

# 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_0.48
#> [5] magrittr_2.0.3   glue_1.8.0         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_1.0.0   Rcpp_1.0.13        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"      "askpass"      "betaMC"
#> [4] "cli"         "commonmark"   "credentials"
#> [7] "curl"        "devtools"     "evaluate"
#> [10] "gert"        "glue"         "httr2"
#> [13] "jsonlite"    "openssl"      "pkgdown"
#> [16] "profvis"     "ps"           "rProject"

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#> [19] "sys"           "tinytex"       "V8"
#> [22] "xfun"          "abind"         "arm"
#> [25] "arrow"         "ash"           "AsioHeaders"
#> [28] "askpass"       "assertthat"    "backports"
#> [31] "base64enc"     "betaDelta"     "betaMC"
#> [34] "betaNB"        "betaSandwich"  "BH"
#> [37] "bibtex"        "BiocManager"   "bit"
#> [40] "bit64"         "bitops"        "blob"
#> [43] "brew"          "brio"          "broom"
#> [46] "bslib"         "cachem"        "callr"
#> [49] "car"           "caracas"       "carData"
#> [52] "cellranger"    "cfrfr"         "checkmate"
#> [55] "cli"           "clipr"         "clock"
#> [58] "clusterGeneration" "coda"         "cOde"
#> [61] "collections"   "colorspace"    "commonmark"
#> [64] "conflicted"    "corpcor"       "covr"
#> [67] "cowplot"       "cpp11"         "crayon"
#> [70] "credentials"   "crosstalk"     "cTMed"
#> [73] "ctsem"         "curl"          "cyclocomp"
#> [76] "data.table"    "DBI"           "dbplyr"
#> [79] "Deriv"         "desc"          "deSolve"
#> [82] "devtools"      "diagram"       "dials"
#> [85] "DiceDesign"    "diffobj"       "digest"
#> [88] "distributional" "distro"        "doBy"
#> [91] "docopt"        "doFuture"      "downlit"
#> [94] "dplyr"         "DT"            "dtplyr"
#> [97] "duckdb"        "dynr"          "dynUtils"

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#> [100]	"ellipse"	"ellipsis"	"evaluate"
#> [103]	"expm"	"fansl"	"farver"
#> [106]	"fastDummies"	"fastmap"	"fclust"
#> [109]	"fda"	"fdrtool"	"fds"
#> [112]	"fitCTVARMx"	"fitDTVARMx"	"FNN"
#> [115]	"fontawesome"	"forcats"	"foreach"
#> [118]	"Formula"	"fs"	"fst"
#> [121]	"fstcore"	"furry"	"future"
#> [124]	"future.apply"	"gargle"	"generics"
#> [127]	"gert"	"ggplot2"	"ggrepel"
#> [130]	"gh"	"gitcreds"	"glasso"
#> [133]	"glmnet"	"globals"	"glue"
#> [136]	"googledrive"	"googlesheets4"	"gower"
#> [139]	"GPArotation"	"GPfit"	"graphicalVAR"
#> [142]	"gridExtra"	"gsubfn"	"gtable"
#> [145]	"gtools"	"hardhat"	"haven"
#> [148]	"hdrcde"	"here"	"highr"
#> [151]	"Hmisc"	"hms"	"htmlTable"
#> [154]	"htmltools"	"htmlwidgets"	"httpgd"
#> [157]	"httpuv"	"httr"	"httr2"
#> [160]	"ids"	"ifaTools"	"igraph"
#> [163]	"infer"	"ini"	"inline"
#> [166]	"ipred"	"isoband"	"iterators"
#> [169]	"jomo"	"jpeg"	"jquerylib"
#> [172]	"jsonlite"	"jsonvalidate"	"kernlab"
#> [175]	"knitr"	"ks"	"labeling"
#> [178]	"Lahman"	"languageserver"	"later"

