

Bibliography and Cross references

Tools for writing science

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Bibliographic References

There are *hundreds* of citation styles

Life is too short to sort references *manually*

There are many tools to manage your references

Pandoc can do it for you

References are stored in a separate text file, in BiBTeX format

BiBTeX format

```
@book{RyderCarroll3260,  
  title = "The Bullet Journal Method: Track Your Past, Order Your Present,  
    Plan Your Future",  
  author = "Ryder Carroll",  
  calibreid = "3260",  
  year = "2018",  
  month = "Oct",  
  publisher = "HarperCollins Publishers" }  
  
@article{Annesley2010c,  
  author = {Annesley, Thomas M.},  
  doi = {10.1373/clinchem.2010.150060},  
  issn = {00099147},  
  journal = {Clinical Chemistry},  
  number = {8},
```

Citations in the text

- [@RyderCarroll13260] *becomes* (Carroll 2018)
- [@RyderCarroll13260, pp. 33–35, 38–39]
becomes (Carroll 2018, 33–35, 38–39).
- [@RyderCarroll13260; @Annesley2010c] *becomes*
(Carroll 2018; Annesley 2010).
- @RyderCarroll13260 [p. 33] *says ... becomes*
Carroll (2018, 33) *says ...*

What goes in the BibTeX file?

- **article:** any article published in a journal or magazine
- **book:** a book
- **inbook:** a section or chapter in a book
- **conference:** a conference paper
- **proceedings:** the whole conference proceedings
- **inproceedings:** a conference paper (same as the conference entry type)
- **online:** a webpage
- **misc:** used if nothing else fits

Other BiBTeX items

- **masterthesis:** a Masters thesis
- **phdthesis:** a PhD thesis
- **booklet:** like a book but without a designated publisher
- **incollection:** an article in a collection
- **manual:** a technical manual
- **techreport:** a technical report, government report or white paper
- **unpublished:** a work that has not yet been officially published

How to make your BibTeX file

- Use a good *Reference Management Software*
 - Mendeley
 - Zotero
- Google Scholar
- Google Books
- OttoBib for books
- BiBTeX.com
- Chrome Browser extensions:
 - BibTeX entry from URL
- Manually

Telling *pandoc* to manage references

We need two things

- tell pandoc to handle citations
- tell pandoc where are the citations

```
pandoc --citeproc --bibliography=references.bib input.md -o output.pdf
```

Making BiBTeX files

Many tools can create BiBTeX files for you

- Zotero
- Mendeley
- Webpage of the paper
- <https://www.bibtex.com/>

Numbering Figures and Tables

This is done with a *pandoc filter* (a “plug-in”) that must be specified before `--citeproc`

```
pandoc --filter=pandoc-xnos --citeproc example.md -o example.html
```

- Add `#fig:XX` and `#tbl:XX` attributes
- *XX* must be any word. It is the *id*
- Think about Twitter *hash tags*

Cross references

Using the same syntax as citations

- Use `@fig:XX` and `@tbl:XX` to add the references
- Think about Twitter *mentions*
- Add `xnos-cleveref: true` to metadata and write less
- Add `xnos-capitalise: true` to metadata and get uppercase

Number sections

```
pandoc --filter=pandoc-crossref --citeproc --number-sections example.md -o  
example.html
```

- Add `#sec:XX` to section headers
- Add `xnos-number-by-section: true` to metadata
- Reference sections using `@sec:XX`

References

Annesley, Thomas M. 2010. “Put your best figure forward: Line graphs and scattergrams.” *Clinical Chemistry* 56 (8): 1229–33.

<https://doi.org/10.1373/clinchem.2010.150060>.

Carroll, Ryder. 2018. *The Bullet Journal Method: Track Your Past, Order Your Present, Plan Your Future*. HarperCollins Publishers.