

Session Info

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Session

```
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_0.0.17
#>
#> 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_3.6.3.9002  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_1.0.3   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"	"prodlim"
#> [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"	"reformulas"	"rematch"
#> [268]	"rematch2"	"remotes"	"reprex"
#> [271]	"reshape2"	"reticulate"	"rex"
#> [274]	"rhub"	"rjags"	"rlang"
#> [277]	"RMariaDB"	"rmarkdown"	"roxygen2"
#> [280]	"rpf"	"RPostgres"	"rProject"
#> [283]	"rprojroot"	"rsample"	"RSQLite"
#> [286]	"rstan"	"rstantools"	"rstudioapi"
#> [289]	"rversions"	"rvest"	"Ryacas"
#> [292]	"sass"	"scales"	"selectr"
#> [295]	"semlbci"	"semmcci"	"sessioninfo"
#> [298]	"sfd"	"shape"	"shiny"
#> [301]	"simStateSpace"	"slider"	"snow"
#> [304]	"snowfall"	"sourcetools"	"SparseM"
#> [307]	"SQUAREM"	"StanHeaders"	"statmod"
#> [310]	"stringi"	"stringr"	"styler"
#> [313]	"symSEM"	"sys"	"systemfonts"
#> [316]	"tensorA"	"testthat"	"texreg"
#> [319]	"textshaping"	"tibble"	"tidymodels"
#> [322]	"tidyr"	"tidyselect"	"tidyverse"
#> [325]	"timechange"	"timeDate"	"tinytex"
#> [328]	"tune"	"tzdb"	"ucminf"
#> [331]	"unigd"	"urlchecker"	"usethis"
#> [334]	"utf8"	"uuid"	"V8"
#> [337]	"vctrs"	"viridis"	"viridisLite"
#> [340]	"vroom"	"waldo"	"warp"

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