

# 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] rProject_0.0.14
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.5.0  R6_2.5.1          lubridate_1.9.3  xfun_0.48
#> [5] magrittr_2.0.3   glue_1.8.0        stringr_1.5.1    knitr_1.48
#> [9] timechange_0.3.0 generics_0.1.3    lifecycle_1.0.4  xml2_1.3.6
#> [13] cli_3.6.3.9000  bibtex_0.5.1      compiler_4.4.1   highr_0.11
#> [17] rprojroot_2.0.4  plyr_1.8.9        httr_1.4.7       tools_4.4.1
#> [21] evaluate_1.0.0   Rcpp_1.0.13       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] "askpass"          "betaDelta"        "cli"
#> [4] "commonmark"       "credentials"       "curl"
#> [7] "devtools"         "evaluate"          "gert"
#> [10] "glue"             "httr2"             "jsonlite"
#> [13] "openssl"         "pkgdown"           "profvis"
#> [16] "ps"              "rProject"          "sys"

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#> [19] "tinytex"      "V8"           "xfun"
#> [22] "abind"        "arm"          "arrow"
#> [25] "ash"          "AsioHeaders"  "askpass"
#> [28] "assertthat"   "backports"    "base64enc"
#> [31] "betaDelta"    "betaMC"       "betaNB"
#> [34] "betaSandwich" "BH"           "bibtex"
#> [37] "BiocManager"  "bit"          "bit64"
#> [40] "bitops"       "blob"         "brew"
#> [43] "brio"         "broom"        "bslib"
#> [46] "cachem"       "callr"        "car"
#> [49] "caracas"      "carData"      "cellranger"
#> [52] "cfr"          "checkmate"    "cli"
#> [55] "clipr"        "clock"        "clusterGeneration"
#> [58] "coda"         "c0de"         "collections"
#> [61] "colorspace"   "commonmark"   "conflicted"
#> [64] "corpcor"      "covr"         "cowplot"
#> [67] "cpp11"        "crayon"       "credentials"
#> [70] "crosstalk"    "cTMed"        "ctsem"
#> [73] "curl"         "cyclocomp"    "data.table"
#> [76] "DBI"          "dbplyr"       "Deriv"
#> [79] "desc"         "deSolve"      "devtools"
#> [82] "diagram"      "dials"        "DiceDesign"
#> [85] "diffobj"      "digest"       "distributional"
#> [88] "distro"       "doBy"         "docopt"
#> [91] "doFuture"     "downlit"      "dplyr"
#> [94] "DT"           "dtplyr"       "duckdb"
#> [97] "dynr"         "dynUtils"     "ellipse"

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#> [100] "ellipsis"      "evaluate"      "expm"
#> [103] "fansl"         "farver"        "fastDummies"
#> [106] "fastmap"       "fclust"        "fda"
#> [109] "fdrtool"       "fds"           "fitCTVARMx"
#> [112] "fitDTVARMx"    "FNN"           "fontawesome"
#> [115] "forcats"       "foreach"       "Formula"
#> [118] "fs"            "fst"           "fstcore"
#> [121] "furrr"         "future"        "future.apply"
#> [124] "gargle"        "generics"      "gert"
#> [127] "ggplot2"       "ggrepel"       "gh"
#> [130] "gitcreds"      "glasso"        "glmnet"
#> [133] "globals"       "glue"          "googledrive"
#> [136] "googlesheets4" "gower"         "GPArotation"
#> [139] "GPfit"         "graphicalVAR"  "gridExtra"
#> [142] "gsubfn"        "gtable"        "gtools"
#> [145] "hardhat"       "haven"         "hdcde"
#> [148] "here"          "highr"         "Hmisc"
#> [151] "hms"           "htmlTable"     "htmltools"
#> [154] "htmlwidgets"   "httpgd"        "httpuv"
#> [157] "httr"          "httr2"         "ids"
#> [160] "ifaTools"      "igraph"        "infer"
#> [163] "ini"           "inline"        "ipred"
#> [166] "isoband"       "iterators"     "jomo"
#> [169] "jpeg"          "jquerylib"     "jsonlite"
#> [172] "jsonvalidate"  "kernlab"       "knitr"
#> [175] "ks"            "labeling"      "Lahman"
#> [178] "languageserver" "later"         "latex2exp"

