

# 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] lavaan_0.6-18      semmcci_1.1.4.9000 rProject_0.0.13
#>
#> loaded via a namespace (and not attached):
#> [1] httr_1.4.7      cli_3.6.3.9000   knitr_1.47      rlang_1.1.4
#> [5] xfun_0.45       stringi_1.8.4    highr_0.11      generics_0.1.3
#> [9] jsonlite_1.8.8  glue_1.7.0       backports_1.5.0 pbivnorm_0.6.0
#> [13] plyr_1.8.9      rprojroot_2.0.4  stats4_4.4.1    RefManageR_1.4.0
#> [17] quadprog_1.5-8  evaluate_0.24.0  lifecycle_1.0.4 stringr_1.5.1
#> [21] compiler_4.4.1  Rcpp_1.0.12      timechange_0.3.0 bibtex_0.5.1
#> [25] R6_2.5.1        parallel_4.4.1   mnormt_2.1.1    magrittr_2.0.3
#> [29] tools_4.4.1     lubridate_1.9.3  xml2_1.3.6

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## Packages

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

#> [1] "Amelia"      "arm"          "bmemLavaan"   "mi"
#> [5] "pkgload"     "ps"           "roxygen2"     "rProject"
#> [9] "rsem"        "sem"          "semmcci"      "tinytex"
#> [13] "yaml"        "abind"        "arrow"        "ash"
#> [17] "AsioHeaders" "askpass"      "assertthat"   "backports"

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#> [21] "base64enc"      "betaDelta"      "betaMC"          "betaNB"
#> [25] "betaSandwich"  "BH"              "bibtex"          "BiocManager"
#> [29] "bit"           "bit64"           "bitops"          "blob"
#> [33] "brew"          "brio"            "broom"           "bslib"
#> [37] "cachem"        "callr"           "car"             "caracas"
#> [41] "carData"       "cellranger"      "cfrfr"           "checkmate"
#> [45] "cli"           "clipr"           "clock"           "coda"
#> [49] "c0de"          "collections"     "colorspace"      "commonmark"
#> [53] "conflicted"    "corpcor"         "covr"            "cowplot"
#> [57] "cpp11"         "crayon"          "credentials"     "crosstalk"
#> [61] "cTMed"         "ctsem"           "curl"            "cyclocomp"
#> [65] "data.table"    "DBI"             "dbplyr"          "Deriv"
#> [69] "desc"          "deSolve"         "devtools"        "diagram"
#> [73] "dials"         "DiceDesign"      "diffobj"         "digest"
#> [77] "distributional" "distro"          "doBy"            "docopt"
#> [81] "doFuture"      "downlit"         "dplyr"           "DT"
#> [85] "dtplyr"        "duckdb"          "dynr"            "dynUtils"
#> [89] "ellipse"       "ellipsis"        "evaluate"        "expm"
#> [93] "fansI"         "farver"          "fastDummies"    "fastmap"
#> [97] "fclust"        "fda"             "fdrtool"         "fds"
#> [101] "FNN"           "fontawesome"     "forcats"         "foreach"
#> [105] "Formula"       "fs"              "fst"             "fstcore"
#> [109] "furrr"         "future"          "future.apply"    "gargle"
#> [113] "generics"      "gert"            "ggplot2"         "ggrepel"
#> [117] "gh"            "gitcreds"        "glasso"          "glmnet"
#> [121] "globals"       "glue"            "googledrive"     "googlesheets4"
#> [125] "gower"         "GPfit"           "gridExtra"       "gsubfn"

