

Session Info

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Session

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sessionInfo()
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#> R version 4.3.2 (2023-10-31)
#> Platform: x86_64-pc-linux-gnu (64-bit)
#> Running under: Ubuntu 22.04.3 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_0.0.5
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.4.1  R6_2.5.1        lubridate_1.9.3  xfun_0.40
#>  [5] magrittr_2.0.3   glue_1.6.2      stringr_1.5.0    knitr_1.45
#>  [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_4.3.2   highr_0.10
#> [17] rprojroot_2.0.3  plyr_1.8.9       httr_1.4.7       tools_4.3.2
#> [21] evaluate_0.22    Rcpp_1.0.11      RefManageR_1.4.0 rlang_1.1.1
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#> [25] jsonlite_1.8.7 stringi_1.7.12
```

Packages

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

```
#> [1] "crosstalk"      "DT"             "fitOU"          "simStateSpace"
#> [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"     "cfr"
#> [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"         "distribro"      "docopt"
#> [61] "downlit"       "dplyr"          "dtplyr"         "duckdb"
#> [65] "dynr"          "ellipsis"       "evaluate"       "fans"
#> [69] "farver"        "fastmap"        "fclust"         "fda"
#> [73] "fdrtool"       "fds"            "FNN"            "fontawesome"
#> [77] "forcats"       "foreach"        "Formula"        "fs"
#> [81] "fst"           "fstcore"        "furry"          "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] "hdcrcde"       "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"
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#> [149] "magrittr"      "markdown"      "MatrixModels"  "mclust"
#> [153] "memoise"       "mice"           "microbenchmark" "mime"
#> [157] "miniUI"        "minqa"          "misc3d"         "mitml"
#> [161] "mnormt"        "modeldata"      "modelenv"        "modelr"
#> [165] "multicool"     "munsell"        "mvtnorm"         "nloptr"
#> [169] "numDeriv"      "nycflights13"  "OpenMx"          "openssl"
#> [173] "ordinal"       "packrat"        "pan"             "parallely"
#> [177] "parsedate"     "parsnip"        "patchwork"       "pbapply"
#> [181] "pbivnorm"      "pbkrtest"       "pcaPP"           "pdftools"
#> [185] "pillar"        "pkgbuild"       "pkgconfig"       "pkgdown"
#> [189] "pkgload"       "plogr"          "plot3D"          "plyr"
#> [193] "png"           "pracma"         "praise"          "prettyunits"
#> [197] "printr"        "processx"       "prodlim"         "profvis"
#> [201] "progress"      "progressr"      "promises"        "ps"
#> [205] "psych"         "purrr"          "qgraph"          "qpdf"
#> [209] "quadprog"      "quantreg"       "quarto"          "R.cache"
#> [213] "R.methodsS3"   "R.oo"           "R.utils"         "R6"
#> [217] "ragg"          "rainbow"        "rappdirs"        "rbibutils"
#> [221] "rcmdcheck"     "RColorBrewer"   "Rcpp"            "RcppArmadillo"
#> [225] "RcppEigen"     "RcppGSL"        "RcppParallel"    "RCurl"
#> [229] "Rdpack"        "readr"          "readxl"          "recipes"
#> [233] "RefManager"    "rematch"        "rematch2"        "remotes"
#> [237] "renv"          "reprex"         "reshape2"        "rex"
#> [241] "rhub"          "rlang"          "RMariaDB"        "rmarkdown"
#> [245] "roxygen2"      "rpf"            "RPostgres"       "rProject"
#> [249] "rprojroot"     "rsample"        "rsconnect"       "RSQLite"
#> [253] "rstudioapi"    "rversions"      "rvest"           "Ryacas"
#> [257] "sass"          "scales"         "selectr"         "semmccci"
#> [261] "sessioninfo"   "shape"          "shiny"           "slider"
#> [265] "snow"          "snowfall"       "sourcetools"     "SparseM"
#> [269] "SQUAREM"       "StanHeaders"    "stringi"         "stringr"
#> [273] "styler"        "sys"            "systemfonts"     "testthat"
#> [277] "textshaping"   "tibble"         "tidymodels"      "tidyr"
#> [281] "tidyselect"    "tidyverse"      "timechange"       "timeDate"
#> [285] "tinytex"       "tune"           "tzdb"            "ucminf"
#> [289] "urlchecker"    "usethis"        "utf8"            "uuid"
#> [293] "V8"            "vctrs"          "viridis"         "viridisLite"
#> [297] "vroom"         "waldo"          "warp"            "whisker"
#> [301] "whoami"        "withr"          "workflows"       "workflowsets"
#> [305] "xfun"          "xml2"           "xmlparsedata"    "xopen"
#> [309] "xtable"        "yaml"           "yardstick"       "zip"
#> [313] "base"          "boot"           "class"           "cluster"
#> [317] "codetools"     "compiler"       "datasets"        "foreign"
#> [321] "graphics"      "grDevices"      "grid"            "KernSmooth"
#> [325] "lattice"       "MASS"           "Matrix"          "methods"

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