

# Session Info

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## Session

```
sessionInfo()

#> R version 4.3.2 (2023-10-31)
#> Platform: x86_64-pc-linux-gnu (64-bit)
#> Running under: Ubuntu 22.04.3 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_0.0.5
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.4.1  R6_2.5.1          lubridate_1.9.3  xfun_0.41
#> [5] magrittr_2.0.3   glue_1.6.2        stringr_1.5.1    knitr_1.45
#> [9] timechange_0.2.0 generics_0.1.3    lifecycle_1.0.4  xml2_1.3.6
#> [13] cli_3.6.2.9000  bibtex_0.5.1      compiler_4.3.2   highr_0.10
#> [17] rprojroot_2.0.4  plyr_1.8.9        httr_1.4.7       tools_4.3.2
#> [21] evaluate_0.23    Rcpp_1.0.11       RefManageR_1.4.0 rlang_1.1.2
#> [25] jsonlite_1.8.8   stringi_1.8.3

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## Packages

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unname(installed.packages()[, 1])

#> [1] "askpass"          "assertthat"      "backports"
#> [4] "base64enc"        "bibtex"          "bit"
#> [7] "bit64"            "blob"            "brew"
#> [10] "brio"             "broom"           "bslib"
#> [13] "cachem"           "callr"           "cellranger"
#> [16] "cfr"              "cli"             "clipr"

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#> [19] "colorspace"      "commonmark"      "conflicted"
#> [22] "covr"            "cpp11"            "crayon"
#> [25] "credentials"     "crosstalk"        "curl"
#> [28] "cyclocomp"       "data.table"       "DBI"
#> [31] "dbplyr"          "desc"             "devtools"
#> [34] "diffobj"         "digest"           "distro"
#> [37] "downlit"         "dplyr"            "DT"
#> [40] "dtplyr"          "ellipsis"         "evaluate"
#> [43] "fansi"           "farver"           "fastmap"
#> [46] "fontawesome"     "forcats"          "fs"
#> [49] "gargle"          "generics"         "gert"
#> [52] "ggplot2"         "gh"               "gitcreds"
#> [55] "glue"            "googledrive"      "googlesheets4"
#> [58] "gtable"          "haven"            "highr"
#> [61] "hms"             "htmltools"        "htmlwidgets"
#> [64] "httpuv"          "httr"             "httr2"
#> [67] "ids"             "ini"              "isoband"
#> [70] "jquerylib"       "jsonlite"         "jsonvalidate"
#> [73] "knitr"           "labeling"         "later"
#> [76] "lavaan"          "lazyeval"         "lifecycle"
#> [79] "lintr"           "longMI"           "lubridate"
#> [82] "magick"          "magrittr"         "manSASInvariance"
#> [85] "markdown"        "memoise"          "microbenchmark"
#> [88] "mime"            "miniUI"           "mnormt"
#> [91] "modelr"          "munsell"          "numDeriv"
#> [94] "openssl"         "packrat"          "parsedate"
#> [97] "pbivnorm"        "pdftools"         "pillar"

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#> [100] "pkgbuild"      "pkgconfig"     "pkgdown"
#> [103] "pkgload"       "plyr"          "praise"
#> [106] "prettyunits"   "printr"        "processx"