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#> [129] "gtable"          "gtools"          "hardhat"         "haven"
#> [133] "hdrcde"          "here"            "highr"           "Hmisc"
#> [137] "hms"             "htmlTable"       "htmltools"       "htmlwidgets"
#> [141] "httpgd"          "httpuv"          "httr"            "httr2"
#> [145] "ids"             "ifaTools"        "igraph"          "infer"
#> [149] "ini"             "inline"          "ipred"           "isoband"
#> [153] "iterators"       "jomo"            "jpeg"            "jquerylib"
#> [157] "jsonlite"        "jsonvalidate"    "kernlab"         "knitr"
#> [161] "ks"              "labeling"        "Lahman"          "languageserver"
#> [165] "later"           "latex2exp"       "lava"            "lavaan"
#> [169] "lazyeval"        "lhs"             "lifecycle"       "lintr"
#> [173] "listenv"         "littler"         "lme4"            "locfit"
#> [177] "longMI"          "loo"             "lubridate"       "magick"
#> [181] "magrittr"        "markdown"        "MatrixModels"    "matrixStats"
#> [185] "mclust"          "memoise"         "metaSEM"         "mice"
#> [189] "microbenchmark" "mime"            "miniUI"          "minqa"
#> [193] "mitml"           "mize"            "mnormt"          "modeldata"
#> [197] "modelenv"        "modelr"          "MplusAutomation" "multicool"
#> [201] "munsell"         "mvtnorm"         "nloptr"          "numDeriv"
#> [205] "nycflights13"    "OpenMx"          "openssl"         "ordinal"
#> [209] "pan"             "pander"          "parallelly"      "parsnip"
#> [213] "patchwork"       "pbapply"         "pbivnorm"        "pbkrtest"
#> [217] "pcaPP"           "pdftools"        "pillar"          "pkgbuild"
#> [221] "pkgconfig"       "pkgdown"         "pkgload"         "plogr"
#> [225] "plyr"            "png"             "posterior"       "pracma"
#> [229] "praise"          "prettyunits"     "printr"          "processx"
#> [233] "prodlim"         "profvis"         "progress"        "progressr"

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#> [237]	"promises"	"proto"	"ps"	"psych"
#> [241]	"purrr"	"qgraph"	"qpdf"	"quadprog"
#> [245]	"quantreg"	"quarto"	"QuickJSR"	"R.cache"
#> [249]	"R.methodsS3"	"R.oo"	"R.utils"	"R6"
#> [253]	"ragg"	"rainbow"	"rappdirs"	"rbibutils"
#> [257]	"rcmdcheck"	"RColorBrewer"	"Rcpp"	"RcppArmadillo"
#> [261]	"RcppEigen"	"RcppGSL"	"RcppParallel"	"RcppTOML"
#> [265]	"RCurl"	"Rdpack"	"readr"	"readxl"
#> [269]	"recipes"	"RefManageR"	"rematch"	"rematch2"
#> [273]	"remotes"	"reprex"	"reshape2"	"reticulate"
#> [277]	"rex"	"rhub"	"rlang"	"RMariaDB"
#> [281]	"rmarkdown"	"roxygen2"	"rpf"	"RPostgres"
#> [285]	"rProject"	"rprojroot"	"rsample"	"RSQLite"
#> [289]	"rstan"	"rstantools"	"rstudioapi"	"rversions"
#> [293]	"rvest"	"Ryacas"	"sass"	"scales"
#> [297]	"selectr"	"semlbci"	"semmccci"	"sessioninfo"
#> [301]	"shape"	"shiny"	"simStateSpace"	"slider"
#> [305]	"snow"	"snowfall"	"sourcetools"	"SparseM"
#> [309]	"SQUAREM"	"StanHeaders"	"statmod"	"stringi"
#> [313]	"stringr"	"styler"	"symSEM"	"sys"
#> [317]	"systemfonts"	"tensorA"	"testthat"	"texreg"
#> [321]	"textshaping"	"tibble"	"tidymodels"	"tidyr"
#> [325]	"tidyselect"	"tidyverse"	"timechange"	"timeDate"
#> [329]	"tinytex"	"tune"	"tzdb"	"ucminf"
#> [333]	"unigd"	"urlchecker"	"usethis"	"utf8"
#> [337]	"uuid"	"V8"	"vctrs"	"viridis"
#> [341]	"viridisLite"	"vroom"	"waldo"	"warp"

#> [345]	"whisker"	"whoami"	"withr"	"workflows"
#> [349]	"workflowsets"	"xfun"	"xml2"	"xmlparsedata"
#> [353]	"xopen"	"xtable"	"yaml"	"yardstick"
#> [357]	"zip"	"base"	"boot"	"class"
#> [361]	"cluster"	"codetools"	"compiler"	"datasets"
#> [365]	"foreign"	"graphics"	"grDevices"	"grid"
#> [369]	"KernSmooth"	"lattice"	"MASS"	"Matrix"
#> [373]	"methods"	"mgcv"	"nlme"	"nnet"
#> [377]	"parallel"	"rpart"	"spatial"	"splines"
#> [381]	"stats"	"stats4"	"survival"	"tcltk"
#> [385]	"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/>