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_1.8.2
```

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/