

# Session Info

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## Session

```
sessionInfo()
```

```
#> R version 4.3.3 (2024-02-29)
#> Platform: x86_64-pc-linux-gnu (64-bit)
#> 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-p-r0.3.20.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
#> 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_4.3.3   highr_0.10
#> [17] rprojroot_2.0.4  plyr_1.8.9      httr_1.4.7       tools_4.3.3
#> [21] evaluate_0.23    Rcpp_1.0.12     RefManageR_1.4.0 rlang_1.1.3
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#> [25] jsonlite_1.8.8 stringi_1.8.3
```

## Packages

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unnname(installed.packages()[, 1])
```

```
#> [1] "dynUtils"      "rProject"      "abind"         "arrow"
#> [5] "ash"           "AsioHeaders"   "askpass"       "assertthat"
#> [9] "backports"     "base64enc"     "betaDelta"     "betaMC"
#> [13] "betaNB"        "betaSandwich"  "BH"            "bibtex"
#> [17] "BiocManager"   "bit"           "bit64"         "bitops"
#> [21] "blob"          "brew"          "brio"          "broom"
#> [25] "bslib"         "cachem"        "callr"         "car"
#> [29] "caracas"       "carData"       "cellranger"    "cffi"
#> [33] "checkmate"     "cli"           "clipr"         "clock"
#> [37] "c0de"          "collections"   "colorspace"    "commonmark"
#> [41] "conflicted"    "corpcor"       "covr"          "cpp11"
#> [45] "crayon"        "credentials"   "crosstalk"     "cTMed"
#> [49] "ctsem"         "curl"          "cyclocomp"     "data.table"
#> [53] "DBI"           "dbplyr"        "Deriv"         "desc"
#> [57] "deSolve"       "devtools"      "diagram"       "dials"
#> [61] "DiceDesign"    "diffobj"       "digest"        "distributional"
#> [65] "distro"        "doBy"          "docopt"        "doFuture"
#> [69] "downlit"       "dplyr"         "DT"            "dtplyr"
#> [73] "duckdb"        "dynr"          "dynUtils"      "ellipse"
#> [77] "ellipsis"      "evaluate"      "expm"          "fansib"
#> [81] "farver"        "fastmap"       "fclust"        "fda"
#> [85] "fdrtool"       "fds"           "FNN"           "fontawesome"
#> [89] "forcats"       "foreach"       "Formula"       "fs"
#> [93] "fst"           "fstcore"       "furry"         "future"
#> [97] "future.apply"  "gargle"        "generics"      "gert"
#> [101] "ggplot2"       "ggrepel"       "gh"            "gitcreds"
#> [105] "glasso"        "glmnet"        "globals"       "glue"
#> [109] "googledrive"   "googlesheets4" "gower"         "GPfit"
#> [113] "gridExtra"     "gtable"        "gtools"        "hardhat"
#> [117] "haven"         "hdcrcde"       "here"          "highr"
#> [121] "Hmisc"         "hms"           "htmlTable"     "htmltools"
#> [125] "htmlwidgets"   "httpgd"        "httpuv"        "httr"
#> [129] "httr2"         "ids"           "ifftools"      "igraph"
#> [133] "infer"         "ini"           "inline"        "ipred"
#> [137] "isoband"       "iterators"     "jomo"          "jpeg"
#> [141] "jquerylib"     "jsonlite"      "jsonvalidate"   "kernlab"
#> [145] "knitr"         "ks"            "labeling"      "Lahman"
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#> [149] "languageserver" "later"          "latex2exp"      "lava"
#> [153] "lavaan"         "lazyeval"       "lhs"            "lifecycle"
#> [157] "lintr"          "listenv"        "littler"        "lme4"
#> [161] "locfit"         "longMI"         "loo"            "lubridate"
#> [165] "magick"         "magrittr"       "markdown"       "MatrixModels"
