Session Info

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Session

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sessionInfo()

#> R version 4.4.2 (2024-10-31)
#> Platform: x86_64-pc-linux-gnu
#> Running under: Ubuntu 24.04.1 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-r0.3.26.so;  LAPACK version 3.12.
#>
#> 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_0.0.18
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.5.1         lubridate_1.9.4  xfun_0.50
#>  [5] magrittr_2.0.3   glue_1.8.0       stringr_1.5.1    knitr_1.49
#>  [9] timechange_0.3.0 generics_0.1.3   lifecycle_1.0.4  xml2_1.3.6
#> [13] cli_3.6.3.9002   bibtex_0.5.1     compiler_4.4.2   highr_0.11
#> [17] rprojroot_2.0.4  plyr_1.8.9       httr_1.4.7       tools_4.4.2
#> [21] evaluate_1.0.3   Rcpp_1.0.14      RefManageR_1.4.0 rlang_1.1.5
```

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#> [25] jsonlite_1.8.9   stringi_1.8.4
```

Packages

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

```
#>   [1] "httr2"              "rProject"           "simStateSpace"
#>   [4] "systemfonts"        "textshaping"        "abind"
#>   [7] "Amelia"             "arm"                "arrow"
#>  [10] "ash"                "AsioHeaders"        "askpass"
#>  [13] "assertthat"         "backports"          "base64enc"
#>  [16] "betaDelta"          "betaMC"             "betaNB"
#>  [19] "betaSandwich"       "BH"                 "bibtex"
#>  [22] "BiocManager"        "bit"                "bit64"
#>  [25] "bitops"             "blob"               "bootStateSpace"
#>  [28] "brew"               "brio"               "broom"
#>  [31] "bslib"              "cachem"             "callr"
#>  [34] "car"                "caracas"            "carData"
#>  [37] "cellranger"         "cffr"               "checkmate"
#>  [40] "cli"                "clipr"              "clock"
#>  [43] "clusterGeneration"  "coda"               "cOde"
#>  [46] "collections"        "colorspace"         "commonmark"
#>  [49] "conflicted"         "corpcor"            "covr"
#>  [52] "cowplot"            "cpp11"              "crayon"
#>  [55] "credentials"        "crosstalk"          "cTMed"
#>  [58] "ctsem"              "curl"               "cyclocomp"
#>  [61] "data.table"         "DBI"                "dbplyr"
#>  [64] "Deriv"              "desc"               "deSolve"
#>  [67] "devtools"           "diagram"            "dials"
#>  [70] "DiceDesign"         "diffobj"            "digest"
#>  [73] "distributional"     "distro"             "doBy"
#>  [76] "docopt"             "doFuture"           "downlit"
#>  [79] "dplyr"              "DT"                 "dtplyr"
#>  [82] "dynr"               "dynUtils"           "ellipse"
#>  [85] "ellipsis"           "evaluate"           "expm"
#>  [88] "fansi"              "farver"             "fastDummies"
#>  [91] "fastmap"            "fclust"             "fda"
#>  [94] "fdrtool"            "fds"                "fitCTVARMx"
#>  [97] "fitDTVARMx"         "FNN"                "fontawesome"
#> [100] "forcats"            "foreach"            "Formula"
#> [103] "fs"                 "fst"                "fstcore"
#> [106] "furrr"              "future"             "future.apply"
#> [109] "gargle"             "generics"           "gert"
```

```
#> [112] "ggplot2"           "ggrepel"           "gh"
#> [115] "gitcreds"          "glasso"            "glmnet"
#> [118] "globals"           "glue"              "googledrive"
#> [121] "googlesheets4"     "gower"             "GPArotation"
#> [124] "GPfit"             "graphicalVAR"      "gridExtra"
#> [127] "gsubfn"            "gtable"            "gtools"
#> [130] "hardhat"           "haven"             "hdrcde"
#> [133] "here"              "highr"             "Hmisc"
#> [136] "hms"               "htmlTable"         "htmltools"
#> [139] "htmlwidgets"       "httpgd"            "httpuv"
#> [142] "httr"              "httr2"             "ids"
#> [145] "ifaTools"          "igraph"            "infer"
#> [148] "ini"               "inline"            "ipred"
#> [151] "isoband"           "iterators"         "jomo"
#> [154] "jpeg"              "jquerylib"         "jsonlite"
#> [157] "jsonvalidate"      "kernlab"           "knitr"
#> [160] "ks"                "labeling"          "Lahman"
#> [163] "languageserver"    "later"             "latex2exp"
#> [166] "lava"              "lavaan"            "lazyeval"
#> [169] "lhs"               "lifecycle"         "lintr"
#> [172] "listenv"           "littler"           "lme4"
#> [175] "locfit"            "longMI"            "loo"
#> [178] "lubridate"         "magick"            "magrittr"
#> [181] "markdown"          "MatrixModels"      "matrixStats"
#> [184] "mclust"            "memoise"           "metaSEM"
#> [187] "metaVAR"           "mice"              "microbenchmark"
#> [190] "mime"              "miniUI"            "minqa"
#> [193] "mitml"             "mize"              "mlVAR"
#> [196] "mnormt"            "modeldata"         "modelenv"
#> [199] "modelr"            "MplusAutomation"   "multicool"
#> [202] "munsell"           "mvtnorm"           "nloptr"
#> [205] "numDeriv"          "nycflights13"      "OpenMx"
#> [208] "openssl"           "ordinal"           "pan"
#> [211] "pander"            "parallelly"        "parsnip"
#> [214] "patchwork"         "pbapply"           "pbivnorm"
#> [217] "pbkrtest"          "pcaPP"             "pdftools"
#> [220] "pillar"            "pkgbuild"          "pkgconfig"
#> [223] "pkgdown"           "pkgload"           "plogr"
#> [226] "plyr"              "png"               "posterior"
#> [229] "pracma"            "praise"            "prettyunits"
#> [232] "printr"            "processx"          "prodlim"
#> [235] "profvis"           "progress"          "progressr"
#> [238] "promises"          "proto"             "ps"
#> [241] "psych"             "purrr"             "qgraph"
#> [244] "qpdf"              "quadprog"          "quantreg"
```

