Session Info

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Session

```r
sessionInfo()

#> 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/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_0.0.13
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.4.1   R6_2.5.1          lubridate_1.9.3   xfun_0.43
#>  [5] magrittr_2.0.3    glue_1.7.0        stringr_1.5.1     knitr_1.46
#>  [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_4.4.0    highr_0.10
#> [17] rprojroot_2.0.4   plyr_1.8.9        httr_1.4.7        rstudioapi_0.16.0
#> [21] tools_4.4.0       evaluate_0.23     Rcpp_1.0.12       RefManageR_1.4.0
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#> [25] rlang_1.1.3        jsonlite_1.8.8    stringi_1.8.4
```

Packages

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

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

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#> [149] "knitr"           "ks"              "labeling"        "Lahman"
#> [153] "languageserver"  "later"           "latex2exp"       "lava"
#> [157] "lavaan"          "lazyeval"        "lhs"             "lifecycle"
#> [161] "lintr"           "listenv"         "littler"         "lme4"
#> [165] "locfit"          "longMI"          "loo"             "lubridate"
#> [169] "magick"          "magrittr"        "markdown"        "MatrixModels"
#> [173] "matrixStats"     "mclust"          "memoise"         "metaSEM"
#> [177] "mice"            "microbenchmark"  "mime"            "miniUI"
#> [181] "minqa"           "mitml"           "mize"            "mnormt"
#> [185] "modeldata"       "modelenv"        "modelr"          "multicool"
#> [189] "munsell"         "mvtnorm"         "nloptr"          "numDeriv"
#> [193] "nycflights13"    "OpenMx"          "openssl"         "ordinal"
#> [197] "pan"             "parallelly"      "parsnip"         "patchwork"
#> [201] "pbapply"         "pbivnorm"        "pbkrtest"        "pcaPP"
#> [205] "pdftools"        "pillar"          "pkgbuild"        "pkgconfig"
#> [209] "pkgdown"         "pkgload"         "plogr"           "plyr"
#> [213] "png"             "posterior"       "pracma"          "praise"
#> [217] "prettyunits"     "printr"          "processx"        "prodlim"
#> [221] "profvis"         "progress"        "progressr"       "promises"
#> [225] "ps"              "psych"           "purrr"           "qgraph"
#> [229] "qpdf"            "quadprog"        "quantreg"        "quarto"
#> [233] "QuickJSR"        "R.cache"         "R.methodsS3"     "R.oo"
#> [237] "R.utils"         "R6"              "ragg"            "rainbow"
#> [241] "rappdirs"        "rbibutils"       "rcmdcheck"       "RColorBrewer"
#> [245] "Rcpp"            "RcppArmadillo"   "RcppEigen"       "RcppGSL"
#> [249] "RcppParallel"    "RcppTOML"        "RCurl"           "Rdpack"
#> [253] "readr"           "readxl"          "recipes"         "RefManageR"
#> [257] "rematch"         "rematch2"        "remotes"         "reprex"
#> [261] "reshape2"        "reticulate"      "rex"             "rhub"
#> [265] "rlang"           "RMariaDB"        "rmarkdown"       "roxygen2"
#> [269] "rpf"             "RPostgres"       "rProject"        "rprojroot"
#> [273] "rsample"         "RSQLite"         "rstan"           "rstantools"
#> [277] "rstudioapi"      "rversions"       "rvest"           "Ryacas"
#> [281] "sass"            "scales"          "selectr"         "semlbci"
#> [285] "semmcci"         "sessioninfo"     "shape"           "shiny"
#> [289] "simStateSpace"   "slider"          "snow"            "snowfall"
#> [293] "sourcetools"     "SparseM"         "SQUAREM"         "StanHeaders"
#> [297] "stringi"         "stringr"         "styler"          "symSEM"
#> [301] "sys"             "systemfonts"     "tensorA"         "testthat"
#> [305] "textshaping"     "tibble"          "tidymodels"      "tidyr"
#> [309] "tidyselect"      "tidyverse"       "timechange"      "timeDate"
#> [313] "tinytex"         "tune"            "tzdb"            "ucminf"
#> [317] "unigd"           "urlchecker"      "usethis"         "utf8"
#> [321] "uuid"            "V8"              "vctrs"           "viridis"
#> [325] "viridisLite"     "vroom"           "waldo"           "warp"
```

```
#> [329] "whisker"        "whoami"        "withr"         "workflows"
#> [333] "workflowsets"   "xfun"          "xml2"          "xmlparsedata"
#> [337] "xopen"          "xtable"        "yaml"          "yardstick"
#> [341] "zip"            "base"          "boot"          "class"
#> [345] "cluster"        "codetools"     "compiler"      "datasets"
#> [349] "foreign"        "graphics"      "grDevices"     "grid"
#> [353] "KernSmooth"     "lattice"       "MASS"          "Matrix"
#> [357] "methods"        "mgcv"          "nlme"          "nnet"
#> [361] "parallel"       "rpart"         "spatial"       "splines"
#> [365] "stats"          "stats4"        "survival"      "tcltk"
#> [369] "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/