CSV Tables in Markdown: Pandoc Filter for CSV Tables

This allows CSV tables, optionally containing markdown syntax (enabled by default), to be put in markdown as a fenced code blocks.

Example

This won't work on GitHub's markdown rendering. See the README in GitHub-pages.

````
```table
---
caption: '*Awesome* **Markdown** Table'
alignment: RC
table-width: 0.7
---
First row,defaulted to be header row,can be disabled
1,cell can contain **markdown**,"It can be aribrary block element:

- following standard markdown syntax
- like this"
2,"Any markdown syntax, e.g.",$$E = mc^2$$
```
````

becomes

Table 1: *Awesome* **Markdown** Table

First row	defaulted to be header row	can be disabled
1	cell can contain **markdown**	It can be aribrary block element: • following standard markdown syntax • like this
2	Any markdown syntax, e.g.	$E = mc^2$

Install and Use

Install:

```
pip install -U pantable
```

Use:

```
pandoc -F pantable -o README.html README.md
```

Syntax

Fenced code blocks is used, with a class `table`. See Example.

Optionally, YAML metadata block can be used within the fenced code block, following standard pandoc YAML metadata block syntax. 7 metadata keys are recognized:

- `caption`: the caption of the table. If omitted, no caption will be inserted. Default: disabled.

- `alignment`: a string of characters among `L,R,C,D`, case-insensitive, corresponds to Left-aligned, Right-aligned, Center-aligned, Default-aligned respectively. e.g. `LCRD` for a table with 4 columns. Default: `DDD...`

- `width`: a list of relative width corresponding to the width of each columns. e.g.

  ```
  - width
      - 0.1
      - 0.2
      - 0.3
      - 0.4
  ```

  Default: auto calculated from the length of each line in table cells.

- `table-width`: the relative width of the table (e.g. relative to `\linewidth`). default: 1.0

- `header`: If it has a header row or not. True/False/yes/NO are accepted, case-insensitive. default: True

- `markdown`: If CSV table cell contains markdown syntax or not. Same as above. Default: True

- `include`: the path to an CSV file, can be relative/absolute. If non-empty, override the CSV in the CodeBlock. default: None

When the metadata keys is invalid, the default will be used instead.

Related Filters

The followings are pandoc filters written in Haskell that provide similar functionality. This filter is born after testing with theirs.

- baig/pandoc-csv2table: A Pandoc filter that renders CSV as Pandoc Markdown Tables.
- mb21/pandoc-placetable: Pandoc filter to include CSV data (from file or URL)
- panflute/csv-tables.py at 1ddcaba019b26f41f8c4f6f66a8c6540a9c5f31a · sergiocorreia/panflute

	pandoc-csv2table	pandoc-placetable	panflute example	my proposal
type	type=simple|multiline|grid|pipe			
caption	caption	caption	title	caption
aligns	aligns=LRCD	aligns=LRCD		alignment: LRCD
width		widths="0.5 0.2 0.3"		width: [0.5, 0.2, 0.3]
table-width				table-width: 1.0
header	header=yes|no	header=yes|no	header: True|False	header: True|False|yes|NO
markdown		inlinemarkdown		markdown: True|False|YES|no
source	source	file	source	include
others		delimiter quotechar id (wrapped by div)		