

# Session Info

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## Session

```
sessionInfo()  
  
#> R version 4.4.0 (2024-04-24)  
#> 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_0.0.13
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.5.0  R6_2.5.1          lubridate_1.9.3  xfun_0.45
#> [5] magrittr_2.0.3   glue_1.7.0        stringr_1.5.1    knitr_1.47
#> [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_4.4.0   highr_0.11
#> [17] rprojroot_2.0.4  plyr_1.8.9        httr_1.4.7       tools_4.4.0
#> [21] evaluate_0.24.0  Rcpp_1.0.12       RefManageR_1.4.0 rlang_1.1.4
#> [25] jsonlite_1.8.8   stringi_1.8.4

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## Packages

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

#> [1] "cli"          "crayon"        "cTMed"         "downlit"
#> [5] "evaluate"     "rlang"         "rProject"      "tinytex"
#> [9] "xfun"         "abind"         "arrow"         "ash"
#> [13] "AsioHeaders"  "askpass"       "assertthat"    "backports"
#> [17] "base64enc"    "betaDelta"     "betaMC"        "betaNB"
#> [21] "betaSandwich" "BH"            "bibtex"        "BiocManager"

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#> [25] "bit"          "bit64"        "bitops"       "blob"
#> [29] "brew"         "brio"         "broom"        "bslib"
#> [33] "cachem"       "callr"        "car"          "caracas"
#> [37] "carData"      "cellranger"   "cfr"          "checkmate"
#> [41] "cli"          "clipr"        "clock"        "coda"
#> [45] "c0de"         "collections"  "colorspace"   "commonmark"
#> [49] "conflicted"   "corpcor"      "covr"         "cowplot"
#> [53] "cpp11"        "crayon"       "credentials"  "crosstalk"
#> [57] "cTMed"        "ctsem"        "curl"         "cyclocomp"
#> [61] "data.table"   "DBI"          "dbplyr"       "Deriv"
#> [65] "desc"         "deSolve"      "devtools"     "diagram"
#> [69] "dials"        "DiceDesign"   "diffobj"      "digest"
#> [73] "distributional" "distro"       "doBy"         "docopt"
#> [77] "doFuture"     "downlit"      "dplyr"        "DT"
#> [81] "dtplyr"       "duckdb"       "dynr"         "dynUtils"
#> [85] "ellipse"      "ellipsis"     "evaluate"     "expm"
#> [89] "fansi"        "farver"       "fastDummies"  "fastmap"
#> [93] "fclust"       "fda"          "fdrtool"      "fds"
#> [97] "FNN"          "fontawesome"  "forcats"      "foreach"
#> [101] "Formula"      "fs"           "fst"          "fstcore"
#> [105] "furrr"        "future"       "future.apply"  "gargle"
#> [109] "generics"     "gert"         "ggplot2"      "ggrepel"
#> [113] "gh"           "gitcreds"     "glasso"       "glmnet"
#> [117] "globals"      "glue"         "googledrive"  "googlesheets4"
#> [121] "gower"        "GPfit"        "gridExtra"    "gsubfn"
#> [125] "gtable"       "gtools"       "hardhat"      "haven"
#> [129] "hdcrcde"      "here"         "highr"        "Hmisc"

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#> [133] "hms"           "htmlTable"      "htmltools"      "htmlwidgets"
#> [137] "httpgd"        "httpuv"         "httr"           "httr2"
#> [141] "ids"           "ifaTools"       "igraph"         "infer"
#> [145] "ini"           "inline"         "ipred"          "isoband"
#> [149] "iterators"     "jomo"           "jpeg"           "jquerylib"
#> [153] "jsonlite"      "jsonvalidate"   "kernlab"        "knitr"
#> [157] "ks"            "labeling"       "Lahman"         "languageserver"
#> [161] "later"         "latex2exp"      "lava"           "lavaan"
#> [165] "lazyeval"      "lhs"            "lifecycle"     "lintr"
#> [169] "listenv"       "littler"        "lme4"           "locfit"
