

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-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_1.9.3  xfun_0.47
#> [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
#> [25] jsonlite_1.8.8   stringi_1.8.4

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Packages

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

#> [1] "betaDelta"      "cfrfr"          "gert"
#> [4] "openssl"        "rmarkdown"      "rProject"
#> [7] "V8"             "xfun"           "abind"
#> [10] "arm"            "arrow"          "ash"
#> [13] "AsioHeaders"    "askpass"        "assertthat"
#> [16] "backports"      "base64enc"      "betaDelta"

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#> [19]	"betaMC"	"betaNB"	"betaSandwich"
#> [22]	"BH"	"bibtex"	"BiocManager"
#> [25]	"bit"	"bit64"	"bitops"
#> [28]	"blob"	"brew"	"brio"
#> [31]	"broom"	"bslib"	"cachem"
#> [34]	"callr"	"car"	"caracas"
#> [37]	"carData"	"cellranger"	"cfr"
#> [40]	"checkmate"	"cli"	"clipr"
#> [43]	"clock"	"clusterGeneration"	"coda"
#> [46]	"c0de"	"collections"	"colorspace"
#> [49]	"commonmark"	"conflicted"	"corpcor"
#> [52]	"covr"	"cowplot"	"cpp11"
#> [55]	"crayon"	"credentials"	"crosstalk"
#> [58]	"cTMed"	"ctsem"	"curl"
#> [61]	"cyclocomp"	"data.table"	"DBI"
#> [64]	"dbplyr"	"Deriv"	"desc"
#> [67]	"deSolve"	"devtools"	"diagram"
#> [70]	"dials"	"DiceDesign"	"diffobj"
#> [73]	"digest"	"distributional"	"distro"
#> [76]	"doBy"	"docopt"	"doFuture"
#> [79]	"downlit"	"dplyr"	"DT"
#> [82]	"dtplyr"	"duckdb"	"dynr"
#> [85]	"dynUtils"	"ellipse"	"ellipsis"
#> [88]	"evaluate"	"expm"	"fansI"
#> [91]	"farver"	"fastDummies"	"fastmap"
#> [94]	"fclust"	"fda"	"fdrtool"
#> [97]	"fds"	"fitCTVARMx"	"fitDTVARMx"

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

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

#> [262]	"Rcpp"	"RcppArmadillo"	"RcppEigen"
#> [265]	"RcppGSL"	"RcppParallel"	"RcppTOML"
#> [268]	"RCurl"	"Rdpack"	"readr"
#> [271]	"readxl"	"recipes"	"RefManager"
#> [274]	"rematch"	"rematch2"	"remotes"
#> [277]	"reprex"	"reshape2"	"reticulate"
#> [280]	"rex"	"rhub"	"rlang"
#> [283]	"RMariaDB"	"rmarkdown"	"roxygen2"
#> [286]	"rpf"	"RPostgres"	"rProject"
#> [289]	"rprojroot"	"rsample"	"RSQLite"
#> [292]	"rstan"	"rstantools"	"rstudioapi"
#> [295]	"rversions"	"rvest"	"Ryacas"
#> [298]	"sass"	"scales"	"selectr"
#> [301]	"semlbci"	"semmcci"	"sessioninfo"
#> [304]	"sfd"	"shape"	"shiny"
#> [307]	"simStateSpace"	"slider"	"snow"
#> [310]	"snowfall"	"sourcetools"	"SparseM"
#> [313]	"SQUAREM"	"StanHeaders"	"statmod"
#> [316]	"stringi"	"stringr"	"styler"
#> [319]	"symSEM"	"sys"	"systemfonts"
#> [322]	"tensorA"	"testthat"	"texreg"
#> [325]	"textshaping"	"tibble"	"tidymodels"
#> [328]	"tidyr"	"tidyselect"	"tidyverse"
#> [331]	"timechange"	"timeDate"	"tinytex"
#> [334]	"tune"	"tzdb"	"ucminf"
#> [337]	"unigd"	"urlchecker"	"usethis"
#> [340]	"utf8"	"uuid"	"v8"

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#> [343] "vctr"      "viridis"    "viridisLite"
#> [346] "vroom"     "waldo"      "warp"
#> [349] "whisker"   "whoami"     "withr"
#> [352] "workflows" "workflowsets" "xfun"
#> [355] "xml2"      "xmlparsedata" "xopen"
#> [358] "xtable"    "yaml"       "yardstick"
#> [361] "zip"       "base"       "boot"
#> [364] "class"     "cluster"    "codetools"
#> [367] "compiler"  "datasets"   "foreign"
#> [370] "graphics"  "grDevices"  "grid"
#> [373] "KernSmooth" "lattice"    "MASS"
#> [376] "Matrix"    "methods"    "mgcv"
#> [379] "nlme"      "nnet"       "parallel"
#> [382] "rpart"     "spatial"    "splines"
#> [385] "stats"     "stats4"     "survival"
#> [388] "tcltk"     "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*, 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/>