Package ‘commonmark’

January 30, 2024

Type Package
Title High Performance CommonMark and Github Markdown Rendering in R
Version 1.9.1
URL https://docs.ropensci.org/commonmark/
  https://r-lib.r-universe.dev/commonmark
  https://github.github.com/gfm/ (spec)
BugReports https://github.com/r-lib/commonmark/issues
Description The CommonMark specification defines a rationalized version of markdown syntax. This package uses the ‘cmark’ reference implementation for converting markdown text into various formats including html, latex and groff man. In addition it exposes the markdown parse tree in xml format. Also includes opt-in support for GFM extensions including tables, autolinks, and strikethrough text.
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Suggests curl, testthat, xml2
RoxygenNote 7.2.3
Language en-US
Encoding UTF-8
NeedsCompilation yes
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Repository CRAN
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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,
  footnotes = FALSE,
  extensions = FALSE
)

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

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

markdown_commonmark(
  text,
  hardbreaks = FALSE,
  smart = FALSE,
  normalize = FALSE,
  footnotes = FALSE,
Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>text</td>
<td>Markdown text</td>
</tr>
<tr>
<td>hardbreaks</td>
<td>Treat newlines as hard line breaks. If this option is specified, hard wrapping is disabled regardless of the value given with width.</td>
</tr>
<tr>
<td>smart</td>
<td>Use smart punctuation. See details.</td>
</tr>
<tr>
<td>normalize</td>
<td>Consolidate adjacent text nodes.</td>
</tr>
<tr>
<td>sourcepos</td>
<td>Include source position attribute in output.</td>
</tr>
<tr>
<td>footnotes</td>
<td>parse footnotes</td>
</tr>
<tr>
<td>extensions</td>
<td>Enables Github extensions. Can be TRUE (all) FALSE (none) or a character vector with a subset of available extensions.</td>
</tr>
<tr>
<td>width</td>
<td>Specify wrap width (default 0 = nowrap).</td>
</tr>
</tbody>
</table>

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)
```

---

<table>
<thead>
<tr>
<th>extensions</th>
<th>Github CommonMark Extensions</th>
</tr>
</thead>
</table>

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: [gfm-spec section 4.10](#)
- **strikethrough** via `~sometext~` syntax: [gfm-spec section 6.5](#)
- **autolink** automatically turn URLs into hyperlinks: [gfm-spec section 6.9](#)
- **tagfilter** blacklist html tags: title textarea style xmp iframe noembed noframes script plaintext: [gfm-spec section 6.11](#)
- **tasklist** turns certain list items into checkboxes: [gfm-spec section 5.3](#)

See the full spec for [GitHub Flavored Markdown](#).

Examples

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