#> [169] "matrixStats"   "mclust"         "memoise"        "metaSEM"
#> [173] "mice"           "microbenchmark" "mime"           "miniUI"
#> [177] "minqa"         "mitml"          "mize"           "mnormt"
#> [181] "modeldata"     "modelenv"       "modelr"         "multicool"
#> [185] "munsell"       "mvtnorm"        "nloptr"         "numDeriv"
#> [189] "nycflights13"  "OpenMx"         "openssl"        "ordinal"
#> [193] "pan"           "parallelly"     "parsnip"        "patchwork"
#> [197] "pbapply"       "pbivnorm"       "pbkrtest"       "pcaPP"
#> [201] "pdftools"      "pillar"         "pkgbuild"       "pkgconfig"
#> [205] "pkgdown"       "pkgload"        "plogr"          "plyr"
#> [209] "png"           "posterior"      "pracma"         "praise"
#> [213] "prettyunits"   "printr"         "processx"       "prodlim"
#> [217] "profvis"       "progress"       "progressr"      "promises"
#> [221] "ps"            "psych"          "purrr"          "qgraph"
#> [225] "qpdf"          "quadprog"       "quantreg"       "quarto"
#> [229] "QuickJSR"      "R.cache"        "R.methodsS3"    "R.oo"
#> [233] "R.utils"       "R6"             "ragg"           "rainbow"
#> [237] "rappdirs"      "rbibutils"      "rcmdcheck"      "RColorBrewer"
#> [241] "Rcpp"          "RcppArmadillo"  "RcppEigen"      "RcppGSL"
#> [245] "RcppParallel"  "RcppTOML"       "RCurl"          "Rdpack"
#> [249] "readr"         "readxl"         "recipes"        "RefManageR"
#> [253] "rematch"       "rematch2"       "remotes"        "reprex"
#> [257] "reshape2"     "reticulate"     "rex"            "rhub"
#> [261] "rlang"         "RMariaDB"       "rmarkdown"      "roxygen2"
#> [265] "rpf"          "RPostgres"      "rProject"       "rprojroot"
#> [269] "rsample"       "RSQLite"        "rstan"          "rstantools"
#> [273] "rstudioapi"   "rversions"      "rvest"          "Ryacas"
#> [277] "sass"         "scales"         "selectr"        "semblbci"
#> [281] "semmccci"     "sessioninfo"    "shape"          "shiny"
#> [285] "simStateSpace" "slider"         "snow"           "snowfall"
#> [289] "sourcetools"  "SparseM"        "SQUAREM"        "StanHeaders"
#> [293] "stringi"      "stringr"        "styler"         "symSEM"
#> [297] "sys"          "systemfonts"    "tensorA"        "testthat"
#> [301] "textshaping"  "tibble"         "tidymodels"     "tidyr"
#> [305] "tidyselect"   "tidyverse"      "timechange"     "timeDate"
#> [309] "tinytex"     "tune"           "tzdb"           "ucminf"
#> [313] "unigd"        "urlchecker"     "usethis"        "utf8"
#> [317] "uuid"         "V8"             "vctrs"          "viridis"
#> [321] "viridisLite"  "vroom"          "waldo"          "warp"
#> [325] "whisker"      "whoami"         "withr"          "workflows"

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#> [329] "workflowsets"  "xfun"          "xml2"          "xmlparsedata"
#> [333] "xopen"         "xtable"        "yaml"          "yardstick"
#> [337] "zip"           "base"          "boot"          "class"
#> [341] "cluster"       "codetools"     "compiler"      "datasets"
#> [345] "foreign"       "graphics"      "grDevices"     "grid"
#> [349] "KernSmooth"   "lattice"       "MASS"          "Matrix"
#> [353] "methods"       "mgcv"          "nlme"          "nnet"
#> [357] "parallel"      "rpart"         "spatial"       "splines"
#> [361] "stats"         "stats4"        "survival"      "tcltk"
#> [365] "tools"         "utils"

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## References

R Core Team. (2023). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>