Session Info

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Session

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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

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

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

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

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