

Session Info

Ivan Jacob Agaloos Pesigan

Session

```
sessionInfo()

#> R version 4.3.2 (2023-10-31)
#> Platform: x86_64-pc-linux-gnu (64-bit)
#> Running under: Ubuntu 22.04.3 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] lavaan_0.6-17      semmcci_1.1.3.9000 rProject_0.0.7
#>
#> loaded via a namespace (and not attached):
#> [1] httr_1.4.7      cli_3.6.2.9000    knitr_1.45       rlang_1.1.3
#> [5] xfun_0.42       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_4.3.2     RefManageR_1.4.0
#> [17] quadprog_1.5-8  evaluate_0.23     lifecycle_1.0.4  stringr_1.5.1
#> [21] compiler_4.3.2  Rcpp_1.0.12       timechange_0.3.0 bibtex_0.5.1
#> [25] R6_2.5.1        parallel_4.3.2    mnormt_2.1.1     magrittr_2.0.3
#> [29] tools_4.3.2     lubridate_1.9.3   xml2_1.3.6

```

Packages

```

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

#> [1] "Amelia"      "arm"          "bmemLavaan"    "cli"
#> [5] "coda"        "commonmark"   "mi"            "rProject"
#> [9] "rsconnect"   "rsem"         "sem"           "semmcci"
#> [13] "testthat"    "tinytex"      "V8"            "xfun"
#> [17] "abind"       "arrow"        "ash"           "askpass"

```

```

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

```

```

#> [129] "hms"           "htmlTable"      "htmltools"      "htmlwidgets"
#> [133] "httpuv"        "httr"           "httr2"          "ids"
#> [137] "ifaTools"      "igraph"         "infer"          "ini"
#> [141] "ipred"         "isoband"        "iterators"      "jomo"
#> [145] "jpeg"          "jquerylib"      "jsonlite"       "jsonvalidate"
#> [149] "kernlab"       "knitr"          "ks"             "labeling"
#> [153] "Lahman"        "languageserver" "later"          "latex2exp"
#> [157] "lava"          "lavaan"         "lazyeval"       "lhs"
#> [161] "lifecycle"     "lintr"          "listenv"        "littler"
#> [165] "lme4"          "locfit"         "longMI"         "lubridate"
#> [169] "magick"        "magrittr"       "markdown"       "MatrixModels"
#> [173] "mclust"        "memoise"        "metaSEM"        "mice"
#> [177] "microbenchmark" "mime"          "miniUI"         "minqa"
#> [181] "mitml"         "mnormt"         "modeldata"      "modelenv"
#> [185] "modelr"        "multicool"      "munsell"        "mvtnorm"
#> [189] "nloptr"        "numDeriv"       "nycflights13"   "OpenMx"
#> [193] "openssl"       "ordinal"        "packrat"        "pan"
#> [197] "parallelly"    "parsedate"      "parsnip"        "patchwork"
#> [201] "pbapply"       "pbivnorm"       "pbkrtest"       "pcaPP"
#> [205] "pdftools"      "pillar"         "pkgbuild"       "pkgconfig"
#> [209] "pkgdown"       "pkgload"        "plogr"          "plyr"
#> [213] "png"           "pracma"         "praise"         "prettyunits"
#> [217] "printr"        "processx"       "proclim"        "profvis"
#> [221] "progress"      "progressr"      "promises"       "ps"
#> [225] "psych"         "purrr"          "qgraph"         "qpdf"
#> [229] "quadprog"      "quantreg"       "quarto"         "R.cache"
#> [233] "R.methodsS3"   "R.oo"           "R.utils"        "R6"

```

```

#> [237] "ragg"           "rainbow"        "rappdirs"       "rbibutils"
#> [241] "rcmdcheck"      "RColorBrewer"   "Rcpp"           "RcppArmadillo"
#> [245] "RcppEigen"      "RcppGSL"        "RcppParallel"   "RcppTOML"
#> [249] "RCurl"          "Rdpack"         "readr"          "readxl"
#> [253] "recipes"        "RefManager"     "rematch"        "rematch2"
#> [257] "remotes"        "renv"           "reprex"         "reshape2"
#> [261] "reticulate"     "rex"            "rhub"           "rlang"
#> [265] "RMariaDB"       "rmarkdown"      "roxygen2"       "rpf"
#> [269] "RPostgres"      "rProject"       "rprojroot"      "rsample"
#> [273] "rsconnect"      "RSQLite"        "rstudioapi"     "rversions"
#> [277] "rvest"          "Ryacas"         "sass"           "scales"
#> [281] "selectr"        "semlbci"        "semmcci"        "sessioninfo"
#> [285] "shape"          "shiny"          "simStateSpace"  "slider"
#> [289] "snow"           "snowfall"       "sourcetools"    "SparseM"
#> [293] "SQUAREM"        "StanHeaders"    "stringi"        "stringr"
#> [297] "styler"         "symSEM"         "sys"            "systemfonts"
#> [301] "testthat"       "textshaping"    "tibble"         "tidymodels"
#> [305] "tidyr"          "tidyselect"     "tidyverse"      "timechange"
#> [309] "timeDate"       "tinytex"        "tune"           "tzdb"
#> [313] "ucminf"         "urlchecker"     "usethis"        "utf8"
#> [317] "uuid"           "V8"             "vctrs"          "viridis"
#> [321] "viridisLite"    "vroom"          "waldo"          "warp"
#> [325] "whisker"        "whoami"         "withr"          "workflows"
#> [329] "workflowsets"   "xfun"           "xml2"           "xmlparsedata"
#> [333] "xopen"          "xtable"         "yaml"           "yardstick"
#> [337] "zip"            "base"           "boot"           "class"
#> [341] "cluster"        "codetools"      "compiler"       "datasets"

```

```
#> [345] "foreign"      "graphics"      "grDevices"      "grid"
#> [349] "KernSmooth"   "lattice"        "MASS"            "Matrix"
#> [353] "methods"      "mgcv"           "nlme"            "nnet"
#> [357] "parallel"     "rpart"          "spatial"         "splines"
#> [361] "stats"        "stats4"         "survival"        "tcltk"
#> [365] "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/>