Methods*, 56(3), 1678–1696. <https://doi.org/10.3758/s13428-023-02114-4>
- R Core Team. (2024). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>