

# 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_1.43
#> [7] xfun_0.39           evaluate_0.21
```

## Packages

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

#>   [1] "askpass"      "assertthat"    "backports"     "base64enc"
#>   [5] "betaNB"       "bit"           "bit64"         "blob"
#>   [9] "brew"         "brio"          "broom"         "bslib"
#>  [13] "cachem"       "callr"         "cellranger"    "cfr"
#>  [17] "cli"          "clipr"         "colorspace"    "commonmark"
#>  [21] "conflicted"   "covr"          "cpp11"         "crayon"
#>  [25] "credentials"  "curl"          "cyclocomp"     "data.table"
#>  [29] "DBI"          "dbplyr"        "desc"          "devtools"
#>  [33] "diffobj"      "digest"        "distro"        "downlit"
#>  [37] "dplyr"        "dtplyr"        "ellipsis"      "evaluate"
#>  [41] "fansi"        "farver"        "fastmap"       "fontawesome"
#>  [45] "forcats"      "fs"            "gargle"        "generics"
#>  [49] "gert"         "ggplot2"       "gh"            "gitcreds"
#>  [53] "glue"         "googledrive"   "googlesheets4" "gtable"
#>  [57] "haven"        "highr"         "hms"           "htmltools"
#>  [61] "htmlwidgets" "httpuv"        "httr"          "httr2"
```

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#> [65] "ids"          "ini"          "isoband"      "jquerylib"
#> [69] "jsonlite"     "jsonvalidate" "knitr"        "labeling"
#> [73] "later"        "lazyeval"     "lifecycle"    "lintr"
#> [77] "lubridate"    "magick"       "magrittr"     "memoise"
#> [81] "microbenchmark" "mime"        "miniUI"       "modelr"
#> [85] "munsell"      "openssl"      "parsedate"    "pdftools"
#> [89] "pillar"       "pkgbuild"     "pkgconfig"    "pkgdown"
#> [93] "pkgload"      "praise"       "prettyunits"  "processx"
#> [97] "profvis"      "progress"     "promises"     "ps"
#> [101] "purrr"        "qpdf"         "R.cache"      "R.methodsS3"
#> [105] "R.oo"         "R.utils"      "R6"           "ragg"
#> [109] "rappdirs"     "rcmdcheck"    "RColorBrewer" "Rcpp"
#> [113] "readr"        "readxl"       "rematch"      "rematch2"
#> [117] "remotes"      "reprex"       "rex"          "rhub"
#> [121] "rlang"        "rmarkdown"    "roxygen2"     "rProject"
#> [125] "rprojroot"    "rstudioapi"   "rversions"    "rvest"
#> [129] "sass"         "scales"       "selectr"      "sessioninfo"
#> [133] "shiny"        "sourcetools"  "stringi"      "stringr"
#> [137] "styler"       "sys"          "systemfonts"  "testthat"
#> [141] "textshaping"  "tibble"       "tidyr"        "tidyselect"
#> [145] "tidyverse"    "timechange"    "tinytex"      "tzdb"
#> [149] "urlchecker"   "usethis"      "utf8"         "uuid"
#> [153] "V8"           "vctrs"        "viridisLite"  "vroom"
#> [157] "waldo"        "whisker"      "whoami"       "withr"
#> [161] "xfun"         "xml2"         "xmlparsedata" "xopen"
#> [165] "xtable"       "yaml"         "zip"          "base"
#> [169] "boot"        "class"        "cluster"      "codetools"

```

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#> [173] "compiler"      "datasets"      "foreign"       "graphics"
#> [177] "grDevices"     "grid"          "KernSmooth"    "lattice"
#> [181] "MASS"          "Matrix"        "methods"       "mgcv"
#> [185] "nlme"          "nnet"          "parallel"      "rpart"
#> [189] "spatial"       "splines"       "stats"         "stats4"
#> [193] "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/>