

# Session Info

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## Session

```
sessionInfo()
```

```
#> R version 4.4.0 (2024-04-24)
#> Platform: x86_64-pc-linux-gnu
#> Running under: Ubuntu 22.04.4 LTS
#>
#> Matrix products: default
#> BLAS: /usr/lib/x86_64-linux-gnu/openblas-pthread/libblas.so.3
#> LAPACK: /usr/lib/x86_64-linux-gnu/openblas-pthread/libopenblas-p-r0.3.20.so; LAPACK version 3.10.3
#>
#> locale:
#>  [1] LC_CTYPE=en_US.UTF-8      LC_NUMERIC=C
#>  [3] LC_TIME=en_US.UTF-8      LC_COLLATE=en_US.UTF-8
#>  [5] LC_MONETARY=en_US.UTF-8  LC_MESSAGES=en_US.UTF-8
#>  [7] LC_PAPER=en_US.UTF-8     LC_NAME=C
#>  [9] LC_ADDRESS=C             LC_TELEPHONE=C
#> [11] LC_MEASUREMENT=en_US.UTF-8 LC_IDENTIFICATION=C
#>
#> time zone: Etc/UTC
#> tzcode source: system (glibc)
#>
#> attached base packages:
#> [1] stats      graphics  grDevices  utils      datasets  methods   base
#>
#> other attached packages:
#> [1] rProject_0.0.10
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.4.1  R6_2.5.1         lubridate_1.9.3  xfun_0.43
#>  [5] magrittr_2.0.3   glue_1.7.0       stringr_1.5.1    knitr_1.46
#>  [9] timechange_0.3.0 generics_0.1.3    lifecycle_1.0.4  xml2_1.3.6
#> [13] cli_3.6.2.9000   bibtex_0.5.1     compiler_4.4.0   highr_0.10
#> [17] rprojroot_2.0.4  plyr_1.8.9       httr_1.4.7       rstudioapi_0.16.0
#> [21] tools_4.4.0      evaluate_0.23     Rcpp_1.0.12      RefManageR_1.4.0
```

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#> [25] rlang_1.1.3      jsonlite_1.8.8    stringi_1.8.3
```

## Packages

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

