Session Info

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Session

```r
sessionInfo()
```

```
#> R version 4.3.1 (2023-06-16)
#> Platform: x86_64-pc-linux-gnu (64-bit)
#> Running under: Ubuntu 22.04.2 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_0.0.5
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.4.1   R6_2.5.1          lubridate_1.9.2   xfun_0.40
#>  [5] magrittr_2.0.3    glue_1.6.2        stringr_1.5.0     knitr_1.43
#>  [9] timechange_0.2.0  generics_0.1.3    lifecycle_1.0.3   xml2_1.3.5
#> [13] cli_3.6.1.9000    bibtex_0.5.1      compiler_4.3.1    plyr_1.8.8
#> [17] highr_0.10        rprojroot_2.0.3   httr_1.4.7        rstudioapi_0.15.0
#> [21] tools_4.3.1       evaluate_0.21     Rcpp_1.0.11       RefManageR_1.4.0
```

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#> [25] rlang_1.1.1        jsonlite_1.8.7    stringi_1.7.12
```

Packages

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

```
#>   [1] "crosstalk"       "DT"               "rProject"        "simAutoReg"
#>   [5] "abind"           "arrow"            "ash"             "askpass"
#>   [9] "assertthat"      "backports"        "base64enc"       "betaDelta"
#>  [13] "betaMC"          "betaNB"           "betaSandwich"    "BH"
#>  [17] "bibtex"          "BiocManager"      "bit"             "bit64"
#>  [21] "bitops"          "blob"             "brew"            "brio"
#>  [25] "broom"           "bslib"            "cachem"          "callr"
#>  [29] "car"             "carData"          "cellranger"      "cffr"
#>  [33] "checkmate"       "cli"              "clipr"           "clock"
#>  [37] "collections"     "colorspace"       "commonmark"      "conflicted"
#>  [41] "corpcor"         "covr"             "cpp11"           "crayon"
#>  [45] "credentials"     "curl"             "cyclocomp"       "data.table"
#>  [49] "DBI"             "dbplyr"           "desc"            "deSolve"
#>  [53] "devtools"        "diagram"          "dials"           "DiceDesign"
#>  [57] "diffobj"         "digest"           "distro"          "docopt"
#>  [61] "downlit"         "dplyr"            "dtplyr"          "duckdb"
#>  [65] "dynr"            "ellipsis"         "evaluate"        "fansi"
#>  [69] "farver"          "fastmap"          "fclust"          "fda"
#>  [73] "fdrtool"         "fds"              "FNN"             "fontawesome"
#>  [77] "forcats"         "foreach"          "Formula"         "fs"
#>  [81] "fst"             "fstcore"          "furrr"           "future"
#>  [85] "future.apply"    "gargle"           "generics"        "gert"
#>  [89] "ggplot2"         "gh"               "gitcreds"        "glasso"
#>  [93] "glmnet"          "globals"          "glue"            "googledrive"
#>  [97] "googlesheets4"   "gower"            "GPfit"           "gridExtra"
#> [101] "gtable"          "gtools"           "hardhat"         "haven"
#> [105] "hdrcde"          "highr"            "Hmisc"           "hms"
#> [109] "htmlTable"       "htmltools"        "htmlwidgets"     "httpgd"
#> [113] "httpuv"          "httr"             "httr2"           "ids"
#> [117] "ifaTools"        "igraph"           "infer"           "ini"
#> [121] "ipred"           "isoband"          "iterators"       "jomo"
#> [125] "jpeg"            "jquerylib"        "jsonlite"        "jsonvalidate"
#> [129] "kernlab"         "knitr"            "ks"              "labeling"
#> [133] "Lahman"          "languageserver"   "later"           "latex2exp"
#> [137] "lava"            "lavaan"           "lazyeval"        "lhs"
#> [141] "lifecycle"       "lintr"            "listenv"         "littler"
#> [145] "lme4"            "locfit"           "lubridate"       "magick"
```

