Package 'edm1'

July 11, 2024

Title Set of functions bringing new feature to common functions

Version 2.0.0.0

Description Provides the ability to perform split operation with multiple elements in input and multiple split pattern, a sub operation with multiple replacor patterns for multiple replaced patterns..., match by another element from another vector...

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better_match better_match

Description

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Allow to get the nth element matched in a vector

2 better_split

Usage

```
better_match(inpt_v = c(), ptrn, untl = 1, nvr_here = NA)
```

Arguments

inpt_v is the input vector
ptrn is the pattern to be matched
untl is the maximum number of matched pattern outputed
nvr_here is a value you are sure is not present in inpt_v

Examples

```
print(better_match(inpt_v=c(1:12, 3, 4, 33, 3), ptrn=3, untl=1))
#[1] 3
print(better_match(inpt_v=c(1:12, 3, 4, 33, 3), ptrn=3, untl=5))
#[1] 3 13 16
print(better_match(inpt_v=c(1:12, 3, 4, 33, 3), ptrn=c(3, 4), untl=5))
[1] 3 13 16 4 14
print(better_match(inpt_v=c(1:12, 3, 4, 33, 3), ptrn=c(3, 4), untl=c(1, 5)))
[1] 3 4 14
```

better_split better_split

Description

Allows to split a string by multiple split, returns a vector and not a list.

Usage

```
better_split(inpt, split_v = c())
```

Arguments

inpt is the input character
split_v is the vector containing the splits

better_split_any 3

Examples

```
print(better_split(inpt = "o-u_i", split_v = c("-")))
[1] "o" "u_i"
print(better_split(inpt = "o-u_i", split_v = c("-", "_")))
[1] "o" "u" "i"
```

```
better_split_any better_split_any
```

Description

Allows to split a string by multiple split regardless of their length, returns a vector and not a list. Contrary to better_split, this functions keep the delimiters in the output.

Usage

```
better_split_any(inpt, split_v = c())
```

Arguments

```
inpt is the input character
split_v is the vector containing the splits
```

```
print (better\_split\_any (inpt = "o-u_i", split_v = c("-")))
[1] "o" "-" "u_i"
print(better_split_any(inpt = "o-u_i", split_v = c("-", "_")))
[1] "o" "-" "u" "_" "i"
"/" "m"
"m" "/"
[1] "--"
         "o"
               "__" "_"
                                      "/"
                                            "m"
                                                  "/"
              "-opo-" "/"
[10] "_"
         "_"
                                      "-u"
                                                  "i-"
[19] "_"
         "__"
```

4 better_sub

better_sub better_sub

Description

Allow to perform a sub operation to a given number of matched patterns, see examples

Usage

```
better_sub(inpt_v = c(), pattern, replacement, untl_v = c())
```

Arguments

inpt_v is a vector containing all the elements that contains expressions to be substituted
pattern is the expression that will be substituted
replacement is the expression that will substituate pattern
untl_v is a vector containing, for each element of inpt_v, the number of pattern that will be substituted

```
print(better_sub(inpt_v = c("yes NAME, i will call NAME and NAME",
                            "yes NAME, i will call NAME and NAME"),
                 pattern = "NAME",
                 replacement = "Kevin",
                 untl = c(2))
[1] "yes Kevin, i will call Kevin and NAME"
[2] "yes Kevin, i will call Kevin and NAME"
print(better_sub(inpt_v = c("yes NAME, i will call NAME and NAME",
                            "yes NAME, i will call NAME and NAME"),
                 pattern = "NAME",
                 replacement = "Kevin",
                 unt1 = c(2, 3))
[1] "yes Kevin, i will call Kevin and NAME"
[2] "yes Kevin, i will call Kevin and Kevin"
print(better_sub(inpt_v = c("yes NAME, i will call NAME and NAME",
                             "yes NAME, i will call NAME and NAME"),
                  pattern = "NAME",
                  replacement = "Kevin",
                  untl = c("max", 3)))
[1] "yes Kevin, i will call Kevin and Kevin"
[2] "yes Kevin, i will call Kevin and Kevin"
```

better_sub_mult 5

```
better_sub_mult better_sub_mult
```

Description

Allow to perform a sub_mult operation to a given number of matched patterns, see examples

Usage

```
better_sub_mult(
  inpt_v = c(),
  pattern_v = c(),
  replacement_v = c(),
  untl_v = c()
```

Arguments

6 better_unique

better_unique

better_unique

Description

Returns the element that are not unique from the input vector

Usage

```
better_unique(inpt_v, occu = ">-1-")
```

Arguments

inpt_v

is the input vector containing the elements

occu

is a parameter that specifies the occurence of the elements that must be returned, defaults to ">-1-" it means that the function will return all the elements that are present more than one time in inpt_v. The synthax is the following "comparaison_type-actual_value-". The comparaison type may be "==" or ">" or "<". Occu can also be a vector containing all the occurence that must have the elements to be returned.

grep_all 7

grep_all

grep_all

Description

Allow to perform a grep function on multiple input elements

Usage

```
grep_all(inpt_v, pattern_v)
```

Arguments

```
inpt_v is the input vectors to grep elements from
pattern_v is a vector containing the patterns to grep
```

Examples

grep_all2

grep_all2

Description

Performs the grep_all function with another algorythm, potentially faster

Usage

```
grep_all2(inpt_v, pattern_v)
```

Arguments

```
inpt_v is the input vectors to grep elements from
pattern_v is a vector containing the patterns to grep
```

8 gsub_mult

Examples

gsub_mult

gsub_mult

Description

Performs a gsub operation with n patterns and replacements.

Usage

```
gsub_mult(inpt_v, pattern_v = c(), replacement_v = c())
```

Arguments

inpt_v is a vector containing all the elements that contains expressions to be substituted
pattern_v is a vector containing all the patterns to be substituted in any elements of inpt_v
replacement_v

is a vector containing the expression that are going to substituate those provided by pattern_v

match_by 9

match_by match_by

Description

Allow to match elements by ids, see examples.

Usage

```
match_by(to_match_v = c(), inpt_v = c(), inpt_ids = c())
```

Arguments

inpt_v is the vector containing all the elements to match
inpt_v is the input vector containing all the elements that could contains the elements
to match. Each elements is linked to an element from inpt_ids at any given
index, see examples. So inpt_v and inpt_ids must be the same size
is the vector containing all the ids for the elements in inpt_v. An element is
linked to the id x is both are at the same index. So inpt_v and inpt_ids must be
the same size

Examples

sub_mult

sub_mult

Description

Performs a sub operation with n patterns and replacements.

Usage

```
sub_mult(inpt_v, pattern_v = c(), replacement_v = c())
```

sub_mult

Arguments

is a vector containing the expression that are going to substituate those provided by pattern_v

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