Session Info

Ivan Jacob Agaloos Pesigan

Session

```
sessionInfo()
#> R version 4.3.1 (2023-06-16)
#> Platform: x86_64-pc-linux-gnu (64-bit)
#> Running under: Ubuntu 22.04.3 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-r0.3.20.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_0.0.5
#>
#> loaded via a namespace (and not attached):
#> [1] backports_1.4.1 R6_2.5.1 lubridate_1.9.3 xfun_0.40 
#> [5] magrittr_2.0.3 glue_1.6.2 stringr_1.5.0 knitr_1.44
#> [9] timechange_0.2.0 generics_0.1.3 lifecycle_1.0.3 xml2_1.3.5
                         bibtex_0.5.1 compiler_4.3.1
#> [13] cli_3.6.1.9000
                                                              plyr_1.8.9
#> [17] highr_0.10
                      rprojroot_2.0.3 httr_1.4.7
                                                              rstudioapi_0.15.0
#> [21] tools_4.3.1
                       evaluate_0.22
                                        Rcpp_1.0.11
                                                              RefManageR_1.4.0
```

Packages

#> [1] "cli" "crosstalk" "DT" "fitOU"	unr	unname(installed.packages()[, 1])						
#> [5] "RcppArmadillo" "rProject" "simStateSpace" "tinytex"	#>	Г17	"cli"	"crosstalk"	"DT"	"fitOU"		
#> [9] "abind" "arrow" "ash" "askpass" [13] "assertthat" "backports" "base64enc" "betaDelta" [13] "assertthat" "betaNB" "betaSandwich" "BH" [21] "bibtex" "BiocManager" "bit" "bit64" [25] "bitops" "blob" "brew" "brio" "callr" [29] "broom" "bslib" "cachem" "callr" [29] "broom" "bslib" "caleme" "cffr" "clip" "clock" [27] "checkmate" "cli" "clipr" "clock" "conflicted" "covr" "copi1" "crayon" "crayon" "dat. table" "cyclocomp" "dat. table" "csi "dissor" "dissor" "dissor" "dissor" "docopt" "dat. table" "dissor" "dissor" "dissor" "dissor" "docopt" "dat. table" "dissor" "foracent" "foracent" "foracent" "foracent" "foracent" "foracent" "foracent" "for "foracent" "for "for "gitcreds" "glassor" "glassor" "glassor" "glassor" "glassor" "glassor" "glassor" "glassor" "glassor" "hardhat" "haven" "haven" "haven" "haven" "haven" "haven" "haven" "haven" "haven" "hittpu" "httpu" "httpu" "httpu" "httpu" "httpu" "httpu" "httpu" "httpu" "inin" "horent" "jono" "ligraph" "ligraph" "ligraph" "ligraph" "jono" "ligraph" "jono" "jono" "ligraph" "jono" "ligraph" "ligraph" "ligraph" "jono" "ligraph"					= =			
#> [13] "assertthat" "backports" "bataBandwich" "BH" [17] "betaMC" "betaNB" "betaSandwich" "BH" [21] "bibtex" "BiocManager" "bit" "bit64" [25] "bitops" "blob" "brew" "brio" [29] "broom" "bslib" "cachem" "callr" [29] "broom" "bslib" "cachem" "callr" [29] "broom" "bslib" "callranger" "cffr" [33] "car" "carData" "clipr" "clock" [41] "collections" "colorspace" "commonmark" "conflicted" [45] "corpcor" "covr" "cpp11" "crayon" "data.table" "blob" "data.table" "blob" "dase" "descomp" "data.table" "blocDesign" "dialgram" "dialgram" "dialgram" "dialgram" "docopt"				-	_			
#> [17] "betaMC" "betaNB" "betaSandwich" "BH" "bit64"								
#> [21] "bibtex" "BiocManager" "bit" "brio"	#>			_	"betaSandwich"			
#> [25] "bitops" "blob" "brew" "callr" #> [29] "broom" "bslib" "cachem" "callr" #> [33] "car" "carData" "cclipr" "clock" #> [41] "collections" "colorspace" "commonmark" "conflicted" #> [41] "coredentials" "curl" "cyclocomp" "data.table" #> [53] "DBI" "dbplyr" "desc" "deSolve" #> [53] "DBI" "dbplyr" "diss" "DiceDesign" #> [64] "diffobj" "digest" "distro" "docopt" #> [65] "downlit" "dplyr" "dtplyr" "duckdb" #> [66] "dynr" "ellipsis" "evaluate" "fansi" #> [73] "farver" "fastmap" "fclust" "fda" #> [74] "forcats" "foreach" "Formula" "fs" #> [81] "forcats" "foreach" "Formula" "fs" #> [83] "future.apply" "gargle" "generics" "gert" #> [89] "gyplot2" "gh" "glmet" "globals" "glue" "googledrive" #> [10] "darded" "highr" "Hmisc" "haven" #> [10] "hdrode" "highr" "Hmisc" "haven" #> [10] "hdrode" "highr" "Hmisc" "httpgd" #> [11] "httpuv" "httr" "httpuv" "httr" "httpd" #> [12] "iped" "jourylib" "jsonlite" "jsonvalidate" #> [13] "Lahman" "languageserver "ks" "labeling" #> [141] "lava" "lavae" "lazyeval" "latex2exp" #> [141] "lava" "lavae" "lazyeval" "labeling" #> [141] "lava" "lavae" "lazyeval" "labeling" #> [141] "lava" "lavaan" "lazyeval" "labeling" #> [141] "lava" "lavae" "lazyeval" "laber" #> [141] "lava" "lavae" "lazyeval" "laber" #> [141] "lava" "labeling" #> [141] "lava" "labeling" #> [141] "lava" "labeling" #> [141] "lava" "labeling" # [141] "lava" "lapyen "labeling" # [141] "lava" "lapyen "labeling" # [141	#>					"bit64"		
#> [29] "broom" "bslib" "cachem" "callr" #> [33] "car" "carData" "cellranger" "cffr" #> [37] "checkmate" "cli" "clipr" "clock" #> [41] "collections" "colorspace" "commonmark" "conflicted" #> [45] "corpcor" "covr" "cpp11" "crayon" #> [46] "credentials" "curl" "cyclocomp" "data.table" #> [53] "DBI" "dbplyr" "desc" "deSolve" #> [57] "devtools" "diagram" "dials" "DiceDesign" #> [61] "diffobj" "digest" "distro" "docopt" #> [68] "downlit" "dplyr" "dtplyr" "duckdb" #> [69] "dynr" "ellipsis" "evaluate" "fansis" #> [73] "farver" "fastmap" "fclust" "fda" #> [77] "fdtool" "fds" "FNN" "fontawesome" #> [88] "fst" "foreach" "Formula" "fs" #> [89] "future.apply" "gargle" "generics" "gert" #> [89] "ggplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [109] "hdrcde" "highr" "Hmisc" "hms" #> [110] "httpuv" "httr" "httpudests" "inin" #> [117] "httpuv" "httr" "httpudests" "jomo" #> [121] "jped" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "languageserver" "later" "labeling" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>							
#> [33] "car" "carData" "cellranger" "cffr" #> [37] "checkmate" "cli" "clipr" "clock" #> [41] "collections" "colorspace" "commomark" "conflicted" #> [45] "corpcor" "covr" "cpp11" "crayon" #> [45] "corpcor" "data.table" #> [53] "DBI" "dbplyr" "desc" "deSolve" #> [57] "devtools" "diagram" "dials" "DiceDesign" #> [61] "diffobj" "digest" "distro" "docopt" #> [65] "downlit" "dplyr" "dtplyr" "duckdb" #> [65] "downlit" "dplyr" "dtplyr" "duckdb" #> [69] "dynr" "ellipsis" "evaluate" "fansi" #> [77] "fdrtool" "fds" "FNN" "fortawesome" #> [81] "forcats" "foreach" "Formula" "fs" #> [85] "fst" "fstcore" "furrr" "future" #> [89] "future.apply" "gargle" "generics" "gert" #> [89] "guplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "hms" #> [109] "hdrcde" "highr" "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [127] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavan" "lazyeval" "lhs"								
#> [37] "checkmate" "cli" "clipr" "clock" #> [41] "collections" "coorspace" "commonmark" "conflicted" #> [45] "corpcor" "covr" "cpp11" "crayon" #> [49] "credentials" "curl" "cyclocomp" "data.table" #> [53] "DBI" "dbplyr" "desc" "deSolve" #> [57] "devtools" "diagram" "dials" "DiceDesign" #> [61] "diffobj" "digest" "distro" "docopt" #> [65] "downlit" "dplyr" "dtplyr" "duckdb" #> [69] "dynr" "ellipsis" "evaluate" "fansi" #> [73] "farver" "fastmap" "fclust" "fdd" #> [77] "fdttool" "fds" "FNN" "fontawesome" #> [85] "fst" "fstcore" "furrr" "future" #> [89] "future.apply" "gargle" "generics" "gert" #> [89] "gyplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "stools" "hardhat" "haven" #> [107] "hhttpuv" "httr" "Hmisc" "hms" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [114] "ifaTools" "igoapleseerver" "later" "jonovalidate" #> [129] "jpeg" "jquerylib" "jsonlite" "jonovalidate" #> [133] "kernlab" "lavaan" "lazyeval" "llas" #> [141] "lava" "lavaan" "lazyeval" "llas"	#>							
