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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
---
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<br>row | defaulted to be<br>header row       | can be disabled                                                                                                                                       |
|--------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1            | cell can contain<br><b>markdown</b> | It can be arbitrary block<br>element: <ul style="list-style-type: none"> <li>• following standard<br/>markdown syntax</li> <li>• like this</li> </ul> |
| 2            | Any markdown<br>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: 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.

## 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)
- [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            |                    |                             |

|                  |                                     |                     |             |
|------------------|-------------------------------------|---------------------|-------------|
|                  |                                     |                     |             |
| pandoc-csv2table | pandoc-<br>placetable               | panflute<br>example | my proposal |
|                  | quotechar<br>id (wrapped<br>by div) |                     |             |