

# Session Info

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## Session

```
sessionInfo()  
  
#> R version 4.4.0 (2024-04-24)  
#> 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_0.0.10
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.4.1  R6_2.5.1          lubridate_1.9.3   xfun_0.43
#> [5] magrittr_2.0.3   glue_1.7.0        stringr_1.5.1     knitr_1.46
#> [9] timechange_0.3.0 generics_0.1.3    lifecycle_1.0.4   xml2_1.3.6
#> [13] cli_3.6.2.9000  bibtex_0.5.1      compiler_4.4.0    highr_0.10
#> [17] rprojroot_2.0.4  plyr_1.8.9        httr_1.4.7        rstudioapi_0.16.0
#> [21] tools_4.4.0      evaluate_0.23     Rcpp_1.0.12       RefManageR_1.4.0
#> [25] rlang_1.1.3      jsonlite_1.8.8    stringi_1.8.3

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## Packages

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unname(installed.packages()[, 1])
#> [1] "betaDelta"      "cli"             "rProject"        "abind"
#> [5] "arrow"          "ash"             "AsioHeaders"     "askpass"
#> [9] "assertthat"     "backports"       "base64enc"       "betaDelta"
#> [13] "betaMC"         "betaNB"          "betaSandwich"    "BH"
#> [17] "bibtex"         "BiocManager"     "bit"             "bit64"
#> [21] "bitops"         "blob"            "brew"            "brio"

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#> [25] "broom"          "bslib"          "cachem"         "callr"
#> [29] "car"            "caracas"        "carData"        "cellranger"
#> [33] "cffr"           "checkmate"      "cli"            "clipr"
#> [37] "clock"          "c0de"           "collections"    "colorspace"
#> [41] "commonmark"     "conflicted"     "corpcor"        "covr"
#> [45] "cpp11"          "crayon"         "credentials"    "crosstalk"
#> [49] "cTMed"          "ctsem"          "curl"           "cyclocomp"
#> [53] "data.table"     "DBI"            "dbplyr"         "Deriv"
#> [57] "desc"           "deSolve"        "devtools"       "diagram"
#> [61] "dials"          "DiceDesign"     "diffobj"        "digest"
#> [65] "distributional" "distro"         "doBy"           "docopt"
#> [69] "doFuture"       "downlit"        "dplyr"          "DT"
#> [73] "dtplyr"         "duckdb"         "dynr"           "dynUtils"
#> [77] "ellipse"        "ellipsis"       "evaluate"       "expm"
#> [81] "fansI"          "farver"         "fastmap"        "fclust"
#> [85] "fda"            "fdrtool"        "fds"            "FNN"
#> [89] "fontawesome"    "forcats"        "foreach"        "Formula"
#> [93] "fs"             "fst"            "fstcore"        "frrrr"
#> [97] "future"         "future.apply"   "gargle"         "generics"
#> [101] "gert"           "ggplot2"        "ggrepel"        "gh"
#> [105] "gitcreds"       "glasso"         "glmnet"         "globals"
#> [109] "glue"           "googledrive"    "googlesheets4" "gower"
#> [113] "GPfit"          "gridExtra"      "gtable"         "gtools"
#> [117] "hardhat"        "haven"          "hdcrcde"        "here"
#> [121] "highr"          "Hmisc"          "hms"            "htmlTable"
#> [125] "htmltools"      "htmlwidgets"    "httpgd"         "httpuv"
#> [129] "httr"           "httr2"          "ids"            "ifaTools"

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#> [133] "igraph"      "infer"      "ini"        "inline"
#> [137] "ipred"       "isoband"    "iterators"  "jomo"
