Session Info

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Session

```r
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/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_0.0.5
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.4.1  R6_2.5.1          lubridate_1.9.3  xfun_0.41
#>  [5] magrittr_2.0.3   glue_1.6.2        stringr_1.5.1    knitr_1.45
#>  [9] timechange_0.2.0 generics_0.1.3   lifecycle_1.0.4  xml2_1.3.6
#> [13] cli_3.6.2.9000   bibtex_0.5.1     compiler_4.3.2   highr_0.10
#> [17] rprojroot_2.0.4  plyr_1.8.9       httr_1.4.7       tools_4.3.2
#> [21] evaluate_0.23    Rcpp_1.0.11      RefManageR_1.4.0 rlang_1.1.2
#> [25] jsonlite_1.8.8   stringi_1.8.3
```

Packages

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

#>  [1] "crosstalk"     "DT"            "longMI"        "abind"
#>  [5] "arrow"         "ash"          "askpass"       "assertthat"
#>  [9] "backports"     "base64enc"    "betaDelta"     "betaMC"
#> [13] "betaNB"        "betaSandwich" "BH"            "bibtex"
#> [17] "BiocManager"   "bit"          "bit64"         "bitops"
#> [21] "blob"          "brew"         "brio"          "broom"
```

```
#>  [25] "bslib"          "cachem"         "callr"          "car"
#>  [29] "caracas"        "carData"        "cellranger"     "cffr"
#>  [33] "checkmate"      "cli"            "clipr"          "clock"
#>  [37] "collections"    "colorspace"     "commonmark"     "conflicted"
#>  [41] "corpcor"        "covr"           "cpp11"          "crayon"
#>  [45] "credentials"    "curl"           "cyclocomp"      "data.table"
#>  [49] "DBI"            "dbplyr"         "Deriv"          "desc"
#>  [53] "deSolve"        "devtools"       "diagram"        "dials"
#>  [57] "DiceDesign"     "diffobj"        "digest"         "distro"
#>  [61] "doBy"           "docopt"         "downlit"        "dplyr"
#>  [65] "dtplyr"         "duckdb"         "dynr"           "ellipse"
#>  [69] "ellipsis"       "evaluate"       "fansi"          "farver"
#>  [73] "fastmap"        "fclust"         "fda"            "fdrtool"
#>  [77] "fds"            "FNN"            "fontawesome"    "forcats"
#>  [81] "foreach"        "Formula"        "fs"             "fst"
#>  [85] "fstcore"        "furrr"          "future"         "future.apply"
#>  [89] "gargle"         "generics"       "gert"           "ggplot2"
#>  [93] "ggrepel"        "gh"             "gitcreds"       "glasso"
#>  [97] "glmnet"         "globals"        "glue"           "googledrive"
#> [101] "googlesheets4"  "gower"          "GPfit"          "gridExtra"
#> [105] "gtable"         "gtools"         "hardhat"        "haven"
#> [109] "hdrcde"         "here"           "highr"          "Hmisc"
#> [113] "hms"            "htmlTable"      "htmltools"      "htmlwidgets"
#> [117] "httpgd"         "httpuv"         "httr"           "httr2"
#> [121] "ids"            "ifaTools"       "igraph"         "infer"
#> [125] "ini"            "ipred"          "isoband"        "iterators"
#> [129] "jomo"           "jpeg"           "jquerylib"      "jsonlite"
```

