

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_0.0.13
#>
#> loaded via a namespace (and not attached):
#> [1] httr_1.4.7      cli_3.6.3.9000   knitr_1.47      rlang_1.1.4
#> [5] xfun_0.45       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_1.0.12      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"      "arm"          "bmemLavaan"   "mi"
#> [5] "pkgload"     "ps"           "roxygen2"     "rProject"
#> [9] "rsem"        "sem"          "semmcci"      "tinytex"
#> [13] "abind"       "arrow"        "ash"          "AsioHeaders"
#> [17] "askpass"     "assertthat"   "backports"    "base64enc"

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#> [21]	"betaDelta"	"betaMC"	"betaNB"	"betaSandwich"
#> [25]	"BH"	"bibtex"	"BiocManager"	"bit"
#> [29]	"bit64"	"bitops"	"blob"	"brew"
#> [33]	"brio"	"broom"	"bslib"	"cachem"
#> [37]	"callr"	"car"	"caracas"	"carData"
#> [41]	"cellranger"	"cfr"	"checkmate"	"cli"
#> [45]	"clipr"	"clock"	"coda"	"c0de"
#> [49]	"collections"	"colorspace"	"commonmark"	"conflicted"
#> [53]	"corpcor"	"covr"	"cowplot"	"cpp11"
#> [57]	"crayon"	"credentials"	"crosstalk"	"cTMed"
#> [61]	"ctsem"	"curl"	"cyclocomp"	"data.table"
#> [65]	"DBI"	"dbplyr"	"Deriv"	"desc"
#> [69]	"deSolve"	"devtools"	"diagram"	"dials"
#> [73]	"DiceDesign"	"diffobj"	"digest"	"distributional"
#> [77]	"distro"	"doBy"	"docopt"	"doFuture"
#> [81]	"downlit"	"dplyr"	"DT"	"dtplyr"
#> [85]	"duckdb"	"dynr"	"dynUtils"	"ellipse"
#> [89]	"ellipsis"	"evaluate"	"expm"	"fansit"
#> [93]	"farver"	"fastDummies"	"fastmap"	"fclust"
#> [97]	"fda"	"fdrtool"	"fds"	"FNN"
#> [101]	"fontawesome"	"forcats"	"foreach"	"Formula"
#> [105]	"fs"	"fst"	"fstcore"	"furryr"
#> [109]	"future"	"future.apply"	"gargle"	"generics"
#> [113]	"gert"	"ggplot2"	"ggrepel"	"gh"
#> [117]	"gitcreds"	"glasso"	"glmnet"	"globals"
#> [121]	"glue"	"googledrive"	"googlesheets4"	"gower"
#> [125]	"GPfit"	"gridExtra"	"gsubfn"	"gtable"

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#> [129] "gtools"          "hardhat"          "haven"             "hdrcde"
#> [133] "here"            "highr"             "Hmisc"              "hms"
#> [137] "htmlTable"       "htmltools"         "htmlwidgets"        "httpgd"
#> [141] "httpuv"          "httr"              "httr2"              "ids"
#> [145] "ifaTools"        "igraph"            "infer"              "ini"
#> [149] "inline"          "ipred"             "isoband"            "iterators"
#> [153] "jomo"            "jpeg"              "jquerylib"          "jsonlite"
#> [157] "jsonvalidate"    "kernlab"           "knitr"              "ks"
#> [161] "labeling"        "Lahman"            "languageserver"     "later"
#> [165] "latex2exp"       "lava"              "lavaan"             "lazyeval"
#> [169] "lhs"            "lifecycle"         "lintr"              "listenv"
#> [173] "littler"         "lme4"              "locfit"             "longMI"
#> [177] "loo"            "lubridate"         "magick"             "magrittr"
#> [181] "markdown"        "MatrixModels"      "matrixStats"        "mclust"
#> [185] "memoise"         "metaSEM"           "mice"               "microbenchmark"
#> [189] "mime"            "miniUI"            "minqa"              "mitml"
#> [193] "mize"            "mnormt"            "modeldata"          "modelenv"
#> [197] "modelr"          "MplusAutomation"  "multicool"          "munsell"
#> [201] "mvtnorm"         "nloptr"            "numDeriv"           "nycflights13"
#> [205] "OpenMx"          "openssl"           "ordinal"            "pan"
#> [209] "pander"          "parallelly"        "parsnip"            "patchwork"
#> [213] "pbapply"         "pbivnorm"          "pbkrtest"           "pcaPP"
#> [217] "pdftools"        "pillar"            "pkgbuild"           "pkgconfig"
#> [221] "pkgdown"         "pkgload"           "plogr"              "plyr"
#> [225] "png"            "posterior"         "pracma"             "praise"
#> [229] "prettyunits"     "printr"            "processx"           "prodlim"
#> [233] "profvis"         "progress"          "progressr"          "promises"

