

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 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
row | defaulted to be
header row | can be disabled |
|--------------|-------------------------------------|---|
| 1 | cell can contain
markdown | It can be aribrary block
element: <ul style="list-style-type: none">• 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: 1.0 |
| table-width | | | | |
| 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) | | |