

# 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_0.0.14
#>
#> loaded via a namespace (and not attached):
#> [1] httr_1.4.7      cli_3.6.3.9000   knitr_1.48      rlang_1.1.4
#> [5] xfun_0.46       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_1.0.13      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"   "bslib"
#> [5] "cfrfr"       "cli"          "devtools"     "gert"
#> [9] "httr2"       "mi"           "quarto"       "Rcpp"
#> [13] "rProject"    "rsem"         "sem"          "semmcci"
#> [17] "shiny"       "tinytex"      "usethis"      "withr"

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#> [21] "xfun"          "yaml"          "abind"          "arrow"
#> [25] "ash"           "AsioHeaders"   "askpass"        "assertthat"
#> [29] "backports"     "base64enc"     "betaDelta"      "betaMC"
#> [33] "betaNB"        "betaSandwich"  "BH"             "bibtex"
#> [37] "BiocManager"   "bit"           "bit64"          "bitops"
#> [41] "blob"          "brew"          "brio"           "broom"
#> [45] "bslib"         "cachem"        "callr"          "car"
#> [49] "caracas"       "carData"       "cellranger"     "cfrfr"
#> [53] "checkmate"     "cli"           "clipr"          "clock"
#> [57] "coda"          "c0de"          "collections"    "colorspace"
#> [61] "commonmark"    "conflicted"    "corpcor"        "covr"
#> [65] "cowplot"       "cpp11"         "crayon"         "credentials"
#> [69] "crosstalk"     "cTMed"         "ctsem"          "curl"
#> [73] "cyclocomp"     "data.table"    "DBI"            "dbplyr"
#> [77] "Deriv"         "desc"          "deSolve"        "devtools"
#> [81] "diagram"       "dials"         "DiceDesign"     "diffobj"
#> [85] "digest"        "distributional" "distro"         "doBy"
#> [89] "docopt"        "doFuture"      "downlit"        "dplyr"
#> [93] "DT"           "dtplyr"        "duckdb"         "dynr"
#> [97] "dynUtils"      "ellipse"       "ellipsis"       "evaluate"
#> [101] "expm"          "fansI"         "farver"         "fastDummies"
#> [105] "fastmap"       "fclust"        "fda"            "fdrtool"
#> [109] "fds"          "fitCTVARMx"    "fitDTVARMx"     "FNN"
#> [113] "fontawesome"   "forcats"       "foreach"        "Formula"
#> [117] "fs"           "fst"           "fstcore"        "furrr"
#> [121] "future"        "future.apply"  "gargle"         "generics"
#> [125] "gert"          "ggplot2"       "ggrepel"        "gh"

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#> [129] "gitcreds"      "glasso"      "glmnet"      "globals"
#> [133] "glue"          "googledrive" "googlesheets4" "gower"
#> [137] "GPArotation"  "GPfit"       "gridExtra"   "gsubfn"
#> [141] "gtable"       "gtools"      "hardhat"     "haven"
#> [145] "hdcrcde"      "here"        "highr"       "Hmisc"
#> [149] "hms"          "htmlTable"   "htmltools"   "htmlwidgets"
#> [153] "httpgd"       "httpuv"      "httr"        "httr2"
#> [157] "ids"          "ifaTools"    "igraph"      "infer"
#> [161] "ini"          "inline"      "ipred"       "isoband"
#> [165] "iterators"    "jomo"        "jpeg"        "jquerylib"
#> [169] "jsonlite"     "jsonvalidate" "kernlab"     "knitr"
#> [173] "ks"           "labeling"    "Lahman"      "languageserver"
#> [177] "later"        "latex2exp"   "lava"        "lavaan"
#> [181] "lazyeval"     "lhs"         "lifecycle"   "lintr"
#> [185] "listenv"      "littler"     "lme4"        "locfit"
#> [189] "longMI"       "loo"         "lubridate"   "magick"
#> [193] "magrittr"     "markdown"    "MatrixModels" "matrixStats"
#> [197] "mclust"       "memoise"     "metaSEM"     "metaVAR"
#> [201] "mice"         "microbenchmark" "mime"       "miniUI"
#> [205] "minqa"        "mitml"       "mize"        "mnormt"
#> [209] "modeldata"    "modelenv"    "modelr"      "MplusAutomation"
#> [213] "multicool"    "munsell"     "mvtnorm"     "nloptr"
#> [217] "numDeriv"     "nycflights13" "OpenMx"      "openssl"
#> [221] "ordinal"      "pan"         "pander"      "parallelly"
#> [225] "parsnip"      "patchwork"   "pbapply"     "pbivnorm"
#> [229] "pbkrtest"     "pcaPP"       "pdftools"    "pillar"
#> [233] "pkgbuild"     "pkgconfig"   "pkgdown"     "pkgload"