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#> [247] "quarto"            "QuickJSR"          "R.cache"
#> [250] "R.methodsS3"       "R.oo"              "R.utils"
#> [253] "R6"                "ragg"              "rainbow"
#> [256] "rappdirs"          "rbibutils"         "rcmdcheck"
#> [259] "RColorBrewer"      "Rcpp"              "RcppArmadillo"
#> [262] "RcppEigen"         "RcppGSL"           "RcppParallel"
#> [265] "RcppTOML"          "RCurl"             "Rdpack"
#> [268] "readr"             "readxl"            "recipes"
#> [271] "RefManageR"        "reformulas"        "rematch"
#> [274] "rematch2"          "remotes"           "reprex"
#> [277] "reshape2"          "reticulate"        "rex"
#> [280] "rhub"              "rjags"             "rlang"
#> [283] "RMariaDB"          "rmarkdown"         "roxygen2"
#> [286] "rpf"               "RPostgres"         "rProject"
#> [289] "rprojroot"         "rsample"           "RSQLite"
#> [292] "rstan"             "rstantools"        "rstudioapi"
#> [295] "rversions"         "rvest"             "Ryacas"
#> [298] "sass"              "scales"            "selectr"
#> [301] "semlbci"           "semmcci"           "sessioninfo"
#> [304] "sfd"               "shape"             "shiny"
#> [307] "simStateSpace"     "slider"            "snow"
#> [310] "snowfall"          "sourcetools"       "SparseM"
#> [313] "SQUAREM"           "StanHeaders"       "statmod"
#> [316] "stringi"           "stringr"           "styler"
#> [319] "symSEM"            "sys"               "systemfonts"
#> [322] "tensorA"           "testthat"          "texreg"
#> [325] "textshaping"       "tibble"            "tidymodels"
#> [328] "tidyr"             "tidyselect"        "tidyverse"
#> [331] "timechange"        "timeDate"          "tinytex"
#> [334] "tune"              "tzdb"              "ucminf"
#> [337] "unigd"             "urlchecker"        "usethis"
#> [340] "utf8"              "uuid"              "V8"
#> [343] "vctrs"             "viridis"           "viridisLite"
#> [346] "vroom"             "waldo"             "warp"
#> [349] "whisker"           "whoami"            "withr"
#> [352] "workflows"         "workflowsets"      "xfun"
#> [355] "xml2"              "xmlparsedata"      "xopen"
#> [358] "xtable"            "yaml"              "yardstick"
#> [361] "zip"               "base"              "boot"
#> [364] "class"             "cluster"           "codetools"
#> [367] "compiler"          "datasets"          "foreign"
#> [370] "graphics"          "grDevices"         "grid"
#> [373] "KernSmooth"        "lattice"           "MASS"
#> [376] "Matrix"            "methods"           "mgcv"
#> [379] "nlme"              "nnet"              "parallel"
```

```
#> [382] "rpart"             "spatial"           "splines"
#> [385] "stats"             "stats4"            "survival"
#> [388] "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/