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#> [237] "proto"      "ps"      "psych"    "purrr"
#> [241] "qgraph"     "qpdf"     "quadprog" "quantreg"
#> [245] "quarto"     "QuickJSR" "R.cache"   "R.methodsS3"
#> [249] "R.oo"       "R.utils"  "R6"        "ragg"
#> [253] "rainbow"    "rappdirs" "rbibutils" "rcmdcheck"
#> [257] "RColorBrewer" "Rcpp"     "RcppArmadillo" "RcppEigen"
#> [261] "RcppGSL"    "RcppParallel" "RcppTOML" "RCurl"
#> [265] "Rdpack"     "readr"    "readxl"    "recipes"
#> [269] "RefManager" "rematch"   "rematch2"  "remotes"
#> [273] "reprex"     "reshape2" "reticulate" "rex"
#> [277] "rhub"       "rlang"    "RMariaDB"  "rmarkdown"
#> [281] "roxygen2"   "rpf"      "RPostgres" "rProject"
#> [285] "rprojroot"  "rsample"  "RSQLite"   "rstan"
#> [289] "rstantools" "rstudioapi" "rversions" "rvest"
#> [293] "Ryacas"     "sass"     "scales"    "selectr"
#> [297] "semlbci"    "semmcci"  "sessioninfo" "shape"
#> [301] "shiny"      "simStateSpace" "slider"    "snow"
#> [305] "snowfall"   "sourcetools" "SparseM"    "SQUAREM"
#> [309] "StanHeaders" "statmod"   "stringi"    "stringr"
#> [313] "styler"     "symSEM"    "sys"        "systemfonts"
#> [317] "tensorA"    "testthat"  "texreg"     "textshaping"
#> [321] "tibble"     "tidymodels" "tidyr"      "tidyselect"
#> [325] "tidyverse"  "timechange" "timeDate"   "tinytex"
#> [329] "tune"       "tzdb"      "ucminf"     "unigd"
#> [333] "urlchecker" "usethis"   "utf8"       "uuid"
#> [337] "V8"         "vctrs"     "viridis"    "viridisLite"
#> [341] "vroom"      "waldo"     "warp"       "whisker"

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#> [345] "whoami"      "withr"      "workflows"  "workflowsets"
#> [349] "xfun"        "xml2"       "xmlparsedata" "xopen"
#> [353] "xtable"     "yaml"      "yardstick"  "zip"
#> [357] "base"       "boot"      "class"      "cluster"
#> [361] "codetools"  "compiler"  "datasets"   "foreign"
#> [365] "graphics"   "grDevices" "grid"       "KernSmooth"
#> [369] "lattice"    "MASS"      "Matrix"     "methods"
#> [373] "mgcv"       "nlme"      "nnet"       "parallel"
#> [377] "rpart"      "spatial"   "splines"    "stats"
#> [381] "stats4"     "survival"  "tcltk"      "tools"
#> [385] "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/>