Session Info

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Session

```r
sessionInfo()
```

```
#> R version 4.3.3 (2024-02-29)
#> Platform: x86_64-pc-linux-gnu (64-bit)
#> 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/libopenblasp-r0.3.20.so;  LAPACK version 3.10.
#>
#> 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_0.0.9
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.4.1  R6_2.5.1          lubridate_1.9.3  xfun_0.42
#>  [5] magrittr_2.0.3   glue_1.7.0        stringr_1.5.1    knitr_1.45
#>  [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_4.3.3   highr_0.10
#> [17] rprojroot_2.0.4  plyr_1.8.9       httr_1.4.7       tools_4.3.3
#> [21] evaluate_0.23    Rcpp_1.0.12      RefManageR_1.4.0 rlang_1.1.3
```

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

Packages

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

```
#>   [1] "dynUtils"        "abind"           "arrow"           "ash"
#>   [5] "AsioHeaders"     "askpass"         "assertthat"      "backports"
#>   [9] "base64enc"       "betaDelta"       "betaMC"          "betaNB"
#>  [13] "betaSandwich"    "BH"              "bibtex"          "BiocManager"
#>  [17] "bit"             "bit64"           "bitops"          "blob"
#>  [21] "brew"            "brio"            "broom"           "bslib"
#>  [25] "cachem"          "callr"           "car"             "caracas"
#>  [29] "carData"         "cellranger"      "cffr"            "checkmate"
#>  [33] "cli"             "clipr"           "clock"           "cOde"
#>  [37] "collections"     "colorspace"      "commonmark"      "conflicted"
#>  [41] "corpcor"         "covr"            "cpp11"           "crayon"
#>  [45] "credentials"     "crosstalk"       "cTMed"           "ctsem"
#>  [49] "curl"            "cyclocomp"       "data.table"      "DBI"
#>  [53] "dbplyr"          "Deriv"           "desc"            "deSolve"
#>  [57] "devtools"        "diagram"         "dials"           "DiceDesign"
#>  [61] "diffobj"         "digest"          "distributional"  "distro"
#>  [65] "doBy"            "docopt"          "downlit"         "dplyr"
#>  [69] "DT"              "dtplyr"          "duckdb"          "dynr"
#>  [73] "dynUtils"        "ellipse"         "ellipsis"        "evaluate"
#>  [77] "expm"            "fansi"           "farver"          "fastmap"
#>  [81] "fclust"          "fda"             "fdrtool"         "fds"
#>  [85] "fitOU"           "FNN"             "fontawesome"     "forcats"
#>  [89] "foreach"         "Formula"         "fs"              "fst"
#>  [93] "fstcore"         "furrr"           "future"          "future.apply"
#>  [97] "gargle"          "generics"        "gert"            "ggplot2"
#> [101] "ggrepel"         "gh"              "gitcreds"        "glasso"
#> [105] "glmnet"          "globals"         "glue"            "googledrive"
#> [109] "googlesheets4"   "gower"           "GPfit"           "gridExtra"
#> [113] "gtable"          "gtools"          "hardhat"         "haven"
#> [117] "hdrcde"          "here"            "highr"           "Hmisc"
#> [121] "hms"             "htmlTable"       "htmltools"       "htmlwidgets"
#> [125] "httpgd"          "httpuv"          "httr"            "httr2"
#> [129] "ids"             "ifaTools"        "igraph"          "infer"
#> [133] "ini"             "inline"          "ipred"           "isoband"
#> [137] "iterators"       "jomo"            "jpeg"            "jquerylib"
#> [141] "jsonlite"        "jsonvalidate"    "kernlab"         "knitr"
#> [145] "ks"              "labeling"        "Lahman"          "languageserver"
```

```
#> [149] "later"          "latex2exp"      "lava"           "lavaan"
#> [153] "lazyeval"        "lhs"            "lifecycle"      "lintr"
#> [157] "listenv"         "littler"        "lme4"           "locfit"
#> [161] "longMI"          "loo"            "lubridate"      "magick"
#> [165] "magrittr"        "markdown"       "MatrixModels"   "matrixStats"
#> [169] "mclust"          "memoise"        "metaSEM"        "mice"
#> [173] "microbenchmark"  "mime"           "miniUI"         "minqa"
#> [177] "mitml"           "mize"           "mnormt"         "modeldata"
#> [181] "modelenv"        "modelr"         "multicool"      "munsell"
#> [185] "mvtnorm"         "nloptr"         "numDeriv"       "nycflights13"
#> [189] "OpenMx"          "openssl"        "ordinal"        "pan"
#> [193] "parallelly"      "parsedate"      "parsnip"        "patchwork"
#> [197] "pbapply"         "pbivnorm"       "pbkrtest"       "pcaPP"
#> [201] "pdftools"        "pillar"         "pkgbuild"       "pkgconfig"
#> [205] "pkgdown"         "pkgload"        "plogr"          "plyr"
#> [209] "png"             "posterior"      "pracma"         "praise"
#> [213] "prettyunits"     "printr"         "processx"       "prodlim"
#> [217] "profvis"         "progress"       "progressr"      "promises"
#> [221] "ps"              "psych"          "purrr"          "qgraph"
#> [225] "qpdf"            "quadprog"       "quantreg"       "quarto"
#> [229] "QuickJSR"        "R.cache"        "R.methodsS3"    "R.oo"
#> [233] "R.utils"         "R6"             "ragg"           "rainbow"
#> [237] "rappdirs"        "rbibutils"      "rcmdcheck"      "RColorBrewer"
#> [241] "Rcpp"            "RcppArmadillo"  "RcppEigen"      "RcppGSL"
#> [245] "RcppParallel"    "RcppTOML"       "RCurl"          "Rdpack"
#> [249] "readr"           "readxl"         "recipes"        "RefManageR"
#> [253] "rematch"         "rematch2"       "remotes"        "reprex"
#> [257] "reshape2"        "reticulate"     "rex"            "rhub"
#> [261] "rlang"           "RMariaDB"       "rmarkdown"      "roxygen2"
#> [265] "rpf"             "RPostgres"      "rProject"       "rprojroot"
#> [269] "rsample"         "RSQLite"        "rstan"          "rstantools"
#> [273] "rstudioapi"      "rversions"      "rvest"          "Ryacas"
#> [277] "sass"            "scales"         "selectr"        "semlbci"
#> [281] "semmcci"         "sessioninfo"    "shape"          "shiny"
#> [285] "simStateSpace"   "slider"         "snow"           "snowfall"
#> [289] "sourcetools"     "SparseM"        "SQUAREM"        "StanHeaders"
#> [293] "stringi"         "stringr"        "styler"         "symSEM"
#> [297] "sys"             "systemfonts"    "tensorA"        "testthat"
#> [301] "textshaping"     "tibble"         "tidymodels"     "tidyr"
#> [305] "tidyselect"      "tidyverse"      "timechange"     "timeDate"
#> [309] "tinytex"         "tune"           "tzdb"           "ucminf"
#> [313] "unigd"           "urlchecker"     "usethis"        "utf8"
#> [317] "uuid"            "V8"             "vctrs"          "viridis"
#> [321] "viridisLite"     "vroom"          "waldo"          "warp"
#> [325] "whisker"         "whoami"         "withr"          "workflows"
```

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