This package implements a high-performance CommonMark and Github Markdown renderer for R, using the 'cmark' reference implementation. It supports converting markdown text into various formats including HTML, LaTeX, and groff man. The package also exposes the markdown parse tree in XML format and includes opt-in support for GFM extensions such as tables, autolinks, and strikethrough text. The CommonMark specification defines a rationalized version of markdown syntax, ensuring consistent rendering across different platforms and tools.

License: BSD 2-clause + file LICENSE

Suggests: curl, testthat, xml2

RoxygenNote: 6.0.1

NeedsCompilation: yes

Author: Jeroen Ooms [aut, cre]
John MacFarlane [cph] (Author of cmark)

Maintainer: Jeroen Ooms <jeroen@berkeley.edu>

Repository: CRAN

Date/Publication: 2018-12-01 12:30:03 UTC
Parse and render markdown text

**Description**

Converts markdown text to several formats using John MacFarlane’s cmark reference implementation. Supported output formats include html, latex, groff man, and normalized "commonmark" markdown. In addition the markdown parse tree can be returned in xml format.

**Usage**

markdown_html(text, hardbreaks = FALSE, smart = FALSE, normalize = FALSE, sourcepos = FALSE, extensions = FALSE)

markdown_xml(text, hardbreaks = FALSE, smart = FALSE, normalize = FALSE, sourcepos = FALSE, extensions = FALSE)

markdown_man(text, hardbreaks = FALSE, smart = FALSE, normalize = FALSE, width = 0, extensions = FALSE)

markdown_commonmark(text, hardbreaks = FALSE, smart = FALSE, normalize = FALSE, width = 0, extensions = FALSE)

markdown_text(text, hardbreaks = FALSE, smart = FALSE, normalize = FALSE, width = 0, extensions = FALSE)

markdown_latex(text, hardbreaks = FALSE, smart = FALSE, normalize = FALSE, width = 0, extensions = FALSE)

**Arguments**

- **text**  
  Markdown text

- **hardbreaks**  
  Treat newlines as hard line breaks. If this option is specified, hard wrapping is disabled regardless of the value given with `width`.

- **smart**  
  Use smart punctuation. See details.

- **normalize**  
  Consolidate adjacent text nodes.

- **sourcepos**  
  Include source position attribute in output.

- **extensions**  
  Enables Github extensions. Can be TRUE (all) FALSE (none) or a character vector with a subset of available extensions.

- **width**  
  Specify wrap width (default 0 = nowrap).

**Details**

Support for extensions (including tables and autolink) is provided via the Github fork of cmark. For now these are opt-in and have to be enabled with the `extensions` parameter. See also the manual page on extensions.
When smart punctuation is enabled, straight double and single quotes will be rendered as curly quotes, depending on their position. Moreover -- will be rendered as – (en-dash), --- will be rendered as — (em-dash), and ... will be rendered as ... (ellipses).

Examples

```r
md <- readLines("https://raw.githubusercontent.com/yihui/knitr/master/NEWS.md")
html <- markdown_html(md)
xml <- markdown_xml(md)
man <- markdown_man(md)
tex <- markdown_latex(md)
cm <- markdown_commonmark(md)
text <- markdown_text(md)
```

---

**extensions**

Github CommonMark Extensions

**Description**

The Github fork of cmark supports several markdown extensions which provide features which are not (yet) in the official commonmark spec.

**Usage**

```r
list_extensions()
```

**Details**

Currently the following extensions are supported:

- **table** support rendering of tables
- **strikethrough** via `~sometext~` syntax
- **autolink** automatically turn URLs into hyperlinks
- **tagfilter** blacklist html tags: `title textarea style xmp iframe noembed noframes script plaintext`.

See also the spec for GitHub Flavored Markdown.

**Examples**

```r
print(list_extensions())
```
Index

commonmark, 2
extensions, 2, 3
list_extensions (extensions), 3
markdown (commonmark), 2
markdown_commonmark (commonmark), 2
markdown_html (commonmark), 2
markdown_latex (commonmark), 2
markdown_man (commonmark), 2
markdown_text (commonmark), 2
markdown_xml (commonmark), 2