

# Session Info

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## Session

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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      rprojroot_2.0.3     tools_4.2.2
#> [4] rProject_0.0.0.9000 highr_0.10           knitr_1.42
#> [7] xfun_0.37           evaluate_0.20
```

## Packages

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

#> [1] "askpass"      "assertthat"    "backports"     "base64enc"
#> [5] "betaSandwich" "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] "distribro"    "downlit"       "dplyr"         "dtplyr"
#> [37] "ellipsis"     "evaluate"      "fans"         "farver"
#> [41] "fastmap"      "fontawesome"   "forcats"       "fs"
#> [45] "gargle"       "generics"      "gert"          "ggplot2"
#> [49] "gh"           "gitcreds"      "glue"          "googledrive"
#> [53] "googlesheets4" "gtable"        "haven"         "highr"
#> [57] "hms"          "htmltools"     "htmlwidgets"   "httpuv"
#> [61] "httr"         "ids"           "ini"           "isoband"
#> [65] "jquerylib"    "jsonlite"      "knitr"         "labeling"
#> [69] "later"        "lazyeval"      "lifecycle"     "lintr"
```

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#> [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"
#> [169] "datasets"       "foreign"         "graphics"        "grDevices"
#> [173] "grid"           "KernSmooth"      "lattice"         "MASS"
#> [177] "Matrix"         "methods"         "mgcv"            "nlme"

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#> [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/>