

Session Info

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Session

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sessionInfo()
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#> R version 4.5.2 (2025-10-31)
#> Platform: x86_64-pc-linux-gnu
#> Running under: Ubuntu 24.04.3 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-p-r0.3.26.so; LAPACK version 3.12.0
#>
#> 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
#> tzcode source: system (glibc)
#>
#> attached base packages:
#> [1] stats      graphics  grDevices  utils      datasets  methods   base
#>
#> other attached packages:
#> [1] rProject_0.0.23
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.6.1         lubridate_1.9.4  xfun_0.55
#>  [5] magrittr_2.0.4   glue_1.8.0       stringr_1.6.0    knitr_1.51
#>  [9] timechange_0.3.0 generics_0.1.4    lifecycle_1.0.5  xml2_1.5.1
#> [13] cli_3.6.5.9000  bibtex_0.5.1     compiler_4.5.2   plyr_1.8.9
#> [17] highr_0.11       rprojroot_2.1.1  httr_1.4.7       tools_4.5.2
#> [21] evaluate_1.0.5   Rcpp_1.1.1       RefManageR_1.4.0 ote1_0.2.0
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#> [25] rlang_1.1.7      jsonlite_2.0.0    stringi_1.8.7
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Packages

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unname(installed.packages()[, 1])
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```
#> [1] "cfr"      "devtools"  "gert"
#> [4] "Rcpp"     "rProject"  "simStateSpace"
#> [7] "testthat" "tibble"    "tinytex"
#> [10] "abind"    "Amelia"    "arm"
#> [13] "arrow"    "ash"       "AsioHeaders"
#> [16] "askpass"  "assertthat" "backports"
#> [19] "base64enc" "betaDelta" "betaMC"
#> [22] "betaNB"   "betaSandwich" "BH"
#> [25] "bibtex"   "BiocManager" "BiocVersion"
#> [28] "bit"      "bit64"     "bitops"
#> [31] "blob"     "bootStateSpace" "brew"
#> [34] "brio"     "broom"     "bslib"
#> [37] "cachem"   "callr"     "car"
#> [40] "caracas"  "carData"   "cellranger"
#> [43] "cfr"      "checkmate" "cli"
#> [46] "clipr"    "clock"     "clusterGeneration"
#> [49] "coda"     "cOde"      "collections"
#> [52] "colorspace" "commonmark" "conflicted"
#> [55] "corpcor"  "covr"      "cowplot"
#> [58] "cpp11"    "crayon"    "credentials"
#> [61] "crosstalk" "cTMed"     "ctsem"
#> [64] "curl"     "data.table" "DBI"
#> [67] "dbplyr"   "Deriv"     "desc"
#> [70] "deSolve"  "devtools"  "diagram"
#> [73] "dials"    "DiceDesign" "diffobj"
#> [76] "digest"   "distributional" "distro"
#> [79] "doBy"     "docopt"    "downlit"
#> [82] "dplyr"    "DT"        "dtplyr"
#> [85] "duckdb"   "dynr"      "dynUtils"
#> [88] "ellipse"  "ellipsis"   "evaluate"
#> [91] "expm"     "fans"      "farver"
#> [94] "fastDummies" "fastmap"   "fclust"
#> [97] "fda"      "fdrtool"   "fds"
#> [100] "fitDTVARmXID" "FNN"       "fontawesome"
#> [103] "forcats"  "foreach"   "forecast"
#> [106] "Formula"  "fracdiff"  "fs"
#> [109] "fst"      "fstcore"   "furrr"
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#> [112] "future"           "future.apply"     "gargle"
#> [115] "generics"         "gert"              "ggplot2"
#> [118] "ggrepel"          "gh"                "gitcreds"
#> [121] "glasso"           "glmnet"            "globals"
#> [124] "glue"             "googledrive"       "googlesheets4"
#> [127] "gower"            "GPArotation"       "GPfit"
#> [130] "graphicalVAR"     "gridExtra"         "gsubfn"
#> [133] "gtable"           "gtools"            "hardhat"
#> [136] "haven"            "hdcrcde"           "here"
#> [139] "highr"            "Hmisc"             "hms"
#> [142] "htmlTable"        "htmltools"         "htmlwidgets"
#> [145] "httpgd"           "httpuv"            "httr"
#> [148] "httr2"            "ids"               "ifaTools"
#> [151] "igraph"           "infer"             "ini"
#> [154] "inline"           "ipred"             "isoband"
#> [157] "iterators"        "jomo"              "jpeg"
#> [160] "jquerylib"        "jsonlite"          "jsonvalidate"
#> [163] "kernlab"          "knitr"             "ks"
#> [166] "labeling"         "Lahman"            "languageserver"
#> [169] "later"            "latex2exp"         "lava"
#> [172] "lavaan"           "lazyeval"          "lhs"
#> [175] "lifecycle"        "lintr"             "listenv"
#> [178] "litedown"         "littler"           "lme4"
#> [181] "lmtest"           "locfit"            "longMI"
#> [184] "loo"              "lubridate"         "magick"
#> [187] "magrittr"         "markdown"          "MatrixModels"
#> [190] "matrixStats"      "mclust"            "memoise"
#> [193] "metaSEM"          "metaVAR"           "mice"
#> [196] "microbenchmark"   "mime"              "miniUI"
#> [199] "minqa"            "mitml"             "mize"
#> [202] "mlVAR"            "mnormt"            "modeldata"
#> [205] "modelenv"         "modelr"            "MplusAutomation"
#> [208] "multicool"        "mvtnorm"           "nloptr"
#> [211] "numDeriv"         "nycflights13"      "OpenMx"
#> [214] "openssl"          "ordinal"           "otel"
#> [217] "pan"              "pander"            "parallelly"
#> [220] "parsnip"          "patchwork"         "pbapply"
#> [223] "pbivnorm"         "pbkrtest"          "pcaPP"
#> [226] "pdftools"         "pillar"            "pkgbuild"
#> [229] "pkgconfig"        "pkgdown"           "pkgload"
#> [232] "plogr"            "plyr"              "png"
#> [235] "posterior"        "pracma"            "praise"
#> [238] "prettyunits"      "printr"            "processx"
#> [241] "prodlim"          "profvis"           "progress"
#> [244] "progressr"        "promises"          "proto"