#> [109] "profvis"       "progress"      "promises"
#> [112] "ps"            "purrr"         "qpdf"
#> [115] "quadprog"      "quarto"        "R.cache"
#> [118] "R.methodsS3"   "R.oo"          "R.utils"
#> [121] "R6"            "ragg"          "rappdirs"
#> [124] "rcmdcheck"     "RColorBrewer"  "Rcpp"
#> [127] "readr"         "readxl"        "RefManageR"
#> [130] "rematch"       "rematch2"      "remotes"
#> [133] "renv"          "reprex"        "rex"
#> [136] "rhub"          "rlang"         "rmarkdown"
#> [139] "roxygen2"      "rProject"      "rprojroot"
#> [142] "rsconnect"     "rstudioapi"    "rversions"
#> [145] "rvest"         "sass"          "scales"
#> [148] "selectr"       "sessioninfo"   "shiny"
#> [151] "sourcetools"   "stringi"       "stringr"
#> [154] "styler"        "sys"           "systemfonts"
#> [157] "testthat"      "textshaping"   "tibble"
#> [160] "tidyr"         "tidyselect"    "tidyverse"
#> [163] "timechange"    "tinytex"       "tzdb"
#> [166] "urlchecker"    "usethis"       "utf8"
#> [169] "uuid"          "V8"            "vctrs"
#> [172] "viridisLite"   "vroom"         "waldo"
#> [175] "whisker"       "whoami"        "withr"
#> [178] "xfun"          "xml2"          "xmlparsedata"

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#> [181] "xopen"	"xtable"	"yaml"
#> [184] "zip"	"abind"	"arrow"
#> [187] "ash"	"askpass"	"assertthat"
#> [190] "backports"	"base64enc"	"betaDelta"
#> [193] "betaMC"	"betaNB"	"betaSandwich"
#> [196] "BH"	"bibtex"	"BiocManager"
#> [199] "bit"	"bit64"	"bitops"
#> [202] "blob"	"brew"	"brio"
#> [205] "broom"	"bslib"	"cachem"
#> [208] "callr"	"car"	"caracas"
#> [211] "carData"	"cellranger"	"cfr"
#> [214] "checkmate"	"cli"	"clipr"
#> [217] "clock"	"collections"	"colorspace"
#> [220] "commonmark"	"conflicted"	"corpcor"
#> [223] "covr"	"cpp11"	"crayon"
#> [226] "credentials"	"curl"	"cyclocomp"
#> [229] "data.table"	"DBI"	"dbplyr"
#> [232] "Deriv"	"desc"	"deSolve"
#> [235] "devtools"	"diagram"	"dials"
#> [238] "DiceDesign"	"diffobj"	"digest"
#> [241] "distro"	"doBy"	"docopt"
#> [244] "downlit"	"dplyr"	"dtplyr"
#> [247] "duckdb"	"dynr"	"ellipse"
#> [250] "ellipsis"	"evaluate"	"fansy"
#> [253] "farver"	"fastmap"	"fclust"
#> [256] "fda"	"fdrtool"	"fds"
#> [259] "FNN"	"fontawesome"	"forcats"

#> [262]	"foreach"	"Formula"	"fs"
#> [265]	"fst"	"fstcore"	"furrr"
#> [268]	"future"	"future.apply"	"gargle"
#> [271]	"generics"	"gert"	"ggplot2"
#> [274]	"ggrepel"	"gh"	"gitcreds"
#> [277]	"glasso"	"glmnet"	"globals"
#> [280]	"glue"	"googledrive"	"googlesheets4"
#> [283]	"gower"	"GPfit"	"gridExtra"
#> [286]	"gtable"	"gtools"	"hardhat"
#> [289]	"haven"	"hdcrcde"	"here"
#> [292]	"highr"	"Hmisc"	"hms"
#> [295]	"htmlTable"	"htmltools"	"htmlwidgets"
#> [298]	"httpgd"	"httpuv"	"httr"
#> [301]	"httr2"	"ids"	"ifaTools"
#> [304]	"igraph"	"infer"	"ini"
#> [307]	"ipred"	"isoband"	"iterators"
#> [310]	"jomo"	"jpeg"	"jquerylib"
#> [313]	"jsonlite"	"jsonvalidate"	"kernlab"
#> [316]	"knitr"	"ks"	"labeling"
#> [319]	"Lahman"	"languageserver"	"later"