```
#> [149] "magrittr"        "markdown"        "Matrix"          "MatrixModels"
#> [153] "mclust"          "memoise"         "mice"            "microbenchmark"
#> [157] "mime"            "miniUI"          "minqa"           "misc3d"
#> [161] "mitml"           "mnormt"          "modeldata"       "modelenv"
#> [165] "modelr"          "multicool"       "munsell"         "mvtnorm"
#> [169] "nloptr"          "numDeriv"        "nycflights13"    "OpenMx"
#> [173] "openssl"         "ordinal"         "packrat"         "pan"
#> [177] "parallelly"      "parsedate"       "parsnip"         "patchwork"
#> [181] "pbapply"         "pbivnorm"        "pbkrtest"        "pcaPP"
#> [185] "pdftools"        "pillar"          "pkgbuild"        "pkgconfig"
#> [189] "pkgdown"         "pkgload"         "plogr"           "plot3D"
#> [193] "plyr"            "png"             "pracma"          "praise"
#> [197] "prettyunits"     "printr"          "processx"        "prodlim"
#> [201] "profvis"         "progress"        "progressr"       "promises"
#> [205] "ps"              "psych"           "purrr"           "qgraph"
#> [209] "qpdf"            "quadprog"        "quantreg"        "quarto"
#> [213] "R.cache"         "R.methodsS3"     "R.oo"            "R.utils"
#> [217] "R6"              "ragg"            "rainbow"         "rappdirs"
#> [221] "rbibutils"       "rcmdcheck"       "RColorBrewer"    "Rcpp"
#> [225] "RcppArmadillo"   "RcppEigen"       "RcppGSL"         "RcppParallel"
#> [229] "RCurl"           "Rdpack"          "readr"           "readxl"
#> [233] "recipes"         "RefManageR"      "rematch"         "rematch2"
#> [237] "remotes"         "renv"            "reprex"          "reshape2"
#> [241] "rex"             "rhub"            "rlang"           "RMariaDB"
#> [245] "rmarkdown"       "roxygen2"        "rpf"             "RPostgres"
#> [249] "rProject"        "rprojroot"       "rsample"         "rsconnect"
#> [253] "RSQLite"         "rstudioapi"      "rversions"       "rvest"
#> [257] "Ryacas"          "sass"            "scales"          "selectr"
#> [261] "semmcci"         "sessioninfo"     "shape"           "shiny"
#> [265] "slider"          "snow"            "snowfall"        "sourcetools"
#> [269] "SparseM"         "SQUAREM"         "StanHeaders"     "stringi"
#> [273] "stringr"         "styler"          "sys"             "systemfonts"
#> [277] "testthat"        "textshaping"     "tibble"          "tidymodels"
#> [281] "tidyr"           "tidyselect"      "tidyverse"       "timechange"
#> [285] "timeDate"        "tinytex"         "tune"            "tzdb"
#> [289] "ucminf"          "urlchecker"      "usethis"         "utf8"
#> [293] "uuid"            "V8"              "vctrs"           "viridis"
#> [297] "viridisLite"     "vroom"           "waldo"           "warp"
#> [301] "whisker"         "whoami"          "withr"           "workflows"
#> [305] "workflowsets"    "xfun"            "xml2"            "xmlparsedata"
#> [309] "xopen"           "xtable"          "yaml"            "yardstick"
#> [313] "zip"             "base"            "boot"            "class"
#> [317] "cluster"         "codetools"       "compiler"        "datasets"
#> [321] "foreign"         "graphics"        "grDevices"       "grid"
#> [325] "KernSmooth"      "lattice"         "MASS"            "Matrix"
```

```
#> [329] "methods"     "mgcv"      "nlme"       "nnet"
#> [333] "parallel"    "rpart"     "spatial"    "splines"
#> [337] "stats"       "stats4"    "survival"   "tcltk"
#> [341] "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/