

Session Info

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Session

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sessionInfo()
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```
#> R version 4.4.0 (2024-04-24)
#> Platform: x86_64-pc-linux-gnu
#> 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/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_0.0.13
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.5.1         lubridate_1.9.3  xfun_0.45
#>  [5] magrittr_2.0.3   glue_1.7.0       stringr_1.5.1    knitr_1.47
#>  [9] timechange_0.3.0 generics_0.1.3    lifecycle_1.0.4  xml2_1.3.6
#> [13] cli_3.6.3.9000   bibtex_0.5.1     compiler_4.4.0   highr_0.11
#> [17] rprojroot_2.0.4  plyr_1.8.9       httr_1.4.7       tools_4.4.0
#> [21] evaluate_0.24.0  Rcpp_1.0.12      RefManageR_1.4.0 rlang_1.1.4
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#> [25] jsonlite_1.8.8 stringi_1.8.4
```

Packages

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

```
#> [1] "cli"           "crayon"         "digest"         "downlit"
#> [5] "evaluate"      "rlang"          "rProject"       "simStateSpace"
#> [9] "tinytex"      "xfun"          "abind"          "arrow"
#> [13] "ash"          "AsioHeaders"   "askpass"        "assertthat"
#> [17] "backports"    "base64enc"     "betaDelta"     "betaMC"
#> [21] "betaNB"       "betaSandwich" "BH"             "bibtex"
#> [25] "BiocManager"  "bit"           "bit64"          "bitops"
#> [29] "blob"         "brew"          "brio"           "broom"
#> [33] "bslib"        "cachem"        "callr"          "car"
#> [37] "caracas"      "carData"       "cellranger"     "cfrfr"
#> [41] "checkmate"    "cli"           "clipr"          "clock"
#> [45] "coda"         "cOde"          "collections"    "colorspace"
#> [49] "commonmark"   "conflicted"    "corpcor"        "covr"
#> [53] "cowplot"      "cpp11"         "crayon"         "credentials"
#> [57] "crosstalk"    "cTMed"         "ctsem"          "curl"
#> [61] "cyclocomp"    "data.table"    "DBI"            "dbplyr"
#> [65] "Deriv"        "desc"          "deSolve"        "devtools"
#> [69] "diagram"      "dials"         "DiceDesign"     "diffobj"
#> [73] "digest"       "distributional" "distro"         "doBy"
#> [77] "docopt"       "doFuture"      "downlit"        "dplyr"
#> [81] "DT"           "dtplyr"        "duckdb"         "dynr"
#> [85] "dynUtils"     "ellipse"       "ellipsis"       "evaluate"
#> [89] "expm"         "fans"         "farver"         "fastDummies"
#> [93] "fastmap"      "fclust"        "fda"            "fdrtool"
#> [97] "fds"          "FNN"           "fontawesome"    "forcats"
#> [101] "foreach"     "Formula"       "fs"             "fst"
#> [105] "fstcore"     "furrr"         "future"         "future.apply"
#> [109] "gargle"      "generics"      "gert"           "ggplot2"
#> [113] "ggrepel"     "gh"           "gitcreds"       "glasso"
#> [117] "glmnet"      "globals"       "glue"           "googledrive"
#> [121] "googlesheets4" "gower"        "GPfit"          "gridExtra"
#> [125] "gsubfn"      "gtable"        "gtools"         "hardhat"
#> [129] "haven"       "hdcrcde"       "here"           "highr"
#> [133] "Hmisc"       "hms"          "htmlTable"      "htmltools"
#> [137] "htmlwidgets" "httpgd"        "httpuv"         "httr"
#> [141] "httr2"       "ids"          "ifftools"       "igraph"
#> [145] "infer"       "ini"          "inline"         "ipred"
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#> [149] "isoband"          "iterators"        "jomo"              "jpeg"
#> [153] "jquerylib"        "jsonlite"          "jsonvalidate"      "kernlab"
#> [157] "knitr"             "ks"                "labeling"          "Lahman"
#> [161] "languageserver"   "later"             "latex2exp"         "lava"
#> [165] "lavaan"           "lazyeval"          "lhs"               "lifecycle"
#> [169] "lintr"            "listenv"           "littler"           "lme4"
#> [173] "locfit"           "longMI"            "loo"               "lubridate"