#> [322]	"latex2exp"	"lava"	"lavaan"
#> [325]	"lazyeval"	"lhs"	"lifecycle"
#> [328]	"lintr"	"listenv"	"littler"
#> [331]	"lme4"	"locfit"	"longMI"
#> [334]	"lubridate"	"magick"	"magrittr"
#> [337]	"markdown"	"MatrixModels"	"mclust"
#> [340]	"memoise"	"metaSEM"	"mice"

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#> [343] "microbenchmark" "mime" "miniUI"
#> [346] "minqa" "misc3d" "mitml"
#> [349] "mnormt" "modeldata" "modelenv"
#> [352] "modelr" "multicool" "munsell"
#> [355] "mvtnorm" "nloptr" "numDeriv"
#> [358] "nycflights13" "OpenMx" "openssl"
#> [361] "ordinal" "packrat" "pan"
#> [364] "parallelly" "parsedate" "parsnip"
#> [367] "patchwork" "pbapply" "pbivnorm"
#> [370] "pbkrtest" "pcaPP" "pdftools"
#> [373] "pillar" "pkgbuild" "pkgconfig"
#> [376] "pkgdown" "pkgload" "plogr"
#> [379] "plot3D" "plyr" "png"
#> [382] "pracma" "praise" "prettyunits"
#> [385] "printr" "processx" "prodlim"
#> [388] "profvis" "progress" "progressr"
#> [391] "promises" "ps" "psych"
#> [394] "purrr" "qgraph" "qpdf"
#> [397] "quadprog" "quantreg" "quarto"
#> [400] "R.cache" "R.methodsS3" "R.oo"
#> [403] "R.utils" "R6" "ragg"
#> [406] "rainbow" "rappdirs" "rbibutils"
#> [409] "rcmdcheck" "RColorBrewer" "Rcpp"
#> [412] "RcppArmadillo" "RcppEigen" "RcppGSL"
#> [415] "RcppParallel" "RcppTOML" "RCurl"
#> [418] "Rdpack" "readr" "readxl"
#> [421] "recipes" "RefManageR" "rematch"

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#> [424]	"rematch2"	"remotes"	"renv"
#> [427]	"reprex"	"reshape2"	"reticulate"
#> [430]	"rex"	"rhub"	"rlang"
#> [433]	"RMariaDB"	"rmarkdown"	"roxygen2"
#> [436]	"rpf"	"RPostgres"	"rProject"
#> [439]	"rprojroot"	"rsample"	"rsconnect"
#> [442]	"RSQLite"	"rstudioapi"	"rversions"
#> [445]	"rvest"	"Ryacas"	"sass"
#> [448]	"scales"	"selectr"	"semlbci"
#> [451]	"semmcci"	"sessioninfo"	"shape"
#> [454]	"shiny"	"simStateSpace"	"slider"
#> [457]	"snow"	"snowfall"	"sourcetools"
#> [460]	"SparseM"	"SQUAREM"	"StanHeaders"
#> [463]	"stringi"	"stringr"	"styler"
#> [466]	"symSEM"	"sys"	"systemfonts"
#> [469]	"testthat"	"textshaping"	"tibble"
#> [472]	"tidymodels"	"tidyr"	"tidyselect"
#> [475]	"tidyverse"	"timechange"	"timeDate"
#> [478]	"tinytex"	"tune"	"tzdb"
#> [481]	"ucminf"	"urlchecker"	"usethis"
#> [484]	"utf8"	"uuid"	"V8"
#> [487]	"vctrs"	"viridis"	"viridisLite"
#> [490]	"vroom"	"waldo"	"warp"
#> [493]	"whisker"	"whoami"	"withr"
#> [496]	"workflows"	"workflowsets"	"xfun"
#> [499]	"xml2"	"xmlparsedata"	"xopen"
#> [502]	"xtable"	"yaml"	"yardstick"



```

#> [505] "zip"          "base"          "boot"
#> [508] "class"        "cluster"       "codetools"
#> [511] "compiler"     "datasets"      "foreign"
#> [514] "graphics"     "grDevices"     "grid"
#> [517] "KernSmooth"   "lattice"       "MASS"
#> [520] "Matrix"       "methods"       "mgcv"
#> [523] "nlme"         "nnet"          "parallel"
#> [526] "rpart"        "spatial"       "splines"
#> [529] "stats"        "stats4"        "survival"
#> [532] "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/>