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#> [237] "plogr"      "plyr"      "png"      "posterior"
#> [241] "pracma"    "praise"    "prettyunits" "printr"
#> [245] "processx"  "prodlim"   "profvis"   "progress"
#> [249] "progressr" "promises"  "proto"     "ps"
#> [253] "psych"     "purrr"     "qgraph"    "qpdf"
#> [257] "quadprog"  "quantreg"  "quarto"    "QuickJSR"
#> [261] "R.cache"   "R.methodsS3" "R.oo"      "R.utils"
#> [265] "R6"        "ragg"      "rainbow"   "rappdirs"
#> [269] "rbibutils" "rcmdcheck" "RColorBrewer" "Rcpp"
#> [273] "RcppArmadillo" "RcppEigen" "RcppGSL" "RcppParallel"
#> [277] "RcppTOML" "RCurl"     "Rdpack"    "readr"
#> [281] "readxl"    "recipes"   "RefManageR" "rematch"
#> [285] "rematch2"  "remotes"   "reprex"    "reshape2"
#> [289] "reticulate" "rex"       "rhub"      "rlang"
#> [293] "RMariaDB"  "rmarkdown" "roxygen2"   "rpf"
#> [297] "RPostgres" "rProject"   "rprojroot" "rsample"
#> [301] "RSQLite"   "rstan"      "rstantools" "rstudioapi"
#> [305] "rversions" "rvest"      "Ryacas"    "sass"
#> [309] "scales"    "selectr"    "semlbci"   "semmcci"
#> [313] "sessioninfo" "shape"      "shiny"     "simStateSpace"
#> [317] "slider"    "snow"       "snowfall"  "sourcetools"
#> [321] "SparseM"   "SQUAREM"    "StanHeaders" "statmod"
#> [325] "stringi"   "stringr"    "styler"    "symSEM"
#> [329] "sys"       "systemfonts" "tensorA"    "testthat"
#> [333] "texreg"    "textshaping" "tibble"     "tidymodels"
#> [337] "tidyr"     "tidyselect" "tidyverse"  "timechange"
#> [341] "timeDate"  "tinytex"    "tune"       "tzdb"

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#> [345] "ucminf"      "unigd"      "urlchecker" "usethis"
#> [349] "utf8"        "uuid"       "V8"          "vctrs"
#> [353] "viridis"     "viridisLite" "vroom"       "waldo"
#> [357] "warp"        "whisker"    "whoami"      "withr"
#> [361] "workflows"   "workflowsets" "xfun"        "xml2"
#> [365] "xmlparsedata" "xopen"      "xtable"      "yaml"
#> [369] "yardstick"   "zip"        "base"        "boot"
#> [373] "class"       "cluster"    "codetools"   "compiler"
#> [377] "datasets"    "foreign"    "graphics"    "grDevices"
#> [381] "grid"        "KernSmooth" "lattice"     "MASS"
#> [385] "Matrix"      "methods"    "mgcv"        "nlme"
#> [389] "nnet"        "parallel"   "rpart"       "spatial"
#> [393] "splines"     "stats"      "stats4"      "survival"
#> [397] "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/>