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_0.0.3
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.4.1   R6_2.5.1          lubridate_1.9.2   xfun_0.39
#>  [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_1.4.6        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] "simAutoReg"     "abind"          "arrow"          "ash"
#>   [5] "askpass"        "assertthat"     "backports"      "base64enc"
#>   [9] "betaDelta"      "betaMC"         "betaNB"         "betaSandwich"
#>  [13] "BH"             "bibtex"         "BiocManager"    "bit"
#>  [17] "bit64"          "bitops"         "blob"           "brew"
#>  [21] "brio"           "broom"          "bslib"          "cachem"
#>  [25] "callr"          "car"            "carData"        "cellranger"
#>  [29] "cffr"           "checkmate"      "cli"            "clipr"
#>  [33] "clock"          "collections"    "colorspace"     "commonmark"
#>  [37] "conflicted"     "corpcor"        "covr"           "cpp11"
#>  [41] "crayon"         "credentials"    "curl"           "cyclocomp"
#>  [45] "data.table"     "DBI"            "dbplyr"         "desc"
#>  [49] "deSolve"        "devtools"       "diagram"        "dials"
#>  [53] "DiceDesign"     "diffobj"        "digest"         "distro"
#>  [57] "docopt"         "downlit"        "dplyr"          "dtplyr"
#>  [61] "duckdb"         "dynr"           "ellipsis"       "evaluate"
#>  [65] "fansi"          "farver"         "fastmap"        "fclust"
#>  [69] "fda"            "fdrtool"        "fds"            "FNN"
#>  [73] "fontawesome"    "forcats"        "foreach"        "Formula"
#>  [77] "fs"             "fst"            "fstcore"        "furrr"
#>  [81] "future"         "future.apply"   "gargle"         "generics"
#>  [85] "gert"           "ggplot2"        "gh"             "gitcreds"
#>  [89] "glasso"         "glmnet"         "globals"        "glue"
#>  [93] "googledrive"    "googlesheets4"  "gower"          "GPfit"
#>  [97] "gridExtra"      "gtable"         "gtools"         "hardhat"
#> [101] "haven"          "hdrcde"         "highr"          "Hmisc"
#> [105] "hms"            "htmlTable"      "htmltools"      "htmlwidgets"
#> [109] "httpgd"         "httpuv"         "httr"           "httr2"
#> [113] "ids"            "ifaTools"       "igraph"         "infer"
#> [117] "ini"            "ipred"          "isoband"        "iterators"
#> [121] "jomo"           "jpeg"           "jquerylib"      "jsonlite"
#> [125] "jsonvalidate"   "kernlab"        "knitr"          "ks"
#> [129] "labeling"       "Lahman"         "languageserver" "later"
#> [133] "latex2exp"      "lava"           "lavaan"         "lazyeval"
#> [137] "lhs"            "lifecycle"      "lintr"          "listenv"
#> [141] "littler"        "lme4"           "locfit"         "lubridate"
#> [145] "magick"         "magrittr"       "markdown"       "Matrix"
```

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

```
#> [329] "nnet"      "parallel"  "rpart"    "spatial"
#> [333] "splines"   "stats"     "stats4"   "survival"
#> [337] "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/