

# 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

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

#> [1] "askpass"      "assertthat"    "backports"     "base64enc"
#> [5] "betaDelta"    "betaSandwich"  "bit"           "bit64"
#> [9] "blob"         "brew"          "brio"          "broom"
#> [13] "bslib"        "cachem"        "callr"         "cellranger"
#> [17] "cli"          "clipr"         "colorspace"    "commonmark"
#> [21] "conflicted"   "covr"          "cpp11"         "crayon"
#> [25] "credentials"  "curl"          "cyclocomp"     "data.table"
#> [29] "DBI"          "dbplyr"        "desc"          "devtools"
#> [33] "diffobj"      "digest"        "distribro"     "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"
#> [65] "ids"          "ini"           "isoband"       "jquerylib"
#> [69] "jsonlite"     "knitr"         "labeling"      "later"
```

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#> [73] "lazyeval"      "lifecycle"      "lintr"           "lubridate"
#> [77] "magick"         "magrittr"        "manBetaCIWald"   "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] "vctrs"          "viridisLite"     "vroom"            "waldo"
#> [157] "whisker"        "whoami"          "withr"            "xfun"
#> [161] "xml2"           "xmlparsedata"    "xopen"            "xtable"
#> [165] "yaml"           "zip"             "base"             "boot"
#> [169] "class"          "cluster"         "codetools"        "compiler"
#> [173] "datasets"       "foreign"         "graphics"         "grDevices"
#> [177] "grid"           "KernSmooth"      "lattice"          "MASS"

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#> [181] "Matrix"      "methods"      "mgcv"          "nlme"
#> [185] "nnet"         "parallel"      "rpart"          "spatial"
#> [189] "splines"      "stats"         "stats4"         "survival"
#> [193] "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/>