#> [41] "collections" "colorspace" "commonmark" "conflicted" #> [45] "corpcor" "covr" "cpp11" "crayon" #> [49] "credentials" "curl" "cyclocomp" "data.table" #> [53] "DBI" "dobplyr" "desc" "deSolve" #> [57] "devtools" "diagram" "dials" "DiceDesign" #> [61] "diffobj" "digest" "distro" "docopt" #> [65] "downlit" "dplyr" "dtplyr" "duckdb" #> [69] "dynr" "ellipsis" "evaluate" "fansi" #> [73] "farver" "fastmap" "fclust" "fda" #> [77] "fdrtool" "fds" "FNN" "fontawesome" #> [81] "forcats" "foreach" "Formula" "fs" #> [83] "fstt" "fstcore" "furrr" "future" #> [89] "future.apply" "gargle" "generics" "gert" #> [93] "ggplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "hms" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonvalidate" #> [133] "kernlab" "languageserver" "later" "labeling" #> [141] "lava" "layaan" "later" "later2exp" #> [141] "lavan" "languageserver" "later" "later2exp" #> [141] "lavan" "languageserver" "later" "later2exp"	#>	[37]	"checkmate"	"cli"		"clock"		
#> [45] "corpcor" "covr" "cpp11" "crayon" #> [49] "credentials" "curl" "cyclocomp" "data.table" #> [53] "DBI" "dbplyr" "desc" "deSolve" #> [57] "devtools" "diagram" "dials" "DiceDesign" #> [61] "diffobj" "digest" "distro" "docopt" #> [65] "downlit" "dplyr" "dtplyr" "duckdb" #> [69] "dynr" "ellipsis" "evaluate" "fansi" #> [73] "farver" "fastmap" "fclust" "fdd" #> [77] "fdrtool" "fds" "FNN" "fontawesome" #> [81] "forcats" "foreach" "Formula" "fs" #> [83] "fst" "fstcore" "furrr" "future" #> [89] "future.apply" "gargle" "generics" "gert" #> [93] "ggplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "hms" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "jourylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [131] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>			"colorspace"	_			
#> [49] "credentials" "curl" "cyclocomp" "data.table" #> [53] "DBI" "dbplyr" "desc" "deSolve" #> [57] "devtools" "diagram" "dials" "DiceDesign" #> [61] "diffobj" "digest" "distro" "docopt" #> [65] "downlit" "dplyr" "dtplyr" "duckdb" #> [69] "dynr" "ellipsis" "evaluate" "fansi" #> [73] "farver" "fastmap" "fclust" "fda" #> [77] "fdrtool" "fds" "FNN" "fornula" "fs" #> [81] "forcats" "foreach" "Formula" "fs" #> [82] "fst" "fstcore" "furrr" "future" #> [83] "ggplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "hms" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "jourylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [131] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>					"crayon"		
#> [53] "DBI" "deytools" "diagram" "dials" "DiceDesign" #> [61] "diffobj" "digest" "distro" "docopt" #> [65] "downlit" "dplyr" "dtplyr" "duckdb" #> [69] "dynr" "ellipsis" "evaluate" "fansi" #> [73] "farver" "fastmap" "fclust" "fda" #> [77] "fdrtool" "fds" "FNN" "formula" "fs" #> [81] "forcats" "foreach" "Formula" "fs" #> [85] "fst" "fstcore" "furrr" "future" #> [89] "future.apply" "gargle" "generics" "gert" #> [93] "ggplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "hms" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [111] "ifaTools" "igraph" "infer" "ini" #> [121] "ifaTools" "igraph" "infer" "ini" #> [123] "ipred" "isoband" "iterators" "jomo" #> [133] "kernlab" "kmitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>			"curl"				
