

# 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)
#>
```

```
#> 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"   "memoise"  "microbenchmark" "mime"
#> [85] "miniUI"     "mnormt"   "modelr"    "munsell"
#> [89] "numDeriv"   "openssl"  "parsedate" "pbivnorm"
#> [93] "pdftools"   "pillar"   "pkgbuild"  "pkgconfig"
#> [97] "pkgdown"    "pkgload"  "praise"    "prettyunits"
#> [101] "processx"   "profvis"  "progress"  "promises"
#> [105] "ps"         "purrr"    "qpdf"      "quadprog"
#> [109] "R.cache"    "R.methodsS3" "R.oo"      "R.utils"
#> [113] "R6"         "ragg"     "rappdirs"  "rcmdcheck"
#> [117] "RColorBrewer" "Rcpp"     "readr"     "readxl"
#> [121] "rematch"    "rematch2" "remotes"   "reprex"
#> [125] "rex"        "rhub"     "rlang"     "rmarkdown"
#> [129] "roxygen2"   "rProject" "rprojroot" "rstudioapi"
#> [133] "rversions"  "rvest"    "sass"      "scales"
#> [137] "selectr"    "sessioninfo" "shiny"     "sourcetools"
#> [141] "stringi"    "stringr"  "styler"    "sys"
#> [145] "systemfonts" "testthat" "textshaping" "tibble"
#> [149] "tidyr"      "tidyselect" "tidyverse" "timechange"
#> [153] "tinytex"    "tzdb"     "urlchecker" "usethis"
#> [157] "utf8"       "uuid"     "V8"        "vctrs"
#> [161] "viridisLite" "vroom"    "waldo"     "whisker"
#> [165] "whoami"     "withr"    "xfun"      "xml2"
#> [169] "xmlparsedata" "xopen"    "xtable"    "yaml"

```

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