

R documentation

of 'man/argument_def.Rd' etc.

November 19, 2024

argument_def	<i>Specify command line argument</i>
--------------	--------------------------------------

Description

Specifies which command line options the script / program is able to accept and the expected properties of each option value.

Usage

```
argument_def(  
  ref,  
  default_val = NULL,  
  required = FALSE,  
  type = "character",  
  nargs = NULL,  
  help = NULL  
)
```

Arguments

ref	character: command line option (prefix '-') or position (no prefix) argument name
default_val	(NULL double integer logical character) (default NULL)
required	logical: whether the argument is required input (default FALSE)
type	character: Type include: character integer double logical, (default character)
nargs	character numeric NULL : * integer: required number of space separated values * "+": at least one argument * default NULL
help	character: documentation to be printed with -help (default NULL)

Value

list with correct key value pairs for parsing

argument_parser	<i>Parse command line arguments</i>
-----------------	-------------------------------------

Description

Parse command line arguments

Usage

```
argument_parser(..., description = NULL)
```

Arguments

... : Each element of the list is the output of the argument_def function
 description character | NULL Description for -help (default NULL)

Value

closure * param character vector A vector of command line arguments, i.e. that returned by commandArgs function, to be used by script. * return list List contains default or input values for each option and argument input to the closures parent function.

parse_r_lang_args	<i>Retreive user specified options from Rscript command line options</i>
-------------------	--

Description

Rscript passes the command line options specified by the user for the script / program and other to options the R language executable. This function finds the options for the desired script / program.

Usage

```
parse_r_lang_args(args)
```

Arguments

args character vector: command line arguments, i.e. returned by commandArgs, that Rscript uses to run a script

Details

The command line arguments to an R program / script launched by Rscript, e.g.

Rscript <script_name.r> -arg1 value -arg2 value for running the R language executable. This function finds the 'script_name.r' string and user defined key / val pairs.

Value

output list: The list contains 2 key value pairs: * program_name = the string that proceeds command line argument '-file=' * args = the list of user defined arguments

process_option	<i>Parse argument character vector for arg with definition arg_def</i>
----------------	--

Description

Parse argument character vector for arg with definition arg_def

Usage

```
process_option(arg_def, args)
```

Arguments

arg_def	list: output from arg_def
args	character vector: The set of arguments to match against arg_def

Value

NA | logical | vector : vector type depends are arg_def specified type

Index

`argument_def`, [1](#)
`argument_parser`, [2](#)
`parse_r_lang_args`, [2](#)
`process_option`, [3](#)