

# Session Info

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## Session

```
sessionInfo()

#> R version 4.2.2 (2022-10-31)
#> Platform: x86_64-pc-linux-gnu (64-bit)
#> Running under: Ubuntu 20.04.5 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
#>
#> 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
#>
#> attached base packages:
#> [1] stats      graphics  grDevices  utils      datasets  methods   base
#>
```

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#> loaded via a namespace (and not attached):
#> [1] compiler_4.2.2      magrittr_2.0.3      rprojroot_2.0.3
#> [4] cli_3.5.0.9000      tools_4.2.2         glue_1.6.2
#> [7] rstudioapi_0.14     rProject_0.0.0.9000 vctrs_0.5.1
#> [10] stringi_1.7.8       highr_0.9           knitr_1.41
#> [13] stringr_1.5.0       xfun_0.35           lifecycle_1.0.3
#> [16] rlang_1.0.6         evaluate_0.19
```

## Packages

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

#> [1] "askpass"      "assertthat"    "backports"     "base64enc"
#> [5] "betaMC"       "bit"           "bit64"         "blob"
#> [9] "brew"         "brio"          "broom"         "bslib"
#> [13] "cachem"       "callr"         "cellranger"    "cli"
#> [17] "clipr"        "colorspace"    "commonmark"    "covr"
#> [21] "cpp11"        "crayon"        "credentials"    "curl"
#> [25] "cyclocomp"    "data.table"    "DBI"           "dbplyr"
#> [29] "desc"         "devtools"      "diffobj"       "digest"
#> [33] "distro"       "downlit"       "dplyr"         "dtplyr"
#> [37] "ellipsis"     "evaluate"      "fansI"         "farver"
#> [41] "fastmap"      "fontawesome"   "forcats"       "fs"
#> [45] "gargle"       "generics"      "gert"          "ggplot2"
#> [49] "gh"           "gitcreds"      "glue"          "googledrive"
#> [53] "googlesheets4" "gttable"       "haven"         "highr"
#> [57] "hms"          "htmltools"     "htmlwidgets"   "httpuv"
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#> [61] "httr"          "ids"          "ini"          "isoband"
#> [65] "jquerylib"     "jsonlite"     "knitr"        "labeling"
#> [69] "later"         "lazyeval"     "lifecycle"    "lintr"
#> [73] "lubridate"     "magick"       "magrittr"     "memoise"
#> [77] "microbenchmark" "mime"        "miniUI"       "modelr"
#> [81] "munSELL"       "openssl"      "parsedate"    "pdftools"
#> [85] "pillar"        "pkgbuild"     "pkgconfig"    "pkgdown"
#> [89] "pkgload"       "praise"       "prettyunits"  "processx"
#> [93] "profvis"       "progress"     "promises"     "ps"
#> [97] "purrr"         "qpdf"         "R.cache"      "R.methodsS3"
#> [101] "R.oo"          "R.utils"      "R6"           "ragg"
#> [105] "rappdirs"      "rcmdcheck"    "RColorBrewer" "Rcpp"
#> [109] "readr"         "readxl"       "rematch"      "rematch2"
#> [113] "remotes"       "reprex"       "rex"          "rhub"
#> [117] "rlang"         "rmarkdown"    "roxygen2"     "rProject"
#> [121] "rprojroot"     "rstudioapi"   "rversions"    "rvest"
#> [125] "sass"          "scales"       "selectr"      "sessioninfo"
#> [129] "shiny"         "sourcetools"  "stringi"      "stringr"
#> [133] "styler"        "sys"          "systemfonts"  "testthat"
#> [137] "textshaping"   "tibble"       "tidyr"        "tidyselect"
#> [141] "tidyverse"     "timechange"    "tinytex"      "tzdb"
#> [145] "urlchecker"    "usethis"      "utf8"         "uuid"
#> [149] "vctrs"         "viridisLite"  "vroom"        "waldo"
#> [153] "whisker"       "whoami"       "withr"        "xfun"
#> [157] "xml2"          "xmlparsedata" "xopen"        "xtable"
#> [161] "yaml"          "zip"          "base"         "boot"
#> [165] "class"         "cluster"      "codetools"    "compiler"

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#> [169] "datasets"      "foreign"      "graphics"     "grDevices"
#> [173] "grid"          "KernSmooth"   "lattice"      "MASS"
#> [177] "Matrix"        "methods"      "mgcv"         "nlme"
#> [181] "nnet"          "parallel"     "rpart"        "spatial"
#> [185] "splines"       "stats"        "stats4"       "survival"
#> [189] "tcltk"         "tools"        "utils"
```

## 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/>