

# 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 22.04.5 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_1.9.4  xfun_0.49
#> [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_3.6.3.9001  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_1.0.1   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] "Amelia"          "betaMC"           "rProject"
#>   [4] "abind"           "arm"              "arrow"
#>   [7] "ash"             "AsioHeaders"      "askpass"
#>  [10] "assertthat"      "backports"        "base64enc"
#>  [13] "betaDelta"       "betaMC"           "betaNB"
#>  [16] "betaSandwich"    "BH"               "bibtex"

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#> [19] "BiocManager"      "bit"               "bit64"
#> [22] "bitops"           "blob"              "brew"
#> [25] "brio"             "broom"             "bslib"
#> [28] "cachem"           "callr"             "car"
#> [31] "caracas"          "carData"           "cellranger"
#> [34] "cfr"              "checkmate"         "cli"
#> [37] "clipr"            "clock"             "clusterGeneration"
#> [40] "coda"             "cOde"              "collections"
#> [43] "colorspace"       "commonmark"        "conflicted"
#> [46] "corpcor"          "covr"              "cowplot"
#> [49] "cpp11"            "crayon"            "credentials"
#> [52] "crosstalk"        "cTMed"             "ctsem"
#> [55] "curl"            "cyclocomp"         "data.table"
#> [58] "DBI"              "dbplyr"            "Deriv"
#> [61] "desc"            "deSolve"           "devtools"
#> [64] "diagram"          "dials"             "DiceDesign"
#> [67] "diffobj"          "digest"            "distributional"
#> [70] "distrib"          "doBy"              "docopt"
#> [73] "doFuture"         "downlit"           "dplyr"
#> [76] "DT"              "dtplyr"            "duckdb"
#> [79] "dynr"            "dynUtils"          "ellipse"
#> [82] "ellipsoids"       "evaluate"          "expm"
#> [85] "fansi"           "farver"            "fastDummies"
#> [88] "fastmap"         "fclust"            "fda"
#> [91] "fdrtool"         "fds"               "fitCTVARMx"
#> [94] "fitDTVARMx"      "FNN"               "fontawesome"
#> [97] "forcats"         "foreach"           "Formula"

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#> [100] "fs" "fst" "fstcore"
#> [103] "furrr" "future" "future.apply"
#> [106] "gargle" "generics" "gert"
#> [109] "ggplot2" "ggrepel" "gh"
#> [112] "gitcreds" "glasso" "glmnet"
#> [115] "globals" "glue" "googledrive"
#> [118] "googlesheets4" "gower" "GPArotation"
#> [121] "GPfit" "graphicalVAR" "gridExtra"
#> [124] "gsubfn" "gtable" "gtools"
#> [127] "hardhat" "haven" "hdcrcde"
#> [130] "here" "highr" "Hmisc"
#> [133] "hms" "htmlTable" "htmltools"
#> [136] "htmlwidgets" "httpgd" "httpuv"
#> [139] "httr" "httr2" "ids"
#> [142] "ifaTools" "igraph" "infer"
#> [145] "ini" "inline" "ipred"
#> [148] "isoband" "iterators" "jomo"
#> [151] "jpeg" "jquerylib" "jsonlite"
#> [154] "jsonvalidate" "kernlab" "knitr"
#> [157] "ks" "labeling" "Lahman"
#> [160] "languageserver" "later" "latex2exp"
#> [163] "lava" "lavaan" "lazyeval"
#> [166] "lhs" "lifecycle" "lintr"
#> [169] "listenv" "littler" "lme4"
#> [172] "locfit" "longMI" "loo"
#> [175] "lubridate" "magick" "magrittr"
#> [178] "markdown" "MatrixModels" "matrixStats"