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#> [247] "ps"	"psych"	"purrr"
#> [250] "qgraph"	"qpdf"	"quadprog"
#> [253] "quantmod"	"quantreg"	"quarto"
#> [256] "QuickJSR"	"R.cache"	"R.methodsS3"
#> [259] "R.oo"	"R.utils"	"R2jags"
#> [262] "R2WinBUGS"	"R6"	"ragg"
#> [265] "rainbow"	"rappdirs"	"rbibutils"
#> [268] "rcmdcheck"	"RColorBrewer"	"Rcpp"
#> [271] "RcppArmadillo"	"RcppEigen"	"RcppGSL"
#> [274] "RcppParallel"	"RcppTOML"	"RCurl"
#> [277] "Rdpack"	"readr"	"readxl"
#> [280] "recipes"	"RefManageR"	"reformulas"
#> [283] "rematch"	"rematch2"	"remotes"
#> [286] "reprex"	"reshape2"	"reticulate"
#> [289] "rex"	"rhdf5"	"rhdf5filters"
#> [292] "Rhdf5lib"	"rhub"	"rjags"
#> [295] "rlang"	"RMariaDB"	"rmarkdown"
#> [298] "roxygen2"	"rpf"	"RPostgres"
#> [301] "rProject"	"rprojroot"	"rsample"
#> [304] "RSQLite"	"rstan"	"rstantools"
#> [307] "rstudioapi"	"rversions"	"rvest"
#> [310] "Ryacas"	"S7"	"sass"
#> [313] "scales"	"selectr"	"semlbci"
#> [316] "semmcci"	"sessioninfo"	"sfd"
#> [319] "shape"	"shiny"	"simStateSpace"
#> [322] "slider"	"snow"	"snowfall"
#> [325] "sourcetools"	"SparseM"	"sparsevctrs"
#> [328] "SQUAREM"	"StanHeaders"	"stringi"
#> [331] "stringr"	"styler"	"symSEM"
#> [334] "sys"	"systemfonts"	"tailor"
#> [337] "tensorA"	"testthat"	"texreg"
#> [340] "textshaping"	"tibble"	"tidymodels"
#> [343] "tidyr"	"tidyselect"	"tidyverse"
#> [346] "timechange"	"timeDate"	"tinytex"
#> [349] "tseries"	"TTR"	"tune"
#> [352] "tzdb"	"ucminf"	"unigd"
#> [355] "urca"	"urlchecker"	"usethis"
#> [358] "utf8"	"uuid"	"V8"
#> [361] "vctrs"	"viridisLite"	"vroom"
#> [364] "waldo"	"warp"	"whisker"
#> [367] "whoami"	"withr"	"workflows"
#> [370] "workflowsets"	"xfun"	"xml2"
#> [373] "xmlparsedata"	"xopen"	"xtable"
#> [376] "xts"	"yaml"	"yardstick"
#> [379] "zip"	"zoo"	"base"

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#> [382] "boot"          "class"          "cluster"
#> [385] "codetools"     "compiler"       "datasets"
#> [388] "foreign"       "graphics"       "grDevices"
#> [391] "grid"          "KernSmooth"    "lattice"
#> [394] "MASS"          "Matrix"         "methods"
#> [397] "mgcv"          "nlme"           "nnet"
#> [400] "parallel"      "rpart"          "spatial"
#> [403] "splines"       "stats"          "stats4"
#> [406] "survival"      "tcltk"          "tools"
#> [409] "utils"

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References

- Pesigan, I. J. A., Russell, M. A., & Chow, S.-M. (2025). Inferences and effect sizes for direct, indirect, and total effects in continuous-time mediation models. *Psychological Methods*. <https://doi.org/10.1037/met0000779>
- R Core Team. (2025). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>