

# 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"     "roxygen2"     "rProject"     "rsem"
#> [9] "sem"         "semmcci"      "tinytex"      "abind"
#> [13] "arrow"       "ash"          "AsioHeaders"  "askpass"
#> [17] "assertthat"  "backports"    "base64enc"    "betaDelta"

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

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

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

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