

Session Info

Ivan Jacob Agaloos Pesigan

Session

```
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
```

```

#> 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_3.6.2.9000   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

```

Packages

```

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

#> [1] "downlit"      "evaluate"      "metaVAR"      "rlang"
#> [5] "rProject"     "tinytex"      "xfun"         "abind"
#> [9] "arrow"        "ash"          "AsioHeaders"  "askpass"
#> [13] "assertthat"   "backports"    "base64enc"    "betaDelta"
#> [17] "betaMC"       "betaNB"       "betaSandwich" "BH"
#> [21] "bibtex"       "BiocManager"  "bit"          "bit64"

```

```

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

```

```

#> [133] "htmltools"      "htmlwidgets"    "httpgd"          "httpuv"
#> [137] "httr"           "httr2"          "ids"             "ifaTools"
#> [141] "igraph"         "infer"          "ini"             "inline"
#> [145] "ipred"          "isoband"        "iterators"       "jomo"
#> [149] "jpeg"           "jquerylib"      "jsonlite"        "jsonvalidate"
#> [153] "kernlab"        "knitr"          "ks"              "labeling"
#> [157] "Lahman"         "languageserver" "later"           "latex2exp"
#> [161] "lava"           "lavaan"         "lazyeval"        "lhs"
#> [165] "lifecycle"      "lintr"          "listenv"         "littler"
#> [169] "lme4"           "locfit"         "longMI"          "loo"
#> [173] "lubridate"      "magick"         "magrittr"        "markdown"
#> [177] "MatrixModels"  "matrixStats"    "mclust"          "memoise"
#> [181] "metaSEM"        "mice"           "microbenchmark" "mime"
#> [185] "miniUI"         "minqa"          "mitml"           "mize"
#> [189] "mnormt"         "modeldata"      "modelenv"        "modelr"
#> [193] "MplusAutomation" "multicool"      "munsell"         "mvtnorm"
#> [197] "nloptr"         "numDeriv"       "nycflights13"    "OpenMx"
#> [201] "openssl"        "ordinal"        "pan"             "pander"
#> [205] "parallelly"     "parsnip"        "patchwork"       "pbapply"
#> [209] "pbivnorm"       "pbkrtest"       "pcaPP"           "pdftools"
#> [213] "pillar"         "pkgbuild"       "pkgconfig"       "pkgdown"
#> [217] "pkgload"        "plogr"          "plyr"            "png"
#> [221] "posterior"      "pracma"         "praise"          "prettyunits"
#> [225] "printr"         "processx"       "prodlim"         "profvis"
#> [229] "progress"       "progressr"      "promises"        "proto"
#> [233] "ps"             "psych"          "purrr"           "qgraph"
#> [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] "semmcci"       "sessioninfo"  "shape"        "shiny"
#> [297] "simStateSpace" "slider"       "snow"         "snowfall"
#> [301] "sourcetools"   "SparseM"      "SQUAREM"      "StanHeaders"
#> [305] "statmod"       "stringi"      "stringr"      "styler"
#> [309] "symSEM"        "sys"          "systemfonts"  "tensorA"
#> [313] "testthat"      "texreg"       "textshaping"  "tibble"
#> [317] "tidymodels"    "tidyr"        "tidyselect"    "tidyverse"
#> [321] "timechange"    "timeDate"     "tinytex"      "tune"
#> [325] "tzdb"          "ucminf"       "unigd"         "urlchecker"
#> [329] "usethis"       "utf8"         "uuid"         "V8"
#> [333] "vctrs"         "viridis"      "viridisLite"  "vroom"
#> [337] "waldo"         "warp"         "whisker"      "whoami"
#> [341] "withr"         "workflows"    "workflowsets"  "xfun"
#> [345] "xml2"          "xmlparsedata" "xopen"         "xtable"

```

```

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

```

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/>