#> [177] "magick"           "magrittr"          "markdown"          "MatrixModels"
#> [181] "matrixStats"      "mclust"            "memoise"           "metaSEM"
#> [185] "mice"             "microbenchmark"    "mime"              "miniUI"
#> [189] "minqa"            "mitml"             "mize"              "mnormt"
#> [193] "modeldata"        "modelenv"          "modelr"            "MplusAutomation"
#> [197] "multicool"        "munsell"           "mvtnorm"           "nloptr"
#> [201] "numDeriv"         "nycflights13"      "OpenMx"            "openssl"
#> [205] "ordinal"          "pan"               "pander"            "parallelly"
#> [209] "parsnip"          "patchwork"         "pbapply"           "pbivnorm"
#> [213] "pbkrtest"         "pcaPP"             "pdftools"          "pillar"
#> [217] "pkgbuild"         "pkgconfig"         "pkgdown"           "pkgload"
#> [221] "plogr"            "plyr"              "png"               "posterior"
#> [225] "pracma"           "praise"            "prettyunits"       "printr"
#> [229] "processx"         "prodlim"           "profvis"           "progress"
#> [233] "progressr"        "promises"          "proto"             "ps"
#> [237] "psych"           "purrr"             "qgraph"            "qpdf"
#> [241] "quadprog"         "quantreg"          "quarto"            "QuickJSR"
#> [245] "R.cache"          "R.methodsS3"       "R.oo"              "R.utils"
#> [249] "R6"               "ragg"              "rainbow"           "rappdirs"
#> [253] "rbibutils"        "rcmdcheck"         "RColorBrewer"      "Rcpp"
#> [257] "RcppArmadillo"    "RcppEigen"         "RcppGSL"           "RcppParallel"
#> [261] "RcppTOML"         "RCurl"             "Rdpack"            "readr"
#> [265] "readxl"           "recipes"           "RefManageR"        "rematch"
#> [269] "rematch2"         "remotes"           "reprex"            "reshape2"
#> [273] "reticulate"       "rex"               "rhub"              "rlang"
#> [277] "RMariaDB"         "rmarkdown"         "roxygen2"          "rpf"
#> [281] "RPostgres"        "rProject"          "rprojroot"         "rsample"
#> [285] "RSQLite"          "rstan"             "rstantools"        "rstudioapi"
#> [289] "rversions"        "rvest"             "Ryacas"            "sass"
#> [293] "scales"           "selectr"           "semlbci"           "semmcci"
#> [297] "sessioninfo"      "shape"             "shiny"             "simStateSpace"
#> [301] "slider"           "snow"              "snowfall"          "sourcetools"
#> [305] "SparseM"          "SQUAREM"           "StanHeaders"       "statmod"
#> [309] "stringi"          "stringr"           "styler"            "symSEM"
#> [313] "sys"             "systemfonts"       "tensorA"           "testthat"
#> [317] "texreg"           "textshaping"       "tibble"            "tidymodels"
#> [321] "tidyr"            "tidyselect"        "tidyverse"         "timechange"
#> [325] "timeDate"         "tinytex"           "tune"              "tzdb"

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#> [329] "ucminf"      "unigd"      "urlchecker" "usethis"
#> [333] "utf8"        "uuid"       "V8"         "vctrs"
#> [337] "viridis"     "viridisLite" "vroom"      "waldo"
#> [341] "warp"        "whisker"    "whoami"     "withr"
#> [345] "workflows"   "workflowsets" "xfun"       "xml2"
#> [349] "xmlparsedata" "xopen"      "xtable"     "yaml"
#> [353] "yardstick"   "zip"        "base"       "boot"
#> [357] "class"       "cluster"    "codetools"  "compiler"
#> [361] "datasets"    "foreign"    "graphics"   "grDevices"
#> [365] "grid"        "KernSmooth" "lattice"    "MASS"
#> [369] "Matrix"      "methods"    "mgcv"       "nlme"
#> [373] "nnet"        "parallel"   "rpart"      "spatial"
#> [377] "splines"     "stats"      "stats4"     "survival"
#> [381] "tcltk"      "tools"      "utils"

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References

R Core Team. (2024). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing, Vienna, Austria. <https://www.R-project.org/>