```
#> [1] "Amelia"      "betaDelta"    "betaMC"       "betaNB"
#> [5] "betaSandwich" "cli"          "rProject"     "simStateSpace"
#> [9] "abind"        "arrow"        "ash"          "AsioHeaders"
#> [13] "askpass"      "assertthat"   "backports"    "base64enc"
#> [17] "betaDelta"    "betaMC"       "betaNB"       "betaSandwich"
#> [21] "BH"           "bibtex"       "BiocManager"  "bit"
#> [25] "bit64"        "bitops"       "blob"         "brew"
#> [29] "brio"         "broom"        "bslib"        "cachem"
#> [33] "callr"        "car"          "caracas"      "carData"
#> [37] "cellranger"   "cfr"          "checkmate"    "cli"
#> [41] "clipr"        "clock"        "cOde"         "collections"
#> [45] "colorspace"   "commonmark"   "conflicted"   "corpcor"
#> [49] "covr"         "cpp11"        "crayon"       "credentials"
#> [53] "crosstalk"    "cTMed"        "ctsem"        "curl"
#> [57] "cyclocomp"    "data.table"   "DBI"          "dbplyr"
#> [61] "Deriv"        "desc"         "deSolve"      "devtools"
#> [65] "diagram"      "dials"        "DiceDesign"   "diffobj"
#> [69] "digest"       "distributional" "distrib"      "doBy"
#> [73] "docopt"       "doFuture"     "downlit"      "dplyr"
#> [77] "DT"           "dtplyr"       "duckdb"       "dynr"
#> [81] "dynUtils"     "ellipse"      "ellipsoids"   "evaluate"
#> [85] "expm"         "fans"        "farver"       "fastmap"
#> [89] "fclust"       "fda"          "fdrtool"      "fds"
#> [93] "FNN"          "fontawesome"  "forcats"      "foreach"
#> [97] "Formula"      "fs"           "fst"          "fstcore"
#> [101] "furry"        "future"       "future.apply" "gargle"
#> [105] "generics"     "gert"         "ggplot2"      "ggrepel"
#> [109] "gh"           "gitcreds"     "glasso"       "glmnet"
#> [113] "globals"      "glue"         "googledrive"  "googlesheets4"
#> [117] "gower"        "GPfit"        "gridExtra"    "gtable"
#> [121] "gtools"       "hardhat"      "haven"        "hdcrcde"
#> [125] "here"         "highr"        "Hmisc"        "hms"
#> [129] "htmlTable"    "htmltools"    "htmlwidgets"  "httpgd"
#> [133] "httpuv"       "httr"         "httr2"        "ids"
#> [137] "ifftools"     "igraph"       "infer"        "ini"
#> [141] "inline"       "ipred"        "isoband"      "iterators"
#> [145] "jomo"         "jpeg"         "jquerylib"    "jsonlite"
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#> [149] "jsonvalidate" "kernlab" "knitr" "ks"
#> [153] "labeling" "Lahman" "languageserver" "later"
#> [157] "latex2exp" "lava" "lavaan" "lazyeval"
#> [161] "lhs" "lifecycle" "lintr" "listenv"
#> [165] "littler" "lme4" "locfit" "longMI"
#> [169] "loo" "lubridate" "magick" "magrittr"
#> [173] "markdown" "MatrixModels" "matrixStats" "mclust"
#> [177] "memoise" "metaSEM" "mice" "microbenchmark"
#> [181] "mime" "miniUI" "minqa" "mitml"
#> [185] "mize" "mnormt" "modeldata" "modelenv"
#> [189] "modelr" "multicool" "munsell" "mvtnorm"
#> [193] "nloptr" "numDeriv" "nycflights13" "OpenMx"
#> [197] "openssl" "ordinal" "pan" "parallelly"
#> [201] "parsnip" "patchwork" "pbapply" "pbivnorm"
#> [205] "pbkrtest" "pcaPP" "pdftools" "pillar"
#> [209] "pkgbuild" "pkgconfig" "pkgdown" "pkgload"
#> [213] "plogr" "plyr" "png" "posterior"
#> [217] "pracma" "praise" "prettyunits" "printr"
#> [221] "processx" "prodlim" "profvis" "progress"
#> [225] "progressr" "promises" "ps" "psych"
#> [229] "purrr" "qgraph" "qpdf" "quadprog"
#> [233] "quantreg" "quarto" "QuickJSR" "R.cache"
#> [237] "R.methodsS3" "R.oo" "R.utils" "R6"
#> [241] "ragg" "rainbow" "rappdirs" "rbibutils"
#> [245] "rcmdcheck" "RColorBrewer" "Rcpp" "RcppArmadillo"
#> [249] "RcppEigen" "RcppGSL" "RcppParallel" "RcppTOML"
#> [253] "RCurl" "Rdpack" "readr" "readxl"
#> [257] "recipes" "RefManager" "rematch" "rematch2"
#> [261] "remotes" "reprex" "reshape2" "reticulate"
#> [265] "rex" "rhub" "rlang" "RMariaDB"
#> [269] "rmarkdown" "roxygen2" "rpf" "RPostgres"
#> [273] "rProject" "rprojroot" "rsample" "RSQLite"
#> [277] "rstan" "rstantools" "rstudioapi" "rversions"
#> [281] "rvest" "Ryacas" "sass" "scales"
#> [285] "selectr" "semlbci" "semmcci" "sessioninfo"
#> [289] "shape" "shiny" "simStateSpace" "slider"
#> [293] "snow" "snowfall" "sourcetools" "SparseM"
#> [297] "SQUAREM" "StanHeaders" "stringi" "stringr"
#> [301] "styler" "symSEM" "sys" "systemfonts"
#> [305] "tensorA" "testthat" "textshaping" "tibble"
#> [309] "tidymodels" "tidyr" "tidyselect" "tidyverse"
#> [313] "timechange" "timeDate" "tinytex" "tune"
#> [317] "tzdb" "ucminf" "unigd" "urlchecker"
#> [321] "usethis" "utf8" "uuid" "V8"
#> [325] "vctrs" "viridis" "viridisLite" "vroom"

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#> [329] "waldo"          "warp"           "whisker"        "whoami"
#> [333] "withr"          "workflows"      "workflowsets"   "xfun"
#> [337] "xml2"           "xmlparsedata"   "xopen"          "xtable"
#> [341] "yaml"           "yardstick"      "zip"            "base"
#> [345] "boot"           "class"          "cluster"        "codetools"
#> [349] "compiler"       "datasets"       "foreign"        "graphics"
#> [353] "grDevices"      "grid"           "KernSmooth"     "lattice"
#> [357] "MASS"           "Matrix"         "methods"        "mgcv"
#> [361] "nlme"           "nnet"           "parallel"       "rpart"
#> [365] "spatial"        "splines"        "stats"          "stats4"
#> [369] "survival"       "tcltk"          "tools"          "utils"

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## 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/>