

Session Info

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Session

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sessionInfo()  
  
#> R version 4.4.2 (2024-10-31)  
#> Platform: x86_64-pc-linux-gnu  
#> Running under: Ubuntu 24.04.1 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-p0.3.26.so; LAPACK version 3.12.  
#>  
#> 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_0.0.14
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.5.0  R6_2.5.1          lubridate_1.9.4  xfun_0.50
#> [5] magrittr_2.0.3   glue_1.8.0         stringr_1.5.1    knitr_1.49
#> [9] timechange_0.3.0 generics_0.1.3     lifecycle_1.0.4  xml2_1.3.6
#> [13] cli_3.6.3.9001   bibtex_0.5.1       compiler_4.4.2   highr_0.11
#> [17] rprojroot_2.0.4  plyr_1.8.9         httr_1.4.7       tools_4.4.2
#> [21] evaluate_1.0.1   Rcpp_1.0.13-1      RefManageR_1.4.0 rlang_1.1.4
#> [25] jsonlite_1.8.9   stringi_1.8.4

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Packages

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

#> [1] "cTMed"          "abind"           "arm"
#> [4] "arrow"          "ash"             "AsioHeaders"
#> [7] "askpass"        "assertthat"      "backports"
#> [10] "base64enc"      "betaDelta"       "betaMC"
#> [13] "betaNB"         "betaSandwich"    "BH"
#> [16] "bibtex"         "BiocManager"     "bit"

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#> [19] "bit64"          "bitops"         "blob"
#> [22] "brew"           "brio"           "broom"
#> [25] "bslib"          "cachem"         "callr"
#> [28] "car"            "caracas"        "carData"
#> [31] "cellranger"     "cfr"            "checkmate"
#> [34] "cli"            "clipr"          "clock"
#> [37] "clusterGeneration" "coda"          "c0de"
#> [40] "collections"    "colorspace"     "commonmark"
#> [43] "conflicted"     "corpcor"        "covr"
#> [46] "cowplot"        "cpp11"          "crayon"
#> [49] "credentials"    "crosstalk"      "cTMed"
#> [52] "ctsem"          "curl"           "cyclocomp"
#> [55] "data.table"     "DBI"            "dbplyr"
#> [58] "Deriv"          "desc"           "deSolve"
#> [61] "devtools"       "diagram"        "dials"
#> [64] "DiceDesign"     "diffobj"        "digest"
#> [67] "distributional" "distro"         "doBy"
#> [70] "docopt"         "doFuture"       "downlit"
#> [73] "dplyr"          "DT"             "dtplyr"
#> [76] "dynr"           "dynUtils"       "ellipse"
#> [79] "ellipsis"       "evaluate"       "expm"
#> [82] "fansi"          "farver"         "fastDummies"
#> [85] "fastmap"        "fclust"         "fda"
#> [88] "fdrtool"        "fds"            "fitCTVARMx"
#> [91] "fitDTVARMx"     "FNN"            "fontawesome"
#> [94] "forcats"        "foreach"        "Formula"
#> [97] "fs"             "fst"            "fstcore"

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#> [100] "furrr"           "future"           "future.apply"
#> [103] "gargle"          "generics"         "gert"
#> [106] "ggplot2"         "ggrepel"          "gh"
#> [109] "gitcreds"        "glasso"           "glmnet"
#> [112] "globals"         "glue"             "googledrive"
#> [115] "googlesheets4"   "gower"            "GPArotation"
#> [118] "GPfit"           "graphicalVAR"     "gridExtra"
#> [121] "gsubfn"          "gtable"           "gtools"
#> [124] "hardhat"         "haven"            "hdcrcde"
#> [127] "here"            "highr"            "Hmisc"
#> [130] "hms"             "htmlTable"        "htmltools"
#> [133] "htmlwidgets"     "httpgd"           "httpuv"
#> [136] "httr"            "httr2"            "ids"
#> [139] "ifaTools"        "igraph"           "infer"
#> [142] "ini"             "inline"           "ipred"
#> [145] "isoband"         "iterators"        "jomo"
#> [148] "jpeg"            "jquerylib"        "jsonlite"
#> [151] "jsonvalidate"    "kernlab"          "knitr"
#> [154] "ks"              "labeling"         "Lahman"
#> [157] "languageserver"  "later"            "latex2exp"
#> [160] "lava"            "lavaan"           "lazyeval"
#> [163] "lhs"             "lifecycle"        "lintr"
#> [166] "listenv"         "littler"          "lme4"
#> [169] "locfit"          "longMI"           "loo"
#> [172] "lubridate"       "magick"           "magrittr"
#> [175] "markdown"        "MatrixModels"     "matrixStats"
#> [178] "mclust"          "memoise"          "metaSEM"

