

# Bibmark

Bibmark contains two python scripts to simplify working with markdown files, pandoc and bibtex references for academic writing.

`crop_bibtex_file.py` is used to crop bibtex files to contain only the references that are cited in a markdown file.

`generate_docs_from_md.py` scans the current working dir and a subdir `/refs` for markdown and bibtex files, crops the bibtex files and calls pandoc to generate `.pdf` `.odt` and `.docx` documents from the markdown files.

These scripts are useful if you have a large several MB bibtex library like me and wish to generate smaller bibtex files to distribute with a markdown document. Cropping bibtex files also avoid problems with duplicate references in bibtex files (hello Mendeley) and speeds up processing markdown files with bibliographies. `crop_bibtex_file.py` also removes abstract and annotate items from bibtex references, which sometimes cause problems with pandoc.

## Requirements

- python: <https://www.python.org/>
- pandoc: <http://johnmacfarlane.net/pandoc/>

## Example usage

For example, we would like to include Einstein's relativity papers (Einstein 1905; Einstein 1916) in our bibliography, but not his other papers that are located in the `/refs/Einsteins_refs.bib` bibtex file.

To crop the bibtex file, run:

```
>>> python crop_bibtex_file.py -s
```

or manually specify the location of this readme file and the bibtex file using

```
>>> python crop_bibtex_file.py readme.md refs/Einsteins_refs.bib
```

To use pandoc to create a pdf document including a nice bibliography run:

```
>>> pandoc readme.md -o readme.pdf --bibliography=refs/Einstein_refs_cropped_for_readme.bib --csl rvmp.
```

The `-csl` command specifies a citation style. Citation style files can be found in many places, for example in Zotero's style repository: [www.zotero.org/styles](http://www.zotero.org/styles)

You can also automate the entire process by running:

```
>>> python generate_docs_from_md.py
```

This will automatically search for markdown files in the current working directory and bibtex files in the directory `refs`, crop all bibtex files and generate pdf, odt and docx output.

See the included `readme.pdf`, `readme.odt` or `readme.docx` files to check how this readme file looks with a bibliography.

## License

GPL v3 (<http://www.gnu.org/copyleft/gpl.html>)

Elco Luijendijk, june 2014

## References

Einstein, Albert, 1905, “Ist Die Trägheit Eines Körpers von Seinem Energieinhalt Abhängig?” *Annalen der Physik* **323** (WILEY-VCH Verlag), 639–641. <http://dx.doi.org/10.1002/andp.19053231314>.

———, 1916, “Die Grundlage Der Allgemeinen Relativitätstheorie,” *Annalen der Physik* **354** (Wiley Online Library), 769–822.