# Session Info

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## Session

```r
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] "abind"        "Amelia"       "arm"          "askpass"
#>  [5] "assertthat"   "backports"    "base64enc"    "betaDelta"
#>  [9] "betaMC"       "betaNB"       "betaSandwich" "bit"
#> [13] "bit64"        "blob"         "bmemLavaan"   "brew"
#> [17] "brio"         "broom"        "bslib"        "cachem"
#> [21] "callr"        "cellranger"   "cffr"         "cli"
#> [25] "clipr"        "coda"         "colorspace"   "commonmark"
#> [29] "conflicted"   "covr"         "cpp11"        "crayon"
#> [33] "credentials"  "curl"         "cyclocomp"    "data.table"
#> [37] "DBI"          "dbplyr"       "desc"         "devtools"
#> [41] "diffobj"      "digest"       "distro"       "downlit"
#> [45] "dplyr"        "dtplyr"       "ellipsis"     "evaluate"
#> [49] "fansi"        "farver"       "fastmap"      "fontawesome"
#> [53] "forcats"      "fs"           "gargle"       "generics"
#> [57] "gert"         "ggplot2"      "gh"           "gitcreds"
#> [61] "glue"         "googledrive"  "googlesheets4" "gtable"
```

```
#>   [65] "haven"          "highr"          "hms"            "htmltools"
#>   [69] "htmlwidgets"     "httpuv"         "httr"           "httr2"
#>   [73] "ids"             "ini"            "isoband"        "jquerylib"
#>   [77] "jsonlite"        "jsonvalidate"   "knitr"          "labeling"
#>   [81] "later"           "lavaan"         "lazyeval"       "lifecycle"
#>   [85] "lintr"           "lme4"           "lubridate"      "magick"
#>   [89] "magrittr"        "manBetaCIWald"  "memoise"        "mi"
#>   [93] "mice"            "microbenchmark" "mime"           "miniUI"
#>   [97] "minqa"           "mnormt"         "modelr"         "munsell"
#>  [101] "nloptr"          "numDeriv"       "openssl"        "parsedate"
#>  [105] "pbivnorm"        "pdftools"       "pillar"         "pkgbuild"
#>  [109] "pkgconfig"       "pkgdown"        "pkgload"        "praise"
#>  [113] "prettyunits"     "processx"       "profvis"        "progress"
#>  [117] "promises"        "ps"             "psych"          "purrr"
#>  [121] "qpdf"            "quadprog"       "R.cache"        "R.methodsS3"
#>  [125] "R.oo"            "R.utils"        "R6"             "ragg"
#>  [129] "rappdirs"        "rcmdcheck"      "RColorBrewer"   "Rcpp"
#>  [133] "RcppArmadillo"   "RcppEigen"      "readr"          "readxl"
#>  [137] "rematch"         "rematch2"       "remotes"        "reprex"
#>  [141] "rex"             "rhub"           "rlang"          "rmarkdown"
#>  [145] "roxygen2"        "rProject"       "rprojroot"      "rsem"
#>  [149] "rstudioapi"      "rversions"      "rvest"          "sass"
#>  [153] "scales"          "selectr"        "sem"            "semmcci"
#>  [157] "sessioninfo"     "shiny"          "snow"           "snowfall"
#>  [161] "sourcetools"     "stringi"        "stringr"        "styler"
#>  [165] "sys"             "systemfonts"    "testthat"       "textshaping"
#>  [169] "tibble"          "tidyr"          "tidyselect"     "tidyverse"
```

```
#> [173] "timechange"    "tinytex"        "tzdb"          "urlchecker"
#> [177] "usethis"       "utf8"           "uuid"          "V8"
#> [181] "vctrs"         "viridisLite"    "vroom"         "waldo"
#> [185] "whisker"       "whoami"         "withr"         "xfun"
#> [189] "xml2"          "xmlparsedata"   "xopen"         "xtable"
#> [193] "yaml"          "zip"            "base"          "boot"
#> [197] "class"         "cluster"        "codetools"     "compiler"
#> [201] "datasets"      "foreign"        "graphics"      "grDevices"
#> [205] "grid"          "KernSmooth"     "lattice"       "MASS"
#> [209] "Matrix"        "methods"        "mgcv"          "nlme"
#> [213] "nnet"          "parallel"       "rpart"         "spatial"
#> [217] "splines"       "stats"          "stats4"        "survival"
#> [221] "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/