

Session Info

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Session

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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/libopenblas-p0.3.20.so; LAPACK version 3.10.3
#>
#> 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] lavaan_0.6-18      semmcci_1.1.4.9000 rProject_0.0.14
#>
#> loaded via a namespace (and not attached):
#> [1] httr_1.4.7      cli_3.6.3.9000   knitr_1.48      rlang_1.1.4
#> [5] xfun_0.47       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_1.0.13      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

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Packages

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

#> [1] "Amelia"      "bmemLavaan"    "mi"
#> [4] "rsem"        "sem"           "semmcci"
#> [7] "abind"       "arm"           "arrow"
#> [10] "ash"         "AsioHeaders"   "askpass"
#> [13] "assertthat"  "backports"     "base64enc"

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#> [16] "betaDelta"      "betaMC"          "betaNB"
#> [19] "betaSandwich"   "BH"              "bibtex"
#> [22] "BiocManager"    "bit"             "bit64"
#> [25] "bitops"         "blob"            "brew"
#> [28] "brio"           "broom"           "bslib"
#> [31] "cachem"         "callr"           "car"
#> [34] "caracas"        "carData"         "cellranger"
#> [37] "cfrfr"          "checkmate"       "cli"
#> [40] "clipr"          "clock"           "clusterGeneration"
#> [43] "coda"           "cOde"            "collections"
#> [46] "colorspace"     "commonmark"      "conflicted"
#> [49] "corpcor"        "covr"            "cowplot"
#> [52] "cpp11"          "crayon"          "credentials"
#> [55] "crosstalk"      "cTMed"           "ctsem"
#> [58] "curl"           "cyclocomp"       "data.table"
#> [61] "DBI"            "dbplyr"          "Deriv"
#> [64] "desc"           "deSolve"         "devtools"
#> [67] "diagram"        "dials"           "DiceDesign"
#> [70] "diffobj"        "digest"          "distributional"
#> [73] "distro"         "doBy"            "docopt"
#> [76] "doFuture"       "downlit"         "dplyr"
#> [79] "DT"             "dtplyr"          "duckdb"
#> [82] "dynr"           "dynUtils"        "ellipse"
#> [85] "ellipsis"       "evaluate"        "expm"
#> [88] "fansI"          "farver"          "fastDummies"
#> [91] "fastmap"        "fclust"          "fda"
#> [94] "fdrtool"        "fds"             "fitCTVARMx"

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#> [97] "fitDTVARmX"      "FNN"              "fontawesome"
#> [100] "forcats"         "foreach"          "Formula"
#> [103] "fs"              "fst"              "fstcore"
#> [106] "furrr"           "future"           "future.apply"
#> [109] "gargle"          "generics"         "gert"
#> [112] "ggplot2"         "ggrepel"          "gh"
#> [115] "gitcreds"        "glasso"           "glmnet"
#> [118] "globals"         "glue"             "googledrive"
#> [121] "googlesheets4"   "gower"            "GPArotation"
#> [124] "GPfit"           "graphicalVAR"     "gridExtra"
#> [127] "gsubfn"          "gtable"           "gtools"
#> [130] "hardhat"         "haven"            "hdrcde"
#> [133] "here"            "highr"            "Hmisc"
#> [136] "hms"             "htmlTable"        "htmltools"
#> [139] "htmlwidgets"     "httpgd"           "httpuv"
#> [142] "httr"            "httr2"            "ids"
#> [145] "ifaTools"        "igraph"           "infer"
#> [148] "ini"             "inline"           "ipred"
#> [151] "isoband"         "iterators"        "jomo"
#> [154] "jpeg"           "jquerylib"        "jsonlite"
#> [157] "jsonvalidate"    "kernlab"          "knitr"
#> [160] "ks"              "labeling"         "Lahman"
#> [163] "languageserver"  "later"            "latex2exp"
#> [166] "lava"           "lavaan"           "lazyeval"
#> [169] "lhs"            "lifecycle"        "lintr"
#> [172] "listenv"         "littler"          "lme4"
#> [175] "locfit"          "longMI"           "loo"

