

Package ‘rematch’

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Title Match Regular Expressions with a Nicer 'API'

Version 2.0.0

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Description A small wrapper on 'regexr' to extract the matches and captured groups from the match of a regular expression to a character vector.

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URL <https://github.com/gaborcsardi/rematch>

BugReports <https://github.com/gaborcsardi/rematch/issues>

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Suggests covr, testthat

Encoding UTF-8

NeedsCompilation no

Repository CRAN

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rematch	<i>Match Regular Expressions with a Nicer 'API'</i>
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Description

A small wrapper on 'regexr' to extract the matches and captured groups from the match of a regular expression to a character vector. See [re_match](#).

re_match

*Match a regular expression to a character vector***Description**

This function is a small wrapper on the [regexpr](#) base R function, to provide an API that is easier to use.

Usage

```
re_match(pattern, text, ...)
```

Arguments

pattern	Regular expression, defaults to be a PCRE expression. See regex for more about regular expressions.
text	Character vector.
...	Additional arguments to pass to regexpr .

Details

Currently only the first occurrence of the pattern is used.

Value

A character matrix of the matched (sub)strings. The first column is always the full match. This column is named `.match`. The result of the columns are capture groups, with appropriate column names, if the groups are named.

Examples

```
dates <- c("2016-04-20", "1977-08-08", "not a date", "2016",
          "76-03-02", "2012-06-30", "2015-01-21 19:58")
isodate <- "[0-9]{4}-([0-1][0-9])-([0-3][0-9])"
re_match(text = dates, pattern = isodate)

# The same with named groups
isodaten <- "(?<year>[0-9]{4})-(?<month>[0-1][0-9])-(?<day>[0-3][0-9])"
re_match(text = dates, pattern = isodaten)
```

re_match_all	<i>Extract all matches of a regular expression</i>
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Description

This function is a thin wrapper on the [gregexpr](#) base R function, to provide an API that is easier to use. It is similar to [re_match](#), but extracts all matches, including potentially named capture groups.

Usage

```
re_match_all(pattern, text, ...)
```

Arguments

pattern	Regular expression, defaults to be a PCRE expression. See regex for more about regular expressions.
text	Character vector.
...	Additional arguments to pass to regexpr .

Value

A list of character matrices. Each list element contains the matches of one string in the input character vector. Each matrix has a `.match` column that contains the matching part of the string. Additional columns are added for capture groups. For named capture groups, the columns are named.

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