# 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/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] lavaan_0.6-18     semmcci_1.1.4.9000 rProject_0.0.13
#>
#> loaded via a namespace (and not attached):
#>  [1] httr_1.4.7       cli_3.6.3.9000   knitr_1.47       rlang_1.1.4
#>  [5] xfun_0.45        stringi_1.8.4    highr_0.11       generics_0.1.3
#>  [9] jsonlite_1.8.8   glue_1.7.0       backports_1.5.0  pbivnorm_0.6.0
#> [13] plyr_1.8.9       rprojroot_2.0.4  stats4_4.4.1     RefManageR_1.4.0
#> [17] quadprog_1.5-8   evaluate_0.24.0  lifecycle_1.0.4  stringr_1.5.1
#> [21] compiler_4.4.1   Rcpp_1.0.12      timechange_0.3.0 bibtex_0.5.1
#> [25] R6_2.5.1         parallel_4.4.1   mnormt_2.1.1     magrittr_2.0.3
#> [29] tools_4.4.1      lubridate_1.9.3  xml2_1.3.6
```

## Packages

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

#>  [1] "Amelia"        "arm"           "bmemLavaan"    "mi"
#>  [5] "pkgdown"       "pkgload"       "ps"            "roxygen2"
#>  [9] "rProject"      "rsem"          "sem"           "semmcci"
#> [13] "tinytex"       "yaml"          "abind"         "arrow"
#> [17] "ash"           "AsioHeaders"   "askpass"       "assertthat"
```

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

```
#> [129] "gsubfn"          "gtable"          "gtools"          "hardhat"
#> [133] "haven"           "hdrcde"          "here"            "highr"
#> [137] "Hmisc"           "hms"             "htmlTable"       "htmltools"
#> [141] "htmlwidgets"     "httpgd"          "httpuv"          "httr"
#> [145] "httr2"           "ids"             "ifaTools"        "igraph"
#> [149] "infer"           "ini"             "inline"          "ipred"
#> [153] "isoband"         "iterators"       "jomo"            "jpeg"
#> [157] "jquerylib"       "jsonlite"        "jsonvalidate"    "kernlab"
#> [161] "knitr"           "ks"              "labeling"        "Lahman"
#> [165] "languageserver"  "later"           "latex2exp"       "lava"
#> [169] "lavaan"          "lazyeval"        "lhs"             "lifecycle"
#> [173] "lintr"           "listenv"         "littler"         "lme4"
#> [177] "locfit"          "longMI"          "loo"             "lubridate"
#> [181] "magick"          "magrittr"        "markdown"        "MatrixModels"
#> [185] "matrixStats"     "mclust"          "memoise"         "metaSEM"
#> [189] "mice"            "microbenchmark"  "mime"            "miniUI"
#> [193] "minqa"           "mitml"           "mize"            "mnormt"
#> [197] "modeldata"       "modelenv"        "modelr"          "MplusAutomation"
#> [201] "multicool"       "munsell"         "mvtnorm"         "nloptr"
#> [205] "numDeriv"        "nycflights13"    "OpenMx"          "openssl"
#> [209] "ordinal"         "pan"             "pander"          "parallelly"
#> [213] "parsnip"         "patchwork"       "pbapply"         "pbivnorm"
#> [217] "pbkrtest"        "pcaPP"           "pdftools"        "pillar"
#> [221] "pkgbuild"        "pkgconfig"       "pkgdown"         "pkgload"
#> [225] "plogr"           "plyr"            "png"             "posterior"
#> [229] "pracma"          "praise"          "prettyunits"     "printr"
#> [233] "processx"        "prodlim"         "profvis"         "progress"
```

```
#> [237] "progressr"       "promises"       "proto"          "ps"
#> [241] "psych"           "purrr"          "qgraph"         "qpdf"
#> [245] "quadprog"        "quantreg"       "quarto"         "QuickJSR"
#> [249] "R.cache"         "R.methodsS3"    "R.oo"           "R.utils"
#> [253] "R6"              "ragg"           "rainbow"        "rappdirs"
#> [257] "rbibutils"       "rcmdcheck"      "RColorBrewer"   "Rcpp"
#> [261] "RcppArmadillo"   "RcppEigen"      "RcppGSL"        "RcppParallel"
#> [265] "RcppTOML"        "RCurl"          "Rdpack"         "readr"
#> [269] "readxl"          "recipes"        "RefManageR"     "rematch"
#> [273] "rematch2"        "remotes"        "reprex"         "reshape2"
#> [277] "reticulate"      "rex"            "rhub"           "rlang"
#> [281] "RMariaDB"        "rmarkdown"      "roxygen2"       "rpf"
#> [285] "RPostgres"       "rProject"       "rprojroot"      "rsample"
#> [289] "RSQLite"         "rstan"          "rstantools"     "rstudioapi"
#> [293] "rversions"       "rvest"          "Ryacas"         "sass"
#> [297] "scales"          "selectr"        "semlbci"        "semmcci"
#> [301] "sessioninfo"     "shape"          "shiny"          "simStateSpace"
#> [305] "slider"          "snow"           "snowfall"       "sourcetools"
#> [309] "SparseM"         "SQUAREM"        "StanHeaders"    "statmod"
#> [313] "stringi"         "stringr"        "styler"         "symSEM"
#> [317] "sys"             "systemfonts"    "tensorA"        "testthat"
#> [321] "texreg"          "textshaping"    "tibble"         "tidymodels"
#> [325] "tidyr"           "tidyselect"     "tidyverse"      "timechange"
#> [329] "timeDate"        "tinytex"        "tune"           "tzdb"
#> [333] "ucminf"          "unigd"          "urlchecker"     "usethis"
#> [337] "utf8"            "uuid"           "V8"             "vctrs"
#> [341] "viridis"         "viridisLite"    "vroom"          "waldo"
```

```
#> [345] "warp"          "whisker"        "whoami"       "withr"
#> [349] "workflows"      "workflowsets"   "xfun"         "xml2"
#> [353] "xmlparsedata"   "xopen"          "xtable"       "yaml"
#> [357] "yardstick"      "zip"            "base"         "boot"
#> [361] "class"          "cluster"        "codetools"    "compiler"
#> [365] "datasets"       "foreign"        "graphics"     "grDevices"
#> [369] "grid"           "KernSmooth"     "lattice"      "MASS"
#> [373] "Matrix"         "methods"        "mgcv"         "nlme"
#> [377] "nnet"           "parallel"       "rpart"        "spatial"
#> [381] "splines"        "stats"          "stats4"       "survival"
#> [385] "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*, *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/