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#> [178] "lubridate"      "magick"          "magrittr"
#> [181] "markdown"      "MatrixModels"   "matrixStats"
#> [184] "mclust"        "memoise"        "metaSEM"
#> [187] "metaVAR"       "mice"           "microbenchmark"
#> [190] "mime"          "miniUI"         "minqa"
#> [193] "mitml"         "mize"           "mlVAR"
#> [196] "mnormt"        "modeldata"      "modelenv"
#> [199] "modelr"        "MplusAutomation" "multicool"
#> [202] "munsell"       "mvtnorm"        "nloptr"
#> [205] "numDeriv"      "nycflights13"   "OpenMx"
#> [208] "openssl"       "ordinal"        "pan"
#> [211] "pander"        "parallelly"     "parsnip"
#> [214] "patchwork"     "pbapply"        "pbivnorm"
#> [217] "pbkrtest"      "pcaPP"          "pdftools"
#> [220] "pillar"        "pkgbuild"       "pkgconfig"
#> [223] "pkgdown"       "pkgload"        "plogr"
#> [226] "plyr"          "png"            "posterior"
#> [229] "pracma"        "praise"         "prettyunits"
#> [232] "printr"        "processx"       "prodlm"
#> [235] "profvis"       "progress"       "progressr"
#> [238] "promises"      "proto"          "ps"
#> [241] "psych"         "purrr"          "qgraph"
#> [244] "qpdf"          "quadprog"       "quantreg"
#> [247] "quarto"        "QuickJSR"       "R.cache"
#> [250] "R.methodsS3"   "R.oo"           "R.utils"
#> [253] "R6"            "ragg"           "rainbow"
#> [256] "rappdirs"      "rbibutils"      "rcmdcheck"

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#> [259] "RColorBrewer"      "Rcpp"      "RcppArmadillo"
#> [262] "RcppEigen"         "RcppGSL"   "RcppParallel"
#> [265] "RcppTOML"          "RCurl"     "Rdpack"
#> [268] "readr"             "readxl"    "recipes"
#> [271] "RefManager"        "rematch"   "rematch2"
#> [274] "remotes"           "reprex"    "reshape2"
#> [277] "reticulate"        "rex"       "rhub"
#> [280] "rlang"             "RMariaDB"  "rmarkdown"
#> [283] "roxygen2"          "rpf"       "RPostgres"
#> [286] "rProject"          "rprojroot" "rsample"
#> [289] "RSQLite"           "rstan"     "rstantools"
#> [292] "rstudioapi"        "rversions" "rvest"
#> [295] "Ryacas"            "sass"      "scales"
#> [298] "selectr"           "semlbci"   "semmccci"
#> [301] "sessioninfo"       "sfd"       "shape"
#> [304] "shiny"             "simStateSpace" "slider"
#> [307] "snow"              "snowfall"  "sourcetools"
#> [310] "SparseM"           "SQUAREM"   "StanHeaders"
#> [313] "statmod"           "stringi"   "stringr"
#> [316] "styler"            "symSEM"    "sys"
#> [319] "systemfonts"       "tensorA"   "testthat"
#> [322] "texreg"            "textshaping" "tibble"
#> [325] "tidymodels"        "tidyr"     "tidyselect"
#> [328] "tidyverse"         "timechange" "timeDate"
#> [331] "tinytex"           "tune"      "tzdb"
#> [334] "ucminf"            "unigd"     "urlchecker"
#> [337] "usethis"           "utf8"      "uuid"

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#> [340] "V8" "vctrs" "viridis"
#> [343] "viridisLite" "vroom" "waldo"
#> [346] "warp" "whisker" "whoami"
#> [349] "withr" "workflows" "workflowsets"
#> [352] "xfun" "xml2" "xmlparsedata"
#> [355] "xopen" "xtable" "yaml"
#> [358] "yardstick" "zip" "base"
#> [361] "boot" "class" "cluster"
#> [364] "codetools" "compiler" "datasets"
#> [367] "foreign" "graphics" "grDevices"
#> [370] "grid" "KernSmooth" "lattice"
#> [373] "MASS" "Matrix" "methods"
#> [376] "mgcv" "nlme" "nnet"
#> [379] "parallel" "rpart" "spatial"
#> [382] "splines" "stats" "stats4"
#> [385] "survival" "tcltk" "tools"
#> [388] "utils"

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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/>