

# 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_1.42
#> [7] xfun_0.39           evaluate_0.20
```

## 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"        "distrib"
#> [37] "downlit"      "dplyr"         "dtplyr"        "ellipsis"
#> [41] "evaluate"     "fansi"         "farver"        "fastmap"
#> [45] "fontawesome"  "forcats"       "fs"            "gargle"
#> [49] "generics"     "gert"          "ggplot2"       "gh"
#> [53] "gitcreds"     "glue"          "googledrive"   "googlesheets4"
#> [57] "gtable"       "haven"         "highr"         "hms"
#> [61] "htmltools"    "htmlwidgets"   "httpuv"        "httr"
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#> [65] "httr2"      "ids"      "ini"      "isoband"
#> [69] "jquerylib"  "jsonlite" "jsonvalidate" "knitr"
#> [73] "labeling"   "later"    "lavaan"    "lazyeval"
#> [77] "lifecycle"  "lintr"    "lubridate" "magick"
#> [81] "magrittr"   "manBetaCIWald" "memoise"   "mice"
#> [85] "microbenchmark" "mime"      "miniUI"    "mnormt"
#> [89] "modelr"     "munsell"  "numDeriv"  "openssl"
#> [93] "parsedate"  "pbivnorm" "pdftools"  "pillar"
#> [97] "pkgbuild"   "pkgconfig" "pkgdown"   "pkgload"
#> [101] "praise"     "prettyunits" "processx"  "profvis"
#> [105] "progress"   "promises" "ps"        "purrr"
#> [109] "qpdf"       "quadprog" "R.cache"   "R.methodsS3"
#> [113] "R.oo"       "R.utils"  "R6"        "ragg"
#> [117] "rappdirs"   "rcmdcheck" "RColorBrewer" "Rcpp"
#> [121] "readr"      "readxl"   "rematch"   "rematch2"
#> [125] "remotes"    "reprex"   "rex"       "rhub"
#> [129] "rlang"      "rmarkdown" "roxygen2"   "rProject"
#> [133] "rprojroot"  "rstudioapi" "rversions"  "rvest"
#> [137] "sass"       "scales"    "selectr"    "sessioninfo"
#> [141] "shiny"      "sourcetools" "stringi"    "stringr"
#> [145] "styler"     "sys"       "systemfonts" "testthat"
#> [149] "textshaping" "tibble"    "tidyr"      "tidyselect"
#> [153] "tidyverse"  "timechange" "tinytex"    "tzdb"
#> [157] "urlchecker" "usethis"   "utf8"       "uuid"
#> [161] "V8"         "vctrs"     "viridisLite" "vroom"
#> [165] "waldo"      "whisker"   "whoami"     "withr"
#> [169] "xfun"       "xml2"      "xmlparsedata" "xopen"

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#> [173] "xtable"      "yaml"      "zip"      "base"
#> [177] "boot"       "class"     "cluster"  "codetools"
#> [181] "compiler"   "datasets"  "foreign"  "graphics"
#> [185] "grDevices"  "grid"      "KernSmooth" "lattice"
#> [189] "MASS"       "Matrix"    "methods"  "mgcv"
#> [193] "nlme"       "nnet"      "parallel" "rpart"
#> [197] "spatial"    "splines"   "stats"    "stats4"
#> [201] "survival"   "tcltk"     "tools"    "utils"

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## References

R Core Team. (2022). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>