

# 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_0.47
#> [5] magrittr_2.0.3   glue_1.7.0        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_0.24.0 Rcpp_1.0.13       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] "betaDelta"      "cfrfr"          "gert"
#> [4] "openssl"        "rmarkdown"      "rProject"
#> [7] "V8"             "xfun"           "abind"
#> [10] "arm"            "arrow"          "ash"
#> [13] "AsioHeaders"    "askpass"        "assertthat"
#> [16] "backports"      "base64enc"      "betaDelta"

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#> [19]	"betaMC"	"betaNB"	"betaSandwich"
#> [22]	"BH"	"bibtex"	"BiocManager"
#> [25]	"bit"	"bit64"	"bitops"
#> [28]	"blob"	"brew"	"brio"
#> [31]	"broom"	"bslib"	"cachem"
#> [34]	"callr"	"car"	"caracas"
#> [37]	"carData"	"cellranger"	"cfr"
#> [40]	"checkmate"	"cli"	"clipr"
#> [43]	"clock"	"clusterGeneration"	"coda"
#> [46]	"c0de"	"collections"	"colorspace"
#> [49]	"commonmark"	"conflicted"	"corpcor"
#> [52]	"covr"	"cowplot"	"cpp11"
#> [55]	"crayon"	"credentials"	"crosstalk"
#> [58]	"cTMed"	"ctsem"	"curl"
#> [61]	"cyclocomp"	"data.table"	"DBI"
#> [64]	"dbplyr"	"Deriv"	"desc"
#> [67]	"deSolve"	"devtools"	"diagram"
#> [70]	"dials"	"DiceDesign"	"diffobj"
#> [73]	"digest"	"distributional"	"distro"
#> [76]	"doBy"	"docopt"	"doFuture"
#> [79]	"downlit"	"dplyr"	"DT"
#> [82]	"dtplyr"	"duckdb"	"dynr"
#> [85]	"dynUtils"	"ellipse"	"ellipsis"
#> [88]	"evaluate"	"expm"	"fansI"
#> [91]	"farver"	"fastDummies"	"fastmap"
#> [94]	"fclust"	"fda"	"fdrtool"
#> [97]	"fds"	"fitCTVARMx"	"fitDTVARMx"

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

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

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#> [262] "Rcpp" "RcppArmadillo" "RcppEigen"
#> [265] "RcppGSL" "RcppParallel" "RcppTOML"
#> [268] "RCurl" "Rdpack" "readr"
#> [271] "readxl" "recipes" "RefManageR"
#> [274] "rematch" "rematch2" "remotes"
#> [277] "reprex" "reshape2" "reticulate"
#> [280] "rex" "rhub" "rlang"
#> [283] "RMariaDB" "rmarkdown" "roxygen2"
#> [286] "rpf" "RPostgres" "rProject"
#> [289] "rprojroot" "rsample" "RSQLite"
#> [292] "rstan" "rstantools" "rstudioapi"
#> [295] "rversions" "rvest" "Ryacas"
#> [298] "sass" "scales" "selectr"
#> [301] "semlbci" "semmcci" "sessioninfo"
#> [304] "sfd" "shape" "shiny"
#> [307] "simStateSpace" "slider" "snow"
#> [310] "snowfall" "sourcetools" "SparseM"
#> [313] "SQUAREM" "StanHeaders" "statmod"
#> [316] "stringi" "stringr" "styler"
#> [319] "symSEM" "sys" "systemfonts"
#> [322] "tensorA" "testthat" "texreg"
#> [325] "textshaping" "tibble" "tidymodels"
#> [328] "tidyr" "tidyselect" "tidyverse"
#> [331] "timechange" "timeDate" "tinytex"
#> [334] "tune" "tzdb" "ucminf"
#> [337] "unigd" "urlchecker" "usethis"
#> [340] "utf8" "uuid" "v8"

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#> [343] "vctr"      "viridis"    "viridisLite"
#> [346] "vroom"     "waldo"      "warp"
#> [349] "whisker"   "whoami"     "withr"
#> [352] "workflows" "workflowsets" "xfun"
#> [355] "xml2"      "xmlparsedata" "xopen"
#> [358] "xtable"    "yaml"       "yardstick"
#> [361] "zip"       "base"       "boot"
#> [364] "class"     "cluster"    "codetools"
#> [367] "compiler"  "datasets"   "foreign"
#> [370] "graphics"  "grDevices"  "grid"
#> [373] "KernSmooth" "lattice"    "MASS"
#> [376] "Matrix"    "methods"    "mgcv"
#> [379] "nlme"      "nnet"       "parallel"
#> [382] "rpart"     "spatial"    "splines"
#> [385] "stats"     "stats4"     "survival"
#> [388] "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/>