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#> [181] "mclust"          "memoise"         "metaSEM"
#> [184] "metaVAR"        "mice"            "microbenchmark"
#> [187] "mime"           "miniUI"          "minqa"
#> [190] "mitml"          "mize"            "mlVAR"
#> [193] "mnormt"         "modeldata"       "modelenv"
#> [196] "modelr"         "MplusAutomation" "multicool"
#> [199] "munsell"        "mvtnorm"         "nloptr"
#> [202] "numDeriv"       "nycflights13"    "OpenMx"
#> [205] "openssl"        "ordinal"         "pan"
#> [208] "pander"         "parallelly"      "parsnip"
#> [211] "patchwork"      "pbapply"         "pbivnorm"
#> [214] "pbkrtest"       "pcaPP"           "pdftools"
#> [217] "pillar"         "pkgbuild"        "pkgconfig"
#> [220] "pkgdown"        "pkgload"         "plogr"
#> [223] "plyr"           "png"             "posterior"
#> [226] "pracma"         "praise"          "prettyunits"
#> [229] "printr"         "processx"        "prodlm"
#> [232] "profvis"        "progress"        "progressr"
#> [235] "promises"       "proto"           "ps"
#> [238] "psych"          "purrr"           "qgraph"
#> [241] "qpdf"           "quadprog"        "quantreg"
#> [244] "quarto"         "QuickJSR"        "R.cache"
#> [247] "R.methodsS3"    "R.oo"            "R.utils"
#> [250] "R6"             "ragg"            "rainbow"
#> [253] "rappdirs"       "rbibutils"       "rcmdcheck"
#> [256] "RColorBrewer"   "Rcpp"            "RcppArmadillo"
#> [259] "RcppEigen"      "RcppGSL"         "RcppParallel"

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#> [262]	"RcppTOML"	"RCurl"	"Rdpack"
#> [265]	"readr"	"readxl"	"recipes"
#> [268]	"RefManager"	"rematch"	"rematch2"
#> [271]	"remotes"	"reprex"	"reshape2"
#> [274]	"reticulate"	"rex"	"rhub"
#> [277]	"rjags"	"rlang"	"RMariaDB"
#> [280]	"rmarkdown"	"roxygen2"	"rpf"
#> [283]	"RPostgres"	"rProject"	"rprojroot"
#> [286]	"rsample"	"RSQLite"	"rstan"
#> [289]	"rstantools"	"rstudioapi"	"rversions"
#> [292]	"rvest"	"Ryacas"	"sass"
#> [295]	"scales"	"selectr"	"semlbci"
#> [298]	"semmcci"	"sessioninfo"	"sfd"
#> [301]	"shape"	"shiny"	"simStateSpace"
#> [304]	"slider"	"snow"	"snowfall"
#> [307]	"sourcetools"	"SparseM"	"SQUAREM"
#> [310]	"StanHeaders"	"statmod"	"stringi"
#> [313]	"stringr"	"styler"	"symSEM"
#> [316]	"sys"	"systemfonts"	"tensorA"
#> [319]	"testthat"	"texreg"	"textshaping"
#> [322]	"tibble"	"tidymodels"	"tidyr"
#> [325]	"tidyselect"	"tidyverse"	"timechange"
#> [328]	"timeDate"	"tinytex"	"tune"
#> [331]	"tzdb"	"ucminf"	"unigd"
#> [334]	"urlchecker"	"usethis"	"utf8"
#> [337]	"uuid"	"V8"	"vctrs"
#> [340]	"viridis"	"viridisLite"	"vroom"

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#> [343] "waldo"          "warp"          "whisker"
#> [346] "whoami"         "withr"         "workflows"
#> [349] "workflowsets"   "xfun"          "xml2"
#> [352] "xmlparsedata"   "xopen"         "xtable"
#> [355] "yaml"           "yardstick"     "zip"
#> [358] "base"           "boot"          "class"
#> [361] "cluster"        "codetools"     "compiler"
#> [364] "datasets"       "foreign"       "graphics"
#> [367] "grDevices"      "grid"          "KernSmooth"
#> [370] "lattice"        "MASS"          "Matrix"
#> [373] "methods"        "mgcv"          "nlme"
#> [376] "nnet"           "parallel"      "rpart"
#> [379] "spatial"        "splines"       "stats"
#> [382] "stats4"         "survival"      "tcltk"
#> [385] "tools"          "utils"

```

## 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/>