Session Info

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Session

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sessionInfo()

#> R version 4.5.2 (2025-10-31)
#> Platform: x86_64-pc-linux-gnu
#> Running under: Ubuntu 24.04.3 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_0.0.23
#>
#> loaded via a namespace (and not attached):
#>  [1] backports_1.5.0  R6_2.6.1         lubridate_1.9.4  xfun_0.55
#>  [5] magrittr_2.0.4   glue_1.8.0       stringr_1.6.0    knitr_1.51
#>  [9] timechange_0.3.0 generics_0.1.4   lifecycle_1.0.4  xml2_1.5.1
#> [13] cli_3.6.5.9000   bibtex_0.5.1     compiler_4.5.2   plyr_1.8.9
#> [17] highr_0.11       rprojroot_2.1.1  httr_1.4.7       tools_4.5.2
#> [21] evaluate_1.0.5   Rcpp_1.1.0       RefManageR_1.4.0 otel_0.2.0
```

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#> [25] rlang_1.1.6      jsonlite_2.0.0   stringi_1.8.7
```

Packages

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

```
#>   [1] "fitDTVARMxID"      "abind"             "Amelia"
#>   [4] "arm"               "arrow"             "ash"
#>   [7] "AsioHeaders"       "askpass"           "assertthat"
#>  [10] "backports"         "base64enc"         "betaDelta"
#>  [13] "betaMC"            "betaNB"            "betaSandwich"
#>  [16] "BH"                "bibtex"            "BiocManager"
#>  [19] "BiocVersion"       "bit"               "bit64"
#>  [22] "bitops"            "blob"              "bootStateSpace"
#>  [25] "brew"              "brio"              "broom"
#>  [28] "bslib"             "cachem"            "callr"
#>  [31] "car"               "caracas"           "carData"
#>  [34] "cellranger"        "cffr"              "checkmate"
#>  [37] "cli"               "clipr"             "clock"
#>  [40] "clusterGeneration" "coda"              "cOde"
#>  [43] "collections"       "colorspace"        "commonmark"
#>  [46] "conflicted"        "corpcor"           "covr"
#>  [49] "cowplot"           "cpp11"             "crayon"
#>  [52] "credentials"       "crosstalk"         "cTMed"
#>  [55] "ctsem"             "curl"              "data.table"
#>  [58] "DBI"               "dbplyr"            "Deriv"
#>  [61] "desc"              "deSolve"           "devtools"
#>  [64] "diagram"           "dials"             "DiceDesign"
#>  [67] "diffobj"           "digest"            "distributional"
#>  [70] "distro"            "doBy"              "docopt"
#>  [73] "downlit"           "dplyr"             "DT"
#>  [76] "dtplyr"            "duckdb"            "dynr"
#>  [79] "dynUtils"          "ellipse"           "ellipsis"
#>  [82] "evaluate"          "expm"              "fansi"
#>  [85] "farver"            "fastDummies"       "fastmap"
#>  [88] "fclust"            "fda"               "fdrtool"
#>  [91] "fds"               "fitDTVARMxID"      "FNN"
#>  [94] "fontawesome"       "forcats"           "foreach"
#>  [97] "forecast"          "Formula"           "fracdiff"
#> [100] "fs"                "fst"               "fstcore"
#> [103] "furrr"             "future"            "future.apply"
#> [106] "gargle"            "generics"          "gert"
#> [109] "ggplot2"           "ggrepel"           "gh"
```

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

```
#> [247] "quarto"            "QuickJSR"          "R.cache"
#> [250] "R.methodsS3"       "R.oo"              "R.utils"
#> [253] "R2jags"            "R2WinBUGS"         "R6"
#> [256] "ragg"              "rainbow"           "rappdirs"
#> [259] "rbibutils"         "rcmdcheck"         "RColorBrewer"
#> [262] "Rcpp"              "RcppArmadillo"     "RcppEigen"
#> [265] "RcppGSL"           "RcppParallel"      "RcppTOML"
#> [268] "RCurl"             "Rdpack"            "readr"
#> [271] "readxl"            "recipes"           "RefManageR"
#> [274] "reformulas"        "rematch"           "rematch2"
#> [277] "remotes"           "reprex"            "reshape2"
#> [280] "reticulate"        "rex"               "rhdf5"
#> [283] "rhdf5filters"      "Rhdf5lib"          "rhub"
#> [286] "rjags"             "rlang"             "RMariaDB"
#> [289] "rmarkdown"         "roxygen2"          "rpf"
#> [292] "RPostgres"         "rProject"          "rprojroot"
#> [295] "rsample"           "RSQLite"           "rstan"
#> [298] "rstantools"        "rstudioapi"        "rversions"
#> [301] "rvest"             "Ryacas"            "S7"
#> [304] "sass"              "scales"            "selectr"
#> [307] "semlbci"           "semmcci"           "sessioninfo"
#> [310] "sfd"               "shape"             "shiny"
#> [313] "simStateSpace"     "slider"            "snow"
#> [316] "snowfall"          "sourcetools"       "SparseM"
#> [319] "sparsevctrs"       "SQUAREM"           "StanHeaders"
#> [322] "stringi"           "stringr"           "styler"
#> [325] "symSEM"            "sys"               "systemfonts"
#> [328] "tailor"            "tensorA"           "testthat"
#> [331] "texreg"            "textshaping"       "tibble"
#> [334] "tidymodels"        "tidyr"             "tidyselect"
#> [337] "tidyverse"         "timechange"        "timeDate"
#> [340] "tinytex"           "tseries"           "TTR"
#> [343] "tune"              "tzdb"              "ucminf"
#> [346] "unigd"             "urca"              "urlchecker"
#> [349] "usethis"           "utf8"              "uuid"
#> [352] "V8"                "vctrs"             "viridisLite"
#> [355] "vroom"             "waldo"             "warp"
#> [358] "whisker"           "whoami"            "withr"
#> [361] "workflows"         "workflowsets"      "xfun"
#> [364] "xml2"              "xmlparsedata"      "xopen"
#> [367] "xtable"            "xts"               "yaml"
#> [370] "yardstick"         "zip"               "zoo"
#> [373] "base"              "boot"              "class"
#> [376] "cluster"           "codetools"         "compiler"
#> [379] "datasets"          "foreign"           "graphics"
```

```
#> [382] "grDevices"          "grid"               "KernSmooth"
#> [385] "lattice"            "MASS"               "Matrix"
#> [388] "methods"            "mgcv"               "nlme"
#> [391] "nnet"               "parallel"           "rpart"
#> [394] "spatial"            "splines"            "stats"
#> [397] "stats4"             "survival"           "tcltk"
#> [400] "tools"              "utils"
```

References

R Core Team. (2025). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. https://www.R-project.org/