

Pandoc Filter to Insert Arbitrary Complex Tables

Outputs: Web Page¹ / LaTeX² / PDF³ / Overleaf⁴

Dependencies

Make sure you have Pandoc and pandoc-crossref⁵ installed (callable from cmd). In addition, Python 3 and pandocfilters⁶ are required:

```
pip install pandocfilters
```

Usage

Write your complex tables in HTML in `tables.html` and in LaTeX in `tables.tex`. <https://tablesgenerator.com> is a good resource for constructing complex tables. To insert the right tables into the output HTML/LaTeX document, use the syntax `<COMMENT> tbl:table-id <COMMENT>` to mark the beginning and `<COMMENT> END <COMMENT>` to mark the end of the table definition in `tables.html` and `tables.tex`. `<COMMENT>` corresponds to `%` in LaTeX and `<!--` (opening) `-->` (closing) in HTML. `tbl:table-id` is the identifier of the table used for cross-referencing in the markdown source. Refer to pandoc-crossref⁷'s syntax for details.

To compile the documents, apply the filter `custom-table.py` **AFTER** `pandoc--crossref` in the command line.

```
pandoc -F pandoc-crossref -F custom-table.py README.md -o README.tex
pandoc -F pandoc-crossref -F custom-table.py README.md -o README.html
```

Example

See tbl. 1.

¹<https://yongfu.name/pandoc-filter/>

²<https://yongfu.name/pandoc-filter/README.tex>

³<https://yongfu.name/pandoc-filter/README.pdf>

⁴https://www.overleaf.com/docs?snip_uri=https://yongfu.name/pandoc-filter/README.tex&engine=xelatex

⁵<https://github.com/lierdakil/pandoc-crossref>

⁶<https://github.com/jgm/pandocfilters>

⁷<https://github.com/lierdakil/pandoc-crossref>

Table 1: This is a *complex table*, **written** in `tables.tex` and `tables.html`.

Column Span				
Row Span	a	b	d	f
	c	d	e	g

Table 2: This is a normal table written in markdown, which will not be replaced.

Column A	Column B
A1	B1
A2	B2