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#> [181]	"lava"	"lavaan"	"lazyeval"
#> [184]	"lhs"	"lifecycle"	"lintr"
#> [187]	"listenv"	"littler"	"lme4"
#> [190]	"locfit"	"longMI"	"loo"
#> [193]	"lubridate"	"magick"	"magrittr"
#> [196]	"markdown"	"MatrixModels"	"matrixStats"
#> [199]	"mclust"	"memoise"	"metaSEM"
#> [202]	"metaVAR"	"mice"	"microbenchmark"
#> [205]	"mime"	"miniUI"	"minqa"
#> [208]	"mitml"	"mize"	"mlVAR"
#> [211]	"mnormt"	"modeldata"	"modelenv"
#> [214]	"modelr"	"MplusAutomation"	"multicool"
#> [217]	"munsell"	"mvtnorm"	"nloptr"
#> [220]	"numDeriv"	"nycflights13"	"OpenMx"
#> [223]	"openssl"	"ordinal"	"pan"
#> [226]	"pander"	"parallelly"	"parsnip"
#> [229]	"patchwork"	"pbapply"	"pbivnorm"
#> [232]	"pbkrtest"	"pcaPP"	"pdftools"
#> [235]	"pillar"	"pkgbuild"	"pkgconfig"
#> [238]	"pkgdown"	"pkgload"	"plogr"
#> [241]	"plyr"	"png"	"posterior"
#> [244]	"pracma"	"praise"	"prettyunits"
#> [247]	"printr"	"processx"	"prodlim"
#> [250]	"profvis"	"progress"	"progressr"
#> [253]	"promises"	"proto"	"ps"
#> [256]	"psych"	"purrr"	"qgraph"
#> [259]	"qpdf"	"quadprog"	"quantreg"

#> [262]	"quarto"	"QuickJSR"	"R.cache"
#> [265]	"R.methodsS3"	"R.oo"	"R.utils"
#> [268]	"R6"	"ragg"	"rainbow"
#> [271]	"rappdirs"	"rbibutils"	"rcmdcheck"
#> [274]	"RColorBrewer"	"Rcpp"	"RcppArmadillo"
#> [277]	"RcppEigen"	"RcppGSL"	"RcppParallel"
#> [280]	"RcppTOML"	"RCurl"	"Rdpack"
#> [283]	"readr"	"readxl"	"recipes"
#> [286]	"RefManager"	"rematch"	"rematch2"
#> [289]	"remotes"	"reprex"	"reshape2"
#> [292]	"reticulate"	"rex"	"rhub"
#> [295]	"rjags"	"rlang"	"RMariaDB"
#> [298]	"rmarkdown"	"roxygen2"	"rpf"
#> [301]	"RPostgres"	"rProject"	"rprojroot"
#> [304]	"rsample"	"RSQLite"	"rstan"
#> [307]	"rstantools"	"rstudioapi"	"rversions"
#> [310]	"rvest"	"Ryacas"	"sass"
#> [313]	"scales"	"selectr"	"semlbci"
#> [316]	"semmcci"	"sessioninfo"	"sfd"
#> [319]	"shape"	"shiny"	"simStateSpace"
#> [322]	"slider"	"snow"	"snowfall"
#> [325]	"sourcetools"	"SparseM"	"SQUAREM"
#> [328]	"StanHeaders"	"statmod"	"stringi"
#> [331]	"stringr"	"styler"	"symSEM"
#> [334]	"sys"	"systemfonts"	"tensorA"
#> [337]	"testthat"	"texreg"	"textshaping"
#> [340]	"tibble"	"tidymodels"	"tidyr"

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#> [343] "tidyselect"      "tidyverse"      "timechange"
#> [346] "timeDate"       "tinytex"        "tune"
#> [349] "tzdb"           "ucminf"         "unigd"
#> [352] "urlchecker"     "usethis"        "utf8"
#> [355] "uuid"           "V8"             "vctrs"
#> [358] "viridis"        "viridisLite"    "vroom"
#> [361] "waldo"          "warp"           "whisker"
#> [364] "whoami"         "withr"          "workflows"
#> [367] "workflowsets"   "xfun"           "xml2"
#> [370] "xmlparsedata"   "xopen"          "xtable"
#> [373] "yaml"           "yardstick"      "zip"
#> [376] "base"           "boot"           "class"
#> [379] "cluster"        "codetools"      "compiler"
#> [382] "datasets"       "foreign"        "graphics"
#> [385] "grDevices"      "grid"           "KernSmooth"
#> [388] "lattice"        "MASS"           "Matrix"
#> [391] "methods"        "mgcv"           "nlme"
#> [394] "nnet"           "parallel"       "rpart"
#> [397] "spatial"        "splines"        "stats"
#> [400] "stats4"         "survival"       "tcltk"
#> [403] "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/>