Session Info

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Session

```r
sessionInfo()
```

```
#> R version 4.4.1 (2024-06-14)
#> 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_0.0.14
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.5.1          lubridate_1.9.3  xfun_0.46
#>  [5] magrittr_2.0.3   glue_1.7.0        stringr_1.5.1    knitr_1.48
#>  [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_4.4.1   highr_0.11
#> [17] rprojroot_2.0.4  plyr_1.8.9       httr_1.4.7       tools_4.4.1
#> [21] evaluate_0.24.0  Rcpp_1.0.13      RefManageR_1.4.0 rlang_1.1.4
```

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#> [25] jsonlite_1.8.8   stringi_1.8.4
```

Packages

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

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

```
#> [149] "httr"              "httr2"             "ids"               "ifaTools"
#> [153] "igraph"            "infer"             "ini"               "inline"
#> [157] "ipred"             "isoband"           "iterators"         "jomo"
#> [161] "jpeg"              "jquerylib"         "jsonlite"          "jsonvalidate"
#> [165] "kernlab"           "knitr"             "ks"                "labeling"
#> [169] "Lahman"            "languageserver"    "later"             "latex2exp"
#> [173] "lava"              "lavaan"            "lazyeval"          "lhs"
#> [177] "lifecycle"         "lintr"             "listenv"           "littler"
#> [181] "lme4"              "locfit"            "longMI"            "loo"
#> [185] "lubridate"         "magick"            "magrittr"          "markdown"
#> [189] "MatrixModels"      "matrixStats"       "mclust"            "memoise"
#> [193] "metaSEM"           "metaVAR"           "mice"              "microbenchmark"
#> [197] "mime"              "miniUI"            "minqa"             "mitml"
#> [201] "mize"              "mnormt"            "modeldata"         "modelenv"
#> [205] "modelr"            "MplusAutomation"   "multicool"         "munsell"
#> [209] "mvtnorm"           "nloptr"            "numDeriv"          "nycflights13"
#> [213] "OpenMx"            "openssl"           "ordinal"           "pan"
#> [217] "pander"            "parallelly"        "parsnip"           "patchwork"
#> [221] "pbapply"           "pbivnorm"          "pbkrtest"          "pcaPP"
#> [225] "pdftools"          "pillar"            "pkgbuild"          "pkgconfig"
#> [229] "pkgdown"           "pkgload"           "plogr"             "plyr"
#> [233] "png"               "posterior"         "pracma"            "praise"
#> [237] "prettyunits"       "printr"            "processx"          "prodlim"
#> [241] "profvis"           "progress"          "progressr"         "promises"
#> [245] "proto"             "ps"                "psych"             "purrr"
#> [249] "qgraph"            "qpdf"              "quadprog"          "quantreg"
#> [253] "quarto"            "QuickJSR"          "R.cache"           "R.methodsS3"
#> [257] "R.oo"              "R.utils"           "R6"                "ragg"
#> [261] "rainbow"           "rappdirs"          "rbibutils"         "rcmdcheck"
#> [265] "RColorBrewer"      "Rcpp"              "RcppArmadillo"     "RcppEigen"
#> [269] "RcppGSL"           "RcppParallel"      "RcppTOML"          "RCurl"
#> [273] "Rdpack"            "readr"             "readxl"            "recipes"
#> [277] "RefManageR"        "rematch"           "rematch2"          "remotes"
#> [281] "reprex"            "reshape2"          "reticulate"        "rex"
#> [285] "rhub"              "rlang"             "RMariaDB"          "rmarkdown"
#> [289] "roxygen2"          "rpf"               "RPostgres"         "rProject"
#> [293] "rprojroot"         "rsample"           "RSQLite"           "rstan"
#> [297] "rstantools"        "rstudioapi"        "rversions"         "rvest"
#> [301] "Ryacas"            "sass"              "scales"            "selectr"
#> [305] "semlbci"           "semmcci"           "sessioninfo"       "shape"
#> [309] "shiny"             "simStateSpace"     "slider"            "snow"
#> [313] "snowfall"          "sourcetools"       "SparseM"           "SQUAREM"
#> [317] "StanHeaders"       "statmod"           "stringi"           "stringr"
#> [321] "styler"            "symSEM"            "sys"               "systemfonts"
#> [325] "tensorA"           "testthat"          "texreg"            "textshaping"
```

```
#> [329] "tibble"        "tidymodels"    "tidyr"          "tidyselect"
#> [333] "tidyverse"     "timechange"    "timeDate"       "tinytex"
#> [337] "tune"          "tzdb"          "ucminf"         "unigd"
#> [341] "urlchecker"    "usethis"       "utf8"           "uuid"
#> [345] "V8"            "vctrs"         "viridis"        "viridisLite"
#> [349] "vroom"         "waldo"         "warp"           "whisker"
#> [353] "whoami"        "withr"         "workflows"      "workflowsets"
#> [357] "xfun"          "xml2"          "xmlparsedata"   "xopen"
#> [361] "xtable"        "yaml"          "yardstick"      "zip"
#> [365] "base"          "boot"          "class"          "cluster"
#> [369] "codetools"     "compiler"      "datasets"       "foreign"
#> [373] "graphics"      "grDevices"     "grid"           "KernSmooth"
#> [377] "lattice"       "MASS"          "Matrix"         "methods"
#> [381] "mgcv"          "nlme"          "nnet"           "parallel"
#> [385] "rpart"         "spatial"       "splines"        "stats"
#> [389] "stats4"        "survival"      "tcltk"          "tools"
#> [393] "utils"
```

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/