

# Session Info

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## Session

```
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/libopenblas-p-r0.3.20.so; LAPACK version 3.10.3
#>
#> 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

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unnname(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"      "cfr"             "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"           "hdcde"
#> [129] "here"           "highr"           "Hmisc"           "hms"
#> [133] "htmlTable"       "htmltools"       "htmlwidgets"     "httpgd"
#> [137] "httpuv"          "httr"            "httr2"           "ids"
#> [141] "ifftools"        "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/>