#> [141] "jpeg"        "jquerylib"  "jsonlite"   "jsonvalidate"
#> [145] "kernlab"     "knitr"      "ks"         "labeling"
#> [149] "Lahman"      "languageserver" "later"      "latex2exp"
#> [153] "lava"        "lavaan"     "lazyeval"   "lhs"
#> [157] "lifecycle"   "lintr"      "listenv"    "littler"
#> [161] "lme4"        "locfit"     "longMI"     "loo"
#> [165] "lubridate"   "magick"     "magrittr"   "markdown"
#> [169] "MatrixModels" "matrixStats" "mclust"     "memoise"
#> [173] "metaSEM"     "mice"       "microbenchmark" "mime"
#> [177] "miniUI"      "minqa"      "mitml"      "mize"
#> [181] "mnormt"      "modeldata"  "modelenv"   "modelr"
#> [185] "multicool"   "munsell"    "mvtnorm"    "nloptr"
#> [189] "numDeriv"    "nycflights13" "OpenMx"     "openssl"
#> [193] "ordinal"     "pan"        "parallelly" "parsnip"
#> [197] "patchwork"   "pbapply"    "pbivnorm"   "pbkrtest"
#> [201] "pcaPP"       "pdftools"   "pillar"     "pkgbuild"
#> [205] "pkgconfig"   "pkgdown"    "pkgload"    "plogr"
#> [209] "plyr"        "png"        "posterior"  "pracma"
#> [213] "praise"      "prettyunits" "printr"     "processx"
#> [217] "prodlim"     "profvis"    "progress"    "progressr"
#> [221] "promises"    "ps"         "psych"      "purrr"
#> [225] "qgraph"      "qpdf"       "quadprog"   "quantreg"
#> [229] "quarto"      "QuickJSR"   "R.cache"    "R.methodsS3"
#> [233] "R.oo"        "R.utils"    "R6"         "ragg"
#> [237] "rainbow"     "rappdirs"   "rbibutils"  "rcmdcheck"

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#> [241] "RColorBrewer" "Rcpp" "RcppArmadillo" "RcppEigen"
#> [245] "RcppGSL" "RcppParallel" "RcppTOML" "RCurl"
#> [249] "Rdpack" "readr" "readxl" "recipes"
#> [253] "RefManager" "rematch" "rematch2" "remotes"
#> [257] "reprex" "reshape2" "reticulate" "rex"
#> [261] "rhub" "rlang" "RMariaDB" "rmarkdown"
#> [265] "roxygen2" "rpf" "RPostgres" "rProject"
#> [269] "rprojroot" "rsample" "RSQLite" "rstan"
#> [273] "rstantools" "rstudioapi" "rversions" "rvest"
#> [277] "Ryacas" "sass" "scales" "selectr"
#> [281] "semLbci" "semmcci" "sessioninfo" "shape"
#> [285] "shiny" "simStateSpace" "slider" "snow"
#> [289] "snowfall" "sourcetools" "SparseM" "SQUAREM"
#> [293] "StanHeaders" "stringi" "stringr" "styler"
#> [297] "symSEM" "sys" "systemfonts" "tensorA"
#> [301] "testthat" "textshaping" "tibble" "tidymodels"
#> [305] "tidyr" "tidyselect" "tidyverse" "timechange"
#> [309] "timeDate" "tinytex" "tune" "tzdb"
#> [313] "ucminf" "unigd" "urlchecker" "usethis"
#> [317] "utf8" "uuid" "V8" "vctrs"
#> [321] "viridis" "viridisLite" "vroom" "waldo"
#> [325] "warp" "whisker" "whoami" "withr"
#> [329] "workflows" "workflowsets" "xfun" "xml2"
#> [333] "xmlparsedata" "xopen" "xtable" "yaml"
#> [337] "yardstick" "zip" "base" "boot"
#> [341] "class" "cluster" "codetools" "compiler"
#> [345] "datasets" "foreign" "graphics" "grDevices"

```

```
#> [349] "grid"          "KernSmooth"    "lattice"       "MASS"
#> [353] "Matrix"       "methods"       "mgcv"          "nlme"
#> [357] "nnet"         "parallel"      "rpart"         "spatial"
#> [361] "splines"      "stats"         "stats4"        "survival"
#> [365] "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*. <https://doi.org/10.3758/s13428-023-02114-4>
- R Core Team. (2023). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>