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1 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.

2 Example

This won't work on GitHub's markdown rendering nor PyPI. See the README in [GitHub-pages](#). There's a [LaTeX output](#) too.

```
```table

caption: '*Awesome* **Markdown** Table'
alignment: RC
table-width: 0.7
markdown: True

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 arbitrary block
element: <ul style="list-style-type: none"> • following standard
markdown syntax • like this |
| 2 | Any markdown syntax,
e.g. | $E = mc^2$ |

3 Install and Use

Install:

```
pip install -U pantable
```

Use:

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

4 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: False
- **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.

5 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)
- [sergiocorreia/panflute/csv-tables.py](#)

| | pandoc-csv2table | pandoc-placetable | panflute example | pantable |
|-------------|---|---|----------------------|---|
| caption | caption | caption | title | caption |
| aligns | aligns = LRCD | aligns = LRCD | | aligns = 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 | type = simple multiline grid pipe | delimiter
quotechar
id (wrapped by div) | | |
| Notes | | | | width are auto-calculated when width is not specified |