#> [181]	"latex2exp"	"lava"	"lavaan"
#> [184]	"lazyeval"	"lhs"	"lifecycle"
#> [187]	"lintr"	"listenv"	"littler"
#> [190]	"lme4"	"locfit"	"longMI"
#> [193]	"loo"	"lubridate"	"magick"
#> [196]	"magrittr"	"markdown"	"MatrixModels"
#> [199]	"matrixStats"	"mclust"	"memoise"
#> [202]	"metaSEM"	"metaVAR"	"mice"
#> [205]	"microbenchmark"	"mime"	"miniUI"
#> [208]	"minqa"	"mitml"	"mize"
#> [211]	"mlVAR"	"mnormt"	"modeldata"
#> [214]	"modelenv"	"modelr"	"MplusAutomation"
#> [217]	"multicool"	"munsell"	"mvtnorm"
#> [220]	"nloptr"	"numDeriv"	"nycflights13"
#> [223]	"OpenMx"	"openssl"	"ordinal"
#> [226]	"pan"	"pander"	"parallelly"
#> [229]	"parsnip"	"patchwork"	"pbapply"
#> [232]	"pbivnorm"	"pbkrtest"	"pcaPP"
#> [235]	"pdftools"	"pillar"	"pkgbuild"
#> [238]	"pkgconfig"	"pkgdown"	"pkgload"
#> [241]	"plogr"	"plyr"	"png"
#> [244]	"posterior"	"pracma"	"praise"
#> [247]	"prettyunits"	"printr"	"processx"
#> [250]	"prodlim"	"profvis"	"progress"
#> [253]	"progressr"	"promises"	"proto"
#> [256]	"ps"	"psych"	"purrr"
#> [259]	"qgraph"	"qpdf"	"quadprog"

#> [262]	"quantreg"	"quarto"	"QuickJSR"
#> [265]	"R.cache"	"R.methodsS3"	"R.oo"
#> [268]	"R.utils"	"R6"	"ragg"
#> [271]	"rainbow"	"rappdirs"	"rbibutils"
#> [274]	"rcmdcheck"	"RColorBrewer"	"Rcpp"
#> [277]	"RcppArmadillo"	"RcppEigen"	"RcppGSL"
#> [280]	"RcppParallel"	"RcppTOML"	"RCurl"
#> [283]	"Rdpack"	"readr"	"readxl"
#> [286]	"recipes"	"RefManageR"	"rematch"
#> [289]	"rematch2"	"remotes"	"reprex"
#> [292]	"reshape2"	"reticulate"	"rex"
#> [295]	"rhub"	"rjags"	"rlang"
#> [298]	"RMariaDB"	"rmarkdown"	"roxygen2"
#> [301]	"rpf"	"RPostgres"	"rProject"
#> [304]	"rprojroot"	"rsample"	"RSQLite"
#> [307]	"rstan"	"rstantools"	"rstudioapi"
#> [310]	"rversions"	"rvest"	"Ryacas"
#> [313]	"sass"	"scales"	"selectr"
#> [316]	"semlbci"	"semmcci"	"sessioninfo"
#> [319]	"sfd"	"shape"	"shiny"
#> [322]	"simStateSpace"	"slider"	"snow"
#> [325]	"snowfall"	"sourcetools"	"SparseM"
#> [328]	"SQUAREM"	"StanHeaders"	"statmod"
#> [331]	"stringi"	"stringr"	"styler"
#> [334]	"symSEM"	"sys"	"systemfonts"
#> [337]	"tensorA"	"testthat"	"texreg"
#> [340]	"textshaping"	"tibble"	"tidymodels"

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#> [343] "tidyr"          "tidyselect"      "tidyverse"
#> [346] "timechange"     "timeDate"        "tinytex"
#> [349] "tune"           "tzdb"            "ucminf"
#> [352] "unigd"          "urlchecker"      "usethis"
#> [355] "utf8"           "uuid"            "v8"
#> [358] "vctrs"          "viridis"         "viridisLite"
#> [361] "vroom"          "waldo"           "warp"
#> [364] "whisker"        "whoami"          "withr"
#> [367] "workflows"      "workflowsets"    "xfun"
#> [370] "xml2"           "xmlparsedata"    "xopen"
#> [373] "xtable"         "yaml"            "yardstick"
#> [376] "zip"            "base"            "boot"
#> [379] "class"          "cluster"         "codetools"
#> [382] "compiler"       "datasets"        "foreign"
#> [385] "graphics"       "grDevices"       "grid"
#> [388] "KernSmooth"     "lattice"         "MASS"
#> [391] "Matrix"         "methods"         "mgcv"
#> [394] "nlme"           "nnet"            "parallel"
#> [397] "rpart"          "spatial"         "splines"
#> [400] "stats"          "stats4"          "survival"
#> [403] "tcltk"          "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/>