

Session Info

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Session

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sessionInfo()
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#> R version 4.3.3 (2024-02-29)
#> 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 3.10.0
#>
#> 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

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

```
#> [1] "expm" "simStateSpace" "abind" "arrow"
#> [5] "ash" "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" "cfr" "checkmate"
#> [33] "cli" "clipr" "clock" "collections"
#> [37] "colorspace" "commonmark" "conflicted" "corpcor"
#> [41] "covr" "cpp11" "crayon" "credentials"
#> [45] "crosstalk" "cTMed" "curl" "cyclocomp"
#> [49] "data.table" "DBI" "dbplyr" "Deriv"
#> [53] "desc" "deSolve" "devtools" "diagram"
#> [57] "dials" "DiceDesign" "diffobj" "digest"
#> [61] "distrib" "doBy" "docopt" "downlit"
#> [65] "dplyr" "DT" "dtplyr" "duckdb"
#> [69] "dynr" "ellipse" "ellipsis" "evaluate"
#> [73] "fansib" "farver" "fastmap" "fclust"
#> [77] "fda" "fdrtool" "fds" "fitOU"
#> [81] "FNN" "fontawesome" "forcats" "foreach"
#> [85] "Formula" "fs" "fst" "fstcore"
#> [89] "furrr" "future" "future.apply" "gargle"
#> [93] "generics" "gert" "ggplot2" "ggrepel"
#> [97] "gh" "gitcreds" "glasso" "glmnet"
#> [101] "globals" "glue" "googledrive" "googlesheets4"
#> [105] "gower" "GPfit" "gridExtra" "gtable"
#> [109] "gtools" "hardhat" "haven" "hdcrcde"
#> [113] "here" "highr" "Hmisc" "hms"
#> [117] "htmlTable" "htmltools" "htmlwidgets" "httpuv"
#> [121] "httr" "httr2" "ids" "ifafTools"
#> [125] "igraph" "infer" "ini" "ipred"
#> [129] "isoband" "iterators" "jomo" "jpeg"
#> [133] "jquerylib" "jsonlite" "jsonvalidate" "kernlab"
#> [137] "knitr" "ks" "labeling" "Lahman"
#> [141] "languageserver" "later" "latex2exp" "lava"
#> [145] "lavaan" "lazyeval" "lhs" "lifecycle"
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#> [149] "lintr"           "listenv"         "littler"         "lme4"
#> [153] "locfit"          "longMI"           "lubridate"       "magick"
#> [157] "magrittr"        "markdown"         "MatrixModels"    "mclust"
#> [161] "memoise"         "metaSEM"          "mice"             "microbenchmark"
#> [165] "mime"            "miniUI"           "minqa"            "mitml"
#> [169] "mnormt"          "modeldata"        "modelenv"         "modelr"
#> [173] "multicool"       "munsell"          "mvtnorm"          "nloptr"
#> [177] "numDeriv"        "nycflights13"     "OpenMx"           "openssl"
#> [181] "ordinal"         "packrat"          "pan"              "parallelly"
#> [185] "parsedate"       "parsnip"          "patchwork"        "pbapply"
#> [189] "pbivnorm"        "pbkrtest"         "pcaPP"            "pdftools"
#> [193] "pillar"          "pkgbuild"         "pkgconfig"        "pkgdown"
#> [197] "pkgload"         "plogr"            "plyr"             "png"
#> [201] "pracma"          "praise"           "prettyunits"      "printr"
#> [205] "processx"        "prodlim"          "profvis"          "progress"
#> [209] "progressr"       "promises"         "ps"               "psych"
#> [213] "purrr"           "qgraph"           "qpdf"             "quadprog"
#> [217] "quantreg"        "quarto"           "R.cache"          "R.methodsS3"
#> [221] "R.oo"            "R.utils"          "R6"               "ragg"
#> [225] "rainbow"         "rappdirs"         "rbibutils"        "rcmdcheck"
#> [229] "RColorBrewer"    "Rcpp"             "RcppArmadillo"    "RcppEigen"
#> [233] "RcppGSL"         "RcppParallel"     "RcppTOML"         "RCurl"
#> [237] "Rdpack"          "readr"            "readxl"           "recipes"
#> [241] "RefManagerR"     "rematch"          "rematch2"         "remotes"
#> [245] "renv"            "reprex"           "reshape2"         "reticulate"
#> [249] "rex"             "rhub"             "rlang"            "RMariaDB"
#> [253] "rmarkdown"       "roxygen2"         "rpf"              "RPostgres"
#> [257] "rProject"        "rprojroot"        "rsample"          "rsconnect"
#> [261] "RSQLite"         "rstudioapi"       "rversions"        "rvest"
#> [265] "Ryacas"          "sass"             "scales"           "selectr"
#> [269] "semlbci"         "semmcci"          "sessioninfo"      "shape"
#> [273] "shiny"           "simStateSpace"    "slider"           "snow"
#> [277] "snowfall"        "sourcetools"      "SparseM"          "SQUAREM"
#> [281] "StanHeaders"     "stringi"          "stringr"          "styler"
#> [285] "symSEM"          "sys"              "systemfonts"      "testthat"
#> [289] "textshaping"     "tibble"           "tidymodels"       "tidyr"
#> [293] "tidyselect"      "tidyverse"        "timechange"        "timeDate"
#> [297] "tinytex"         "tune"             "tzdb"             "ucminf"
#> [301] "urlchecker"      "usethis"          "utf8"             "uuid"
#> [305] "V8"              "vctrs"            "viridis"          "viridisLite"
#> [309] "vroom"           "waldo"            "warp"             "whisker"
#> [313] "whoami"          "withr"            "workflows"        "workflowsets"
#> [317] "xfun"            "xml2"             "xmlparsedata"     "xopen"
#> [321] "xtable"          "yaml"             "yardstick"        "zip"
#> [325] "base"            "boot"             "class"            "cluster"

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```
#> [329] "codetools"      "compiler"      "datasets"      "foreign"
#> [333] "graphics"      "grDevices"     "grid"          "KernSmooth"
#> [337] "lattice"       "MASS"          "Matrix"        "methods"
#> [341] "mgcv"          "nlme"          "nnet"          "parallel"
#> [345] "rpart"         "spatial"       "splines"       "stats"
#> [349] "stats4"        "survival"      "tcltk"         "tools"
#> [353] "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/>