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

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

```
#>   [1] "fitCTVARMx"     "pkgdown"        "pkgload"        "ps"
#>   [5] "roxygen2"       "rProject"       "tinytex"        "yaml"
#>   [9] "abind"          "arrow"          "ash"            "AsioHeaders"
#>  [13] "askpass"        "assertthat"     "backports"      "base64enc"
#>  [17] "betaDelta"      "betaMC"         "betaNB"         "betaSandwich"
#>  [21] "BH"             "bibtex"         "BiocManager"    "bit"
#>  [25] "bit64"          "bitops"         "blob"           "brew"
#>  [29] "brio"           "broom"          "bslib"          "cachem"
#>  [33] "callr"          "car"            "caracas"        "carData"
#>  [37] "cellranger"     "cffr"           "checkmate"      "cli"
#>  [41] "clipr"          "clock"          "coda"           "cOde"
#>  [45] "collections"    "colorspace"     "commonmark"     "conflicted"
#>  [49] "corpcor"        "covr"           "cowplot"        "cpp11"
#>  [53] "crayon"         "credentials"    "crosstalk"      "cTMed"
#>  [57] "ctsem"          "curl"           "cyclocomp"      "data.table"
#>  [61] "DBI"            "dbplyr"         "Deriv"          "desc"
#>  [65] "deSolve"        "devtools"       "diagram"        "dials"
#>  [69] "DiceDesign"     "diffobj"        "digest"         "distributional"
#>  [73] "distro"         "doBy"           "docopt"         "doFuture"
#>  [77] "downlit"        "dplyr"          "DT"             "dtplyr"
#>  [81] "duckdb"         "dynr"           "dynUtils"       "ellipse"
#>  [85] "ellipsis"       "evaluate"       "expm"           "fansi"
#>  [89] "farver"         "fastDummies"    "fastmap"        "fclust"
#>  [93] "fda"            "fdrtool"        "fds"            "FNN"
#>  [97] "fontawesome"    "forcats"        "foreach"        "Formula"
#> [101] "fs"             "fst"            "fstcore"        "furrr"
#> [105] "future"         "future.apply"   "gargle"         "generics"
#> [109] "gert"           "ggplot2"        "ggrepel"        "gh"
#> [113] "gitcreds"       "glasso"         "glmnet"         "globals"
#> [117] "glue"           "googledrive"    "googlesheets4"  "gower"
#> [121] "GPfit"          "gridExtra"      "gsubfn"         "gtable"
#> [125] "gtools"         "hardhat"        "haven"          "hdrcde"
#> [129] "here"           "highr"          "Hmisc"          "hms"
#> [133] "htmlTable"      "htmltools"      "htmlwidgets"    "httpgd"
#> [137] "httpuv"         "httr"           "httr2"          "ids"
#> [141] "ifaTools"       "igraph"         "infer"          "ini"
#> [145] "inline"         "ipred"          "isoband"        "iterators"
```

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#> [149] "jomo"            "jpeg"             "jquerylib"        "jsonlite"
#> [153] "jsonvalidate"    "kernlab"          "knitr"            "ks"
#> [157] "labeling"        "Lahman"           "languageserver"   "later"
#> [161] "latex2exp"       "lava"             "lavaan"           "lazyeval"
#> [165] "lhs"             "lifecycle"        "lintr"            "listenv"
#> [169] "littler"         "lme4"             "locfit"           "longMI"
#> [173] "loo"             "lubridate"        "magick"           "magrittr"
#> [177] "markdown"        "MatrixModels"     "matrixStats"      "mclust"
#> [181] "memoise"         "metaSEM"          "mice"             "microbenchmark"
#> [185] "mime"            "miniUI"           "minqa"            "mitml"
#> [189] "mize"            "mnormt"           "modeldata"        "modelenv"
#> [193] "modelr"          "MplusAutomation"  "multicool"        "munsell"
#> [197] "mvtnorm"         "nloptr"           "numDeriv"         "nycflights13"
#> [201] "OpenMx"          "openssl"          "ordinal"          "pan"
#> [205] "pander"          "parallelly"       "parsnip"          "patchwork"
#> [209] "pbapply"         "pbivnorm"         "pbkrtest"         "pcaPP"
#> [213] "pdftools"        "pillar"           "pkgbuild"         "pkgconfig"
#> [217] "pkgdown"         "pkgload"          "plogr"            "plyr"
#> [221] "png"             "posterior"        "pracma"           "praise"
#> [225] "prettyunits"     "printr"           "processx"         "prodlim"
#> [229] "profvis"         "progress"         "progressr"        "promises"
#> [233] "proto"           "ps"               "psych"            "purrr"
#> [237] "qgraph"          "qpdf"             "quadprog"         "quantreg"
#> [241] "quarto"          "QuickJSR"         "R.cache"          "R.methodsS3"
#> [245] "R.oo"            "R.utils"          "R6"               "ragg"
#> [249] "rainbow"         "rappdirs"         "rbibutils"        "rcmdcheck"
#> [253] "RColorBrewer"    "Rcpp"             "RcppArmadillo"    "RcppEigen"
#> [257] "RcppGSL"         "RcppParallel"     "RcppTOML"         "RCurl"
#> [261] "Rdpack"          "readr"            "readxl"           "recipes"
#> [265] "RefManageR"      "rematch"          "rematch2"         "remotes"
#> [269] "reprex"          "reshape2"         "reticulate"       "rex"
#> [273] "rhub"            "rlang"            "RMariaDB"         "rmarkdown"
#> [277] "roxygen2"        "rpf"              "RPostgres"        "rProject"
#> [281] "rprojroot"       "rsample"          "RSQLite"          "rstan"
#> [285] "rstantools"      "rstudioapi"       "rversions"        "rvest"
#> [289] "Ryacas"          "sass"             "scales"           "selectr"
#> [293] "semlbci"         "semmcci"          "sessioninfo"      "shape"
#> [297] "shiny"           "simStateSpace"    "slider"           "snow"
#> [301] "snowfall"        "sourcetools"      "SparseM"          "SQUAREM"
#> [305] "StanHeaders"     "statmod"          "stringi"          "stringr"
#> [309] "styler"          "symSEM"           "sys"              "systemfonts"
#> [313] "tensorA"         "testthat"         "texreg"           "textshaping"
#> [317] "tibble"          "tidymodels"       "tidyr"            "tidyselect"
#> [321] "tidyverse"       "timechange"       "timeDate"         "tinytex"
#> [325] "tune"            "tzdb"             "ucminf"           "unigd"
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```
#> [329] "urlchecker"    "usethis"     "utf8"          "uuid"
#> [333] "V8"            "vctrs"       "viridis"       "viridisLite"
#> [337] "vroom"         "waldo"       "warp"          "whisker"
#> [341] "whoami"        "withr"       "workflows"     "workflowsets"
#> [345] "xfun"          "xml2"        "xmlparsedata"  "xopen"
#> [349] "xtable"        "yaml"        "yardstick"     "zip"
#> [353] "base"          "boot"        "class"         "cluster"
#> [357] "codetools"     "compiler"    "datasets"      "foreign"
#> [361] "graphics"      "grDevices"   "grid"          "KernSmooth"
#> [365] "lattice"       "MASS"        "Matrix"        "methods"
#> [369] "mgcv"          "nlme"        "nnet"          "parallel"
#> [373] "rpart"         "spatial"     "splines"       "stats"
#> [377] "stats4"        "survival"    "tcltk"         "tools"
#> [381] "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/