#> [173] "longMI"        "loo"            "lubridate"      "magick"
#> [177] "magrittr"      "markdown"       "MatrixModels"  "matrixStats"
#> [181] "mclust"        "memoise"        "metaSEM"        "mice"
#> [185] "microbenchmark" "mime"          "miniUI"         "minqa"
#> [189] "mitml"         "mize"           "mnormt"         "modeldata"
#> [193] "modelenv"      "modelr"         "MplusAutomation" "multicool"
#> [197] "munsell"       "mvtnorm"        "nloptr"         "numDeriv"
#> [201] "nycflights13" "OpenMx"         "openssl"        "ordinal"
#> [205] "pan"           "pander"         "parallelly"     "parsnip"
#> [209] "patchwork"     "pbapply"        "pbivnorm"       "pbkrtest"
#> [213] "pcaPP"         "pdftools"       "pillar"         "pkgbuild"
#> [217] "pkgconfig"     "pkgdown"        "pkgload"        "plogr"
#> [221] "plyr"          "png"            "posterior"      "pracma"
#> [225] "praise"        "prettyunits"    "printr"         "processx"
#> [229] "proclim"       "profvis"        "progress"       "progressr"
#> [233] "promises"      "proto"          "ps"             "psych"
#> [237] "purrr"         "qgraph"         "qpdf"           "quadprog"

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|          |                |                |                 |                 |
|----------|----------------|----------------|-----------------|-----------------|
| #> [241] | "quantreg"     | "quarto"       | "QuickJSR"      | "R.cache"       |
| #> [245] | "R.methodsS3"  | "R.oo"         | "R.utils"       | "R6"            |
| #> [249] | "ragg"         | "rainbow"      | "rappdirs"      | "rbibutils"     |
| #> [253] | "rcmdcheck"    | "RColorBrewer" | "Rcpp"          | "RcppArmadillo" |
| #> [257] | "RcppEigen"    | "RcppGSL"      | "RcppParallel"  | "RcppTOML"      |
| #> [261] | "RCurl"        | "Rdpack"       | "readr"         | "readxl"        |
| #> [265] | "recipes"      | "RefManageR"   | "rematch"       | "rematch2"      |
| #> [269] | "remotes"      | "reprex"       | "reshape2"      | "reticulate"    |
| #> [273] | "rex"          | "rhub"         | "rlang"         | "RMariaDB"      |
| #> [277] | "rmarkdown"    | "roxygen2"     | "rpf"           | "RPostgres"     |
| #> [281] | "rProject"     | "rprojroot"    | "rsample"       | "RSQLite"       |
| #> [285] | "rstan"        | "rstantools"   | "rstudioapi"    | "rversions"     |
| #> [289] | "rvest"        | "Ryacas"       | "sass"          | "scales"        |
| #> [293] | "selectr"      | "semlbci"      | "semmcci"       | "sessioninfo"   |
| #> [297] | "shape"        | "shiny"        | "simStateSpace" | "slider"        |
| #> [301] | "snow"         | "snowfall"     | "sourcetools"   | "SparseM"       |
| #> [305] | "SQUAREM"      | "StanHeaders"  | "statmod"       | "stringi"       |
| #> [309] | "stringr"      | "styler"       | "symSEM"        | "sys"           |
| #> [313] | "systemfonts"  | "tensorA"      | "testthat"      | "texreg"        |
| #> [317] | "textshaping"  | "tibble"       | "tidymodels"    | "tidyr"         |
| #> [321] | "tidyselect"   | "tidyverse"    | "timechange"    | "timeDate"      |
| #> [325] | "tinytex"      | "tune"         | "tzdb"          | "ucminf"        |
| #> [329] | "unigd"        | "urlchecker"   | "usethis"       | "utf8"          |
| #> [333] | "uuid"         | "V8"           | "vctrs"         | "viridis"       |
| #> [337] | "viridisLite"  | "vroom"        | "waldo"         | "warp"          |
| #> [341] | "whisker"      | "whoami"       | "withr"         | "workflows"     |
| #> [345] | "workflowsets" | "xfun"         | "xml2"          | "xmlparsedata"  |

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