

# 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"    "betaNB"          "betaSandwich"   "bit"
#> [9] "bit64"        "blob"            "brew"           "brio"
#> [13] "broom"        "bslib"           "cachem"         "callr"
#> [17] "cellranger"   "cfr"             "cli"            "clipr"
#> [21] "colorspace"   "commonmark"      "conflicted"     "covr"
#> [25] "cpp11"        "crayon"          "credentials"     "curl"
#> [29] "cyclocomp"    "data.table"      "DBI"            "dbplyr"
#> [33] "desc"         "devtools"        "diffobj"        "digest"
#> [37] "distro"       "downlit"         "dplyr"          "dtplyr"
#> [41] "ellipsis"     "evaluate"        "fans"          "farver"
#> [45] "fastmap"      "fontawesome"     "forcats"        "fs"
#> [49] "gargle"       "generics"        "gert"           "ggplot2"
#> [53] "gh"          "gitcreds"        "glue"           "googledrive"
#> [57] "googlesheets4" "gtable"          "haven"          "highr"
#> [61] "hms"         "htmltools"       "htmlwidgets"    "httpuv"
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#> [65] "httr"          "httr2"          "ids"            "ini"
#> [69] "isoband"       "jquerylib"      "jsonlite"       "jsonvalidate"
#> [73] "knitr"         "labeling"       "later"          "lavaan"
#> [77] "lazyeval"      "lifecycle"      "lintr"          "lubridate"
#> [81] "magick"        "magrittr"       "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"

```

## 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/>