

# Session Info

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## Session

```
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-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_0.0.13
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.5.1         lubridate_1.9.3  xfun_0.45
#>  [5] magrittr_2.0.3   glue_1.7.0       stringr_1.5.1    knitr_1.47
#>  [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_1.0.12      RefManageR_1.4.0 rlang_1.1.4
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#> [25] jsonlite_1.8.8 stringi_1.8.4
```

## Packages

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

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

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#> [329] "urlchecker"      "usethis"         "utf8"            "uuid"
#> [333] "V8"              "vctrs"           "viridis"         "viridisLite"
#> [337] "vroom"           "waldo"           "warp"            "whisker"
#> [341] "whoami"          "withr"           "workflows"       "workflowsets"
#> [345] "xfun"            "xml2"            "xmlparsedata"    "xopen"
#> [349] "xtable"          "yaml"            "yardstick"       "zip"
#> [353] "base"            "boot"            "class"           "cluster"
#> [357] "codetools"       "compiler"        "datasets"        "foreign"
#> [361] "graphics"        "grDevices"       "grid"            "KernSmooth"
#> [365] "lattice"         "MASS"            "Matrix"          "methods"
#> [369] "mgcv"            "nlme"            "nnet"            "parallel"
#> [373] "rpart"           "spatial"         "splines"         "stats"
#> [377] "stats4"          "survival"        "tcltk"           "tools"
#> [381] "utils"

```

## References

R Core Team. (2024). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing, Vienna, Austria. <https://www.R-project.org/>