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_0.0.13
#>
#> 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_4.4.1   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_1.0.12      RefManageR_1.4.0 rlang_1.1.4
```

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

Packages

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

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

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

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