

# 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] "Amelia"          "betaMC"          "cfr"
#> [4] "gert"            "openssl"         "rmarkdown"
#> [7] "rProject"        "V8"              "xfun"
#> [10] "abind"           "arm"             "arrow"
#> [13] "ash"             "AsioHeaders"     "askpass"
#> [16] "assertthat"     "backports"       "base64enc"

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

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

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

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

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#> [343] "V8" "vctrs" "viridis"
#> [346] "viridisLite" "vroom" "waldo"
#> [349] "warp" "whisker" "whoami"
#> [352] "withr" "workflows" "workflowsets"
#> [355] "xfun" "xml2" "xmlparsedata"
#> [358] "xopen" "xtable" "yaml"
#> [361] "yardstick" "zip" "base"
#> [364] "boot" "class" "cluster"
#> [367] "codetools" "compiler" "datasets"
#> [370] "foreign" "graphics" "grDevices"
#> [373] "grid" "KernSmooth" "lattice"
#> [376] "MASS" "Matrix" "methods"
#> [379] "mgcv" "nlme" "nnet"
#> [382] "parallel" "rpart" "spatial"
#> [385] "splines" "stats" "stats4"
#> [388] "survival" "tcltk" "tools"
#> [391] "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/>