#> [61] "diffobj" "digest" "distro" "docopt" #> [65] "downlit" "dplyr" "dtplyr" "duckdb" #> [69] "dynr" "ellipsis" "evaluate" "fansi" #> [73] "farver" "fastmap" "fclust" "fda" #> [77] "fdrtool" "fds" "FNN" "fontawesome" #> [81] "forcats" "foreach" "Formula" "fs" #> [89] "future.apply" "gargle" "generics" "gert" #> [89] "guplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavan" "lazyeval" "lhs"	#>	[53]	"DBI"	"dbplyr"		"deSolve"		
#> [61] "diffobj" "digest" "distro" "docopt" #> [65] "downlit" "dplyr" "dtplyr" "duckdb" #> [69] "dynr" "ellipsis" "evaluate" "fansi" #> [73] "farver" "fastmap" "fclust" "fda" #> [77] "fdrtool" "fds" "FNN" "fontawesome" #> [81] "forcats" "foreach" "Formula" "fs" #> [89] "future.apply" "gargle" "generics" "gert" #> [89] "guplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavan" "lazyeval" "lhs"	#>	[57]	"devtools"	"diagram"	"dials"	"DiceDesign"		
#> [65] "downlit" "dplyr" "dtplyr" "duckdb" #> [69] "dynr" "ellipsis" "evaluate" "fansi" #> [73] "farver" "fastmap" "fclust" "fortawesome" #> [81] "forcats" "foreach" "Formula" "fs" #> [85] "fst" "fstcore" "furrr" "future" #> [89] "future.apply" "gargle" "generics" "gert" #> [93] "ggplot2" "gh" "gitcreds" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "httpgd" #> [113] "htmlTable" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>	[61]	"diffobj"		"distro"			
#> [69] "dynr" "ellipsis" "evaluate" "fansi" #> [73] "farver" "fastmap" "fclust" "fontawesome" #> [77] "fdrtool" "fds" "FNN" "fortawesome" #> [81] "forcats" "foreach" "Formula" "fs" #> [85] "fst" "fstcore" "furrr" "future" #> [89] "future.apply" "gargle" "generics" "gert" #> [93] "ggplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "htmly "digets" "httpgd" #> [113] "htmlTable" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>	[65]	"downlit"		"dtplyr"			
#> [73] "farver" "fastmap" "fclust" "fda" #> [77] "fdrtool" "fds" "FNN" "fontawesome" #> [81] "forcats" "foreach" "Formula" "fs" #> [85] "fst" "fstcore" "furrr" "future" #> [89] "future.apply" "gargle" "generics" "gert" #> [93] "ggplot2" "gh" "glue" "googledrive" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "hms" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>	[69]	"dynr"			"fansi"		
#> [81] "forcats" "foreach" "Formula" "fs" #> [85] "fst" "fstcore" "furrr" "future" #> [89] "future.apply" "gargle" "generics" "gert" #> [93] "ggplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "hms" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>	[73]	"farver"		"fclust"	"fda"		
#> [85] "fst" "fstcore" "furrr" "future" #> [89] "future.apply" "gargle" "generics" "gert" #> [93] "ggplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "hms" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>	[77]	"fdrtool"	"fds"	"FNN"	"fontawesome"		
#> [89] "future.apply" "gargle" "generics" "gert" #> [93] "ggplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "hms" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>	[81]	"forcats"	"foreach"	"Formula"	"fs"		
#> [93] "ggplot2" "gh" "gitcreds" "glasso" #> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "hms" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>	[85]	"fst"	"fstcore"	"furrr"	"future"		
#> [97] "glmnet" "globals" "glue" "googledrive" #> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "httpgd" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>	[89]	"future.apply"	"gargle"	"generics"			
#> [101] "googlesheets4" "gower" "GPfit" "gridExtra" #> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "hms" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>	[93]	"ggplot2"	"gh"	"gitcreds"	"glasso"		
#> [105] "gtable" "gtools" "hardhat" "haven" #> [109] "hdrcde" "highr" "Hmisc" "hms" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"	#>	[97]	"glmnet"	"globals"	"glue"	"googledrive"		