```
#> [133] "jsonvalidate"   "kernlab"        "knitr"           "ks"
#> [137] "labeling"       "Lahman"         "languageserver" "later"
#> [141] "latex2exp"      "lava"           "lavaan"          "lazyeval"
#> [145] "lhs"            "lifecycle"      "lintr"           "listenv"
#> [149] "littler"        "lme4"           "locfit"          "longMI"
#> [153] "lubridate"      "magick"         "magrittr"        "markdown"
#> [157] "MatrixModels"   "mclust"         "memoise"         "metaSEM"
#> [161] "mice"           "microbenchmark" "mime"            "miniUI"
#> [165] "minqa"          "misc3d"         "mitml"           "mnormt"
#> [169] "modeldata"      "modelenv"       "modelr"          "multicool"
#> [173] "munsell"        "mvtnorm"        "nloptr"          "numDeriv"
#> [177] "nycflights13"   "OpenMx"         "openssl"         "ordinal"
#> [181] "packrat"        "pan"            "parallelly"      "parsedate"
#> [185] "parsnip"        "patchwork"      "pbapply"         "pbivnorm"
#> [189] "pbkrtest"       "pcaPP"          "pdftools"        "pillar"
#> [193] "pkgbuild"       "pkgconfig"      "pkgdown"         "pkgload"
#> [197] "plogr"          "plot3D"         "plyr"            "png"
#> [201] "pracma"         "praise"         "prettyunits"     "printr"
#> [205] "processx"       "prodlim"        "profvis"         "progress"
#> [209] "progressr"      "promises"       "ps"              "psych"
#> [213] "purrr"          "qgraph"         "qpdf"            "quadprog"
#> [217] "quantreg"       "quarto"         "R.cache"         "R.methodsS3"
#> [221] "R.oo"           "R.utils"        "R6"              "ragg"
#> [225] "rainbow"        "rappdirs"       "rbibutils"       "rcmdcheck"
#> [229] "RColorBrewer"   "Rcpp"           "RcppArmadillo"   "RcppEigen"
#> [233] "RcppGSL"        "RcppParallel"   "RcppTOML"        "RCurl"
#> [237] "Rdpack"         "readr"          "readxl"          "recipes"
```

```
#> [241] "RefManageR"     "rematch"         "rematch2"        "remotes"
#> [245] "renv"           "reprex"          "reshape2"        "reticulate"
#> [249] "rex"            "rhub"            "rlang"           "RMariaDB"
#> [253] "rmarkdown"      "roxygen2"        "rpf"             "RPostgres"
#> [257] "rProject"       "rprojroot"       "rsample"         "rsconnect"
#> [261] "RSQLite"        "rstudioapi"      "rversions"       "rvest"
#> [265] "Ryacas"         "sass"            "scales"          "selectr"
#> [269] "semlbci"        "semmcci"         "sessioninfo"     "shape"
#> [273] "shiny"          "simStateSpace"   "slider"          "snow"
#> [277] "snowfall"       "sourcetools"     "SparseM"         "SQUAREM"
#> [281] "StanHeaders"    "stringi"         "stringr"         "styler"
#> [285] "symSEM"         "sys"             "systemfonts"     "testthat"
#> [289] "textshaping"    "tibble"          "tidymodels"      "tidyr"
#> [293] "tidyselect"     "tidyverse"       "timechange"      "timeDate"
#> [297] "tinytex"        "tune"            "tzdb"            "ucminf"
#> [301] "urlchecker"     "usethis"         "utf8"            "uuid"
#> [305] "V8"             "vctrs"           "viridis"         "viridisLite"
#> [309] "vroom"          "waldo"           "warp"            "whisker"
#> [313] "whoami"         "withr"           "workflows"       "workflowsets"
#> [317] "xfun"           "xml2"            "xmlparsedata"    "xopen"
#> [321] "xtable"         "yaml"            "yardstick"       "zip"
#> [325] "base"           "boot"            "class"           "cluster"
#> [329] "codetools"      "compiler"        "datasets"        "foreign"
#> [333] "graphics"       "grDevices"       "grid"            "KernSmooth"
#> [337] "lattice"        "MASS"            "Matrix"          "methods"
#> [341] "mgcv"           "nlme"            "nnet"            "parallel"
#> [345] "rpart"          "spatial"         "splines"         "stats"
```

```
#> [349] "stats4"        "survival"        "tcltk"          "tools"

#> [353] "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/