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

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

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