#> [109] "hdrcde" "highr" "Hmisc" "hms" #> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"				"gower"	"GPfit"	"gridExtra"		
#> [113] "htmlTable" "htmltools" "htmlwidgets" "httpgd" #> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"						"haven"		
#> [117] "httpuv" "httr" "httr2" "ids" #> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"				"highr"		"hms"		
#> [121] "ifaTools" "igraph" "infer" "ini" #> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"								
#> [125] "ipred" "isoband" "iterators" "jomo" #> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"								
#> [129] "jpeg" "jquerylib" "jsonlite" "jsonvalidate" #> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"								
#> [133] "kernlab" "knitr" "ks" "labeling" #> [137] "Lahman" "languageserver" "later" "latex2exp" #> [141] "lava" "lavaan" "lazyeval" "lhs"			-					
#> [137] "Lahman" "languageserver" "later" "latex2exp"			01 0		-			
#> [141] "lava" "lavaan" "lazyeval" "lhs"								
						_		
<pre>#> [145] "lifecycle" "lintr" "listenv" "littler"</pre>								
	#>	[145]	"lifecycle"	"lintr"	"listenv"	"littler"		

#>	[149]	"lme4"	"locfit"	"lubridate"	"magick"
	[153]		"markdown"	"Matrix"	"MatrixModels"
		"magrittr" "mclust"	"memoise"	"mice"	"microbenchmark"
		"mime"	"miniUI"		"misc3d"
	[165]	"mitml"	"mnormt"	"minqa" "modeldata"	
					"modelenv"
		"modelr"	"multicool"	"munsell"	"mvtnorm"
		"nloptr"	"numDeriv"	"nycflights13"	"OpenMx"
		"openssl"	"ordinal"	"packrat"	"pan"
		"parallelly"	"parsedate"	"parsnip"	"patchwork"
		"pbapply"	"pbivnorm"	"pbkrtest"	"pcaPP"
		"pdftools"	"pillar"	"pkgbuild"	"pkgconfig"
		"pkgdown"	"pkgload"	"plogr"	"plot3D"
		"plyr"	"png"	"pracma"	"praise"
		"prettyunits"	"printr"	"processx"	"prodlim"
		"profvis"	"progress"	"progressr"	"promises"
		"ps"	"psych"	"purrr"	"qgraph"
	[213]	"qpdf"	"quadprog"	"quantreg"	"quarto"
		"R.cache"	"R.methodsS3"	"R.oo"	"R.utils"
	[221]	"R6"	"ragg"	"rainbow"	"rappdirs"
		"rbibutils"	"rcmdcheck"	"RColorBrewer"	"Rcpp"
		"RcppArmadillo"	"RcppEigen"	"RcppGSL"	"RcppParallel"
		"RCurl"	"Rdpack"	"readr"	"readxl"
		"recipes"	"RefManageR"	"rematch"	"rematch2"
		"remotes"	"renv"	"reprex"	"reshape2"
	[245]	"rex"	"rhub"	"rlang"	"RMariaDB"
		"rmarkdown"	"roxygen2"	"rpf"	"RPostgres"
#>	[253]	"rProject"	"rprojroot"	"rsample"	"rsconnect"
#>	[257]	"RSQLite"	"rstudioapi"	"rversions"	"rvest"
#>	[261]	"Ryacas"	"sass"	"scales"	"selectr"
#>	[265]	"semmcci"	"sessioninfo"	"shape"	"shiny"
#>	[269]	"slider"	"snow"	"snowfall"	"sourcetools"
#>	[273]	"SparseM"	"SQUAREM"	"StanHeaders"	"stringi"
#>	[277]	"stringr"	"styler"	"sys"	"systemfonts"
#>		"testthat"	"textshaping"	"tibble"	"tidymodels"
#>	[285]	"tidyr"	"tidyselect"	"tidyverse"	"timechange"
#>	[289]	"timeDate"	"tinytex"	"tune"	"tzdb"
#>	[293]	"ucminf"	"urlchecker"	"usethis"	"utf8"
#>	[297]	"uuid"	"V8"	"vctrs"	"viridis"
		"viridisLite"	"vroom"	"waldo"	"warp"
#>	[305]	"whisker"	"whoami"	"withr"	"workflows"
		"workflowsets"	"xfun"	"xm12"	"xmlparsedata"
#>	[313]	"xopen"	"xtable"	"yaml"	"yardstick"
	[317]		"base"	"boot"	"class"
		"cluster"	"codetools"	"compiler"	"datasets"
#>	[325]	"foreign"	"graphics"	"grDevices"	"grid"

#>	[329]	"KernSmooth"	"lattice"	"MASS"	"Matrix"
#>	[333]	"methods"	"mgcv"	"nlme"	"nnet"
#>	[337]	"parallel"	"rpart"	"spatial"	"splines"
#>	[341]	"stats"	"stats4"	"survival"	"tcltk"
#>	[345]	"tools"	"utils"		

References

R Core Team. (2023). R: A language and environment for statistical computing. R Foundation for Statistical Computing. Vienna, Austria. https://www.R-project.org/