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#> [181] "metaVAR"          "mice"              "microbenchmark"
#> [184] "mime"             "miniUI"            "minqa"
#> [187] "mitml"            "mize"              "mlVAR"
#> [190] "mnormt"           "modeldata"         "modelenv"
#> [193] "modelr"           "MplusAutomation"  "multicool"
#> [196] "munsell"          "mvtnorm"           "nloptr"
#> [199] "numDeriv"         "nycflights13"      "OpenMx"
#> [202] "openssl"          "ordinal"           "pan"
#> [205] "pander"           "parallelly"        "parsnip"
#> [208] "patchwork"        "pbapply"           "pbivnorm"
#> [211] "pbkrtest"         "pcaPP"             "pdftools"
#> [214] "pillar"           "pkgbuild"          "pkgconfig"
#> [217] "pkgdown"          "pkgload"           "plogr"
#> [220] "plyr"             "png"               "posterior"
#> [223] "pracma"           "praise"            "prettyunits"
#> [226] "printr"           "processx"          "prodlm"
#> [229] "profvis"          "progress"          "progressr"
#> [232] "promises"         "proto"             "ps"
#> [235] "psych"            "purrr"             "qgraph"
#> [238] "qpdf"             "quadprog"          "quantreg"
#> [241] "quarto"           "QuickJSR"          "R.cache"
#> [244] "R.methodsS3"      "R.oo"              "R.utils"
#> [247] "R6"               "ragg"              "rainbow"
#> [250] "rappdirs"         "rbibutils"         "rcmdcheck"
#> [253] "RColorBrewer"     "Rcpp"              "RcppArmadillo"
#> [256] "RcppEigen"        "RcppGSL"           "RcppParallel"
#> [259] "RcppTOML"         "RCurl"             "Rdpack"

```

#> [262]	"readr"	"readxl"	"recipes"
#> [265]	"RefManager"	"rematch"	"rematch2"
#> [268]	"remotes"	"reprex"	"reshape2"
#> [271]	"reticulate"	"rex"	"rhub"
#> [274]	"rjags"	"rlang"	"RMariaDB"
#> [277]	"rmarkdown"	"roxygen2"	"rpf"
#> [280]	"RPostgres"	"rProject"	"rprojroot"
#> [283]	"rsample"	"RSQLite"	"rstan"
#> [286]	"rstantools"	"rstudioapi"	"rversions"
#> [289]	"rvest"	"Ryacas"	"sass"
#> [292]	"scales"	"selectr"	"semlbci"
#> [295]	"semmccci"	"sessioninfo"	"sfd"
#> [298]	"shape"	"shiny"	"simStateSpace"
#> [301]	"slider"	"snow"	"snowfall"
#> [304]	"sourcetools"	"SparseM"	"SQUAREM"
#> [307]	"StanHeaders"	"statmod"	"stringi"
#> [310]	"stringr"	"styler"	"symSEM"
#> [313]	"sys"	"systemfonts"	"tensorA"
#> [316]	"testthat"	"texreg"	"textshaping"
#> [319]	"tibble"	"tidymodels"	"tidyr"
#> [322]	"tidyselect"	"tidyverse"	"timechange"
#> [325]	"timeDate"	"tinytex"	"tune"
#> [328]	"tzdb"	"ucminf"	"unigd"
#> [331]	"urlchecker"	"usethis"	"utf8"
#> [334]	"uuid"	"V8"	"vctrs"
#> [337]	"viridis"	"viridisLite"	"vroom"
#> [340]	"waldo"	"warp"	"whisker"

```

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