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
```

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#> 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_3.6.1.9000   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_1.8.2
```

Packages

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

#>  [1] "cli"         "crosstalk"    "DT"          "longMI"
#>  [5] "rProject"    "abind"        "arrow"       "ash"
#>  [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"         "collections"    "colorspace"
#>  [41] "commonmark"    "conflicted"    "corpcor"        "covr"
#>  [45] "cpp11"         "crayon"        "credentials"    "curl"
#>  [49] "cyclocomp"     "data.table"    "DBI"            "dbplyr"
#>  [53] "Deriv"         "desc"          "deSolve"        "devtools"
#>  [57] "diagram"       "dials"         "DiceDesign"     "diffobj"
#>  [61] "digest"        "distro"        "doBy"           "docopt"
#>  [65] "downlit"       "dplyr"         "dtplyr"         "duckdb"
#>  [69] "dynr"          "ellipse"       "ellipsis"       "evaluate"
#>  [73] "fansi"         "farver"        "fastmap"        "fclust"
#>  [77] "fda"           "fdrtool"       "fds"            "FNN"
#>  [81] "fontawesome"   "forcats"       "foreach"        "Formula"
#>  [85] "fs"            "fst"           "fstcore"        "furrr"
#>  [89] "future"        "future.apply"  "gargle"         "generics"
#>  [93] "gert"          "ggplot2"       "ggrepel"        "gh"
#>  [97] "gitcreds"      "glasso"        "glmnet"         "globals"
#> [101] "glue"          "googledrive"   "googlesheets4"  "gower"
#> [105] "GPfit"         "gridExtra"     "gtable"         "gtools"
#> [109] "hardhat"       "haven"         "hdrcde"         "here"
#> [113] "highr"         "Hmisc"         "hms"            "htmlTable"
#> [117] "htmltools"     "htmlwidgets"   "httpgd"         "httpuv"
#> [121] "httr"          "httr2"         "ids"            "ifaTools"
#> [125] "igraph"        "infer"         "ini"            "ipred"
#> [129] "isoband"       "iterators"     "jomo"           "jpeg"
```

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

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

```
#> [349] "stats"        "stats4"       "survival"      "tcltk"
#> [353] "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/