Session Info

Ivan Jacob Agaloos Pesigan

Session

```r
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/libopenblasp-r0.3.20.so;  LAPACK version 3.10.
#>
#> 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_1.4.1  R6_2.5.1         lubridate_1.9.3  xfun_0.43
#>  [5] magrittr_2.0.3   glue_1.7.0       stringr_1.5.1    knitr_1.46
#>  [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_0.10
#> [17] rprojroot_2.0.4  plyr_1.8.9       httr_1.4.7       rstudioapi_0.16.0
#> [21] tools_4.4.0      evaluate_0.23    Rcpp_1.0.12      RefManageR_1.4.0
#> [25] rlang_1.1.3      jsonlite_1.8.8   stringi_1.8.4
```

Packages

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

```
#>   [1] "cTMed"          "dynUtils"       "rProject"       "simStateSpace"
#>   [5] "abind"          "arrow"          "ash"            "AsioHeaders"
#>   [9] "askpass"        "assertthat"     "backports"      "base64enc"
#>  [13] "betaDelta"      "betaMC"         "betaNB"         "betaSandwich"
#>  [17] "BH"             "bibtex"         "BiocManager"    "bit"
#>  [21] "bit64"          "bitops"         "blob"           "brew"
```

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

```
#> [133] "httpuv"        "httr"          "httr2"           "ids"
#> [137] "ifaTools"      "igraph"        "infer"           "ini"
#> [141] "inline"        "ipred"         "isoband"         "iterators"
#> [145] "jomo"          "jpeg"          "jquerylib"       "jsonlite"
#> [149] "jsonvalidate"  "kernlab"       "knitr"           "ks"
#> [153] "labeling"      "Lahman"        "languageserver"  "later"
#> [157] "latex2exp"     "lava"          "lavaan"          "lazyeval"
#> [161] "lhs"           "lifecycle"     "lintr"           "listenv"
#> [165] "littler"       "lme4"          "locfit"          "longMI"
#> [169] "loo"           "lubridate"     "magick"          "magrittr"
#> [173] "manCTMed"      "markdown"      "MASS"            "MatrixModels"
#> [177] "matrixStats"   "mclust"        "memoise"         "metaSEM"
#> [181] "mice"          "microbenchmark" "mime"           "miniUI"
#> [185] "minqa"         "mitml"         "mize"            "mnormt"
#> [189] "modeldata"     "modelenv"      "modelr"          "MplusAutomation"
#> [193] "multicool"     "munsell"       "mvtnorm"         "nloptr"
#> [197] "numDeriv"      "nycflights13"  "OpenMx"          "openssl"
#> [201] "ordinal"       "pan"           "pander"          "parallelly"
#> [205] "parsnip"       "patchwork"     "pbapply"         "pbivnorm"
#> [209] "pbkrtest"      "pcaPP"         "pdftools"        "pillar"
#> [213] "pkgbuild"      "pkgconfig"     "pkgdown"         "pkgload"
#> [217] "plogr"         "plyr"          "png"             "posterior"
#> [221] "pracma"        "praise"        "prettyunits"     "printr"
#> [225] "processx"      "prodlim"       "profvis"         "progress"
#> [229] "progressr"     "promises"      "proto"           "ps"
#> [233] "psych"         "purrr"         "qgraph"          "qpdf"
#> [237] "quadprog"      "quantreg"      "quarto"          "QuickJSR"
```

```
#> [241] "R.cache"        "R.methodsS3"    "R.oo"           "R.utils"
#> [245] "R6"             "ragg"           "rainbow"        "rappdirs"
#> [249] "rbibutils"      "rcmdcheck"      "RColorBrewer"   "Rcpp"
#> [253] "RcppArmadillo"  "RcppEigen"      "RcppGSL"        "RcppParallel"
#> [257] "RcppTOML"       "RCurl"          "Rdpack"         "readr"
#> [261] "readxl"         "recipes"        "RefManageR"     "rematch"
#> [265] "rematch2"       "remotes"        "reprex"         "reshape2"
#> [269] "reticulate"     "rex"            "rhub"           "rlang"
#> [273] "RMariaDB"       "rmarkdown"      "roxygen2"       "rpf"
#> [277] "RPostgres"      "rProject"       "rprojroot"      "rsample"
#> [281] "RSQLite"        "rstan"          "rstantools"     "rstudioapi"
#> [285] "rversions"      "rvest"          "Ryacas"         "sass"
#> [289] "scales"         "selectr"        "semlbci"        "semmcci"
#> [293] "sessioninfo"    "shape"          "shiny"          "simStateSpace"
#> [297] "slider"         "snow"           "snowfall"       "sourcetools"
#> [301] "SparseM"        "SQUAREM"        "StanHeaders"    "statmod"
#> [305] "stringi"        "stringr"        "styler"         "symSEM"
#> [309] "sys"            "systemfonts"    "tensorA"        "testthat"
#> [313] "texreg"         "textshaping"    "tibble"         "tidymodels"
#> [317] "tidyr"          "tidyselect"     "tidyverse"      "timechange"
#> [321] "timeDate"       "tinytex"        "tune"           "tzdb"
#> [325] "ucminf"         "unigd"          "urlchecker"     "usethis"
#> [329] "utf8"           "uuid"           "V8"             "vctrs"
#> [333] "viridis"        "viridisLite"    "vroom"          "waldo"
#> [337] "warp"           "whisker"        "whoami"         "withr"
#> [341] "workflows"      "workflowsets"   "xfun"           "xml2"
#> [345] "xmlparsedata"   "xopen"          "xtable"         "yaml"
```

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