

# Session Info

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## Session

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sessionInfo()

#> R version 4.3.0 (2023-04-21)
#> Platform: x86_64-pc-linux-gnu (64-bit)
#> Running under: Ubuntu 20.04.6 LTS
#>
#> Matrix products: default
#> BLAS: /usr/lib/x86_64-linux-gnu/atlas/libblas.so.3.10.3
#> LAPACK: /usr/lib/x86_64-linux-gnu/atlas/liblapack.so.3.10.3; LAPACK version 3.9.0
#>
#> locale:
#>  [1] LC_CTYPE=C.UTF-8      LC_NUMERIC=C           LC_TIME=C.UTF-8
#>  [4] LC_COLLATE=C.UTF-8    LC_MONETARY=C.UTF-8    LC_MESSAGES=C.UTF-8
#>  [7] LC_PAPER=C.UTF-8      LC_NAME=C              LC_ADDRESS=C
#> [10] LC_TELEPHONE=C        LC_MEASUREMENT=C.UTF-8 LC_IDENTIFICATION=C
#>
#> time zone: UTC
#> tzcode source: system (glibc)
#>
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#> attached base packages:
#> [1] stats      graphics  grDevices  utils      datasets  methods   base
#>
#> loaded via a namespace (and not attached):
#> [1] compiler_4.3.0      rprojroot_2.0.3      tools_4.3.0
#> [4] rProject_0.0.0.9000 highr_0.10            knitr_1.43
#> [7] xfun_0.39           evaluate_0.21
```

## Packages

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

#> [1] "askpass"      "assertthat"    "backports"     "base64enc"
#> [5] "betaDelta"    "betaSandwich"  "bit"           "bit64"
#> [9] "blob"         "brew"          "brio"          "broom"
#> [13] "bslib"        "cachem"        "callr"         "cellranger"
#> [17] "cffi"         "cli"           "clipr"         "colorspace"
#> [21] "commonmark"   "conflicted"    "covr"          "cpp11"
#> [25] "crayon"       "credentials"    "curl"          "cyclocomp"
#> [29] "data.table"   "DBI"           "dbplyr"        "desc"
#> [33] "devtools"     "diffobj"       "digest"        "distro"
#> [37] "downlit"      "dplyr"         "dtplyr"        "ellipsis"
#> [41] "evaluate"     "fansi"         "farver"        "fastmap"
#> [45] "fontawesome"  "forcats"       "foreach"       "fs"
#> [49] "gargle"       "generics"      "gert"          "ggplot2"
#> [53] "gh"           "gitcreds"      "glmnet"        "glue"
#> [57] "googledrive"  "googlesheets4" "gtable"        "haven"
#> [61] "highr"        "hms"           "htmltools"     "htmlwidgets"
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#> [65] "httpuv"      "httr"      "httr2"      "ids"
#> [69] "ini"         "isoband"   "iterators"  "jomo"
#> [73] "jquerylib"   "jsonlite"  "jsonvalidate" "knitr"
#> [77] "labeling"    "later"     "lavaan"     "lazyeval"
#> [81] "lifecycle"   "lintr"     "lme4"        "lubridate"
#> [85] "magick"      "magrittr"  "memoise"     "mice"
#> [89] "microbenchmark" "mime"     "miniUI"     "minqa"
#> [93] "mitml"       "mnormt"    "modelr"     "munsell"
#> [97] "nloptr"      "numDeriv"  "openssl"    "ordinal"
#> [101] "pan"         "parsedate" "pbivnorm"   "pdftools"
#> [105] "pillar"      "pkgbuild"  "pkgconfig"  "pkgdown"
#> [109] "pkgload"     "praise"    "prettyunits" "processx"
#> [113] "profvis"     "progress"  "promises"   "ps"
#> [117] "purrr"       "qpdf"      "quadprog"   "R.cache"
#> [121] "R.methodsS3" "R.oo"      "R.utils"    "R6"
#> [125] "ragg"        "rappdirs"  "rcmdcheck"  "RColorBrewer"
#> [129] "Rcpp"        "RcppEigen" "readr"       "readxl"
#> [133] "rematch"     "rematch2"  "remotes"    "reprex"
#> [137] "rex"         "rhub"      "rlang"      "rmarkdown"
#> [141] "roxygen2"    "rProject"  "rprojroot"  "rstudioapi"
#> [145] "rversions"   "rvest"     "sass"       "scales"
#> [149] "selectr"     "sessioninfo" "shape"      "shiny"
#> [153] "sourcetools" "stringi"    "stringr"    "styler"
#> [157] "sys"         "systemfonts" "template"   "testthat"
#> [161] "textshaping" "tibble"    "tidyr"      "tidyselect"
#> [165] "tidyverse"   "timechange" "tinytex"    "tzdb"
#> [169] "ucminf"      "urlchecker" "usethis"    "utf8"

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#> [173] "uuid"          "V8"            "vctrs"         "viridisLite"
#> [177] "vroom"         "waldo"         "whisker"       "whoami"
#> [181] "withr"         "xfun"          "xml2"          "xmlparsedata"
#> [185] "xopen"         "xtable"        "yaml"          "zip"
#> [189] "base"          "boot"          "class"         "cluster"
#> [193] "codetools"     "compiler"      "datasets"      "foreign"
#> [197] "graphics"      "grDevices"     "grid"          "KernSmooth"
#> [201] "lattice"       "MASS"          "Matrix"        "methods"
#> [205] "mgcv"          "nlme"          "nnet"          "parallel"
#> [209] "rpart"         "spatial"       "splines"       "stats"
#> [213] "stats4"        "survival"      "tcltk"         "tools"
#> [217] "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/>