Session Info

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Session

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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
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#> tzcode source: system (glibc)
#>
#> attached base packages:
#> [1] stats     graphics  grDevices utils     datasets  methods   base
#>
#> other attached packages:
#> [1] rProject_0.0.10
#>
#> 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_1.8.3
```

Packages

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

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

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#>  [25] "bslib"         "cachem"        "callr"         "car"
#>  [29] "caracas"       "carData"       "cellranger"    "cffr"
#>  [33] "checkmate"     "cli"           "clipr"         "clock"
#>  [37] "c0de"          "collections"   "colorspace"    "commonmark"
#>  [41] "conflicted"    "corpcor"       "covr"          "cpp11"
#>  [45] "crayon"        "credentials"   "crosstalk"     "cTMed"
#>  [49] "ctsem"         "curl"          "cyclocomp"     "data.table"
#>  [53] "DBI"           "dbplyr"        "Deriv"         "desc"
#>  [57] "deSolve"       "devtools"      "diagram"       "dials"
#>  [61] "DiceDesign"    "diffobj"       "digest"        "distributional"
#>  [65] "distro"        "doBy"          "docopt"        "doFuture"
#>  [69] "downlit"       "dplyr"         "DT"            "dtplyr"
#>  [73] "duckdb"        "dynr"          "dynUtils"      "ellipse"
#>  [77] "ellipsis"      "evaluate"      "expm"          "fansi"
#>  [81] "farver"        "fastmap"       "fclust"        "fda"
#>  [85] "fdrtool"       "fds"           "FNN"           "fontawesome"
#>  [89] "forcats"       "foreach"       "Formula"       "fs"
#>  [93] "fst"           "fstcore"       "furrr"         "future"
#>  [97] "future.apply"  "gargle"        "generics"      "gert"
#> [101] "ggplot2"       "ggrepel"       "gh"            "gitcreds"
#> [105] "glasso"        "glmnet"        "globals"       "glue"
#> [109] "googledrive"   "googlesheets4" "gower"         "GPfit"
#> [113] "gridExtra"     "gtable"        "gtools"        "hardhat"
#> [117] "haven"         "hdrcde"        "here"          "highr"
#> [121] "Hmisc"         "hms"           "htmlTable"     "htmltools"
#> [125] "htmlwidgets"   "httpgd"        "httpuv"        "httr"
#> [129] "httr2"         "ids"           "ifaTools"      "igraph"
```

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

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

```
#> [349] "KernSmooth"    "lattice"      "MASS"         "Matrix"
#> [353] "methods"       "mgcv"         "nlme"         "nnet"
#> [357] "parallel"      "rpart"        "spatial"      "splines"
#> [361] "stats"         "stats4"       "survival"     "tcltk"
#> [365] "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/