

BibT_EX for linguists

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March 12, 2012

What BibT_EX does

- ▶ Separates bibliography from text.
- ▶ Separates style from content
- ▶ Tell BibT_EX the author, title, etc.
- ▶ Then let it do the formatting when you switch between MLA, APA, etc.
- ▶ Author-year citations.

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Your .bib file

- ▶ Create a blank plain text file with a *.bib* extension, like *mytest.bib*
- ▶ Save it somewhere where \LaTeX can find it. (Create these directories if you need to.)
 - ▶ texlive is usually under $\sim/\text{texmf}/\text{bibtex}/\text{bib}$
 - ▶ Mik \TeX is usually under $c:\text{texmf}/\text{bibtex}/\text{bib}$
 - ▶ Mac \TeX is usually under $\sim/\text{Library}/\text{texmf}/\text{bibtex}/\text{bib}$

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What goes in a .bib file?

- ▶ Google Scholar fieldtrip time!
- ▶ Go to scholar.google.com and click 'Preferences'.
- ▶ At the bottom, choose to output references in Bib $\text{T}_\text{E}\text{X}$ format.
- ▶ Keep in mind, they aren't always correct, so double-check it against your source.

What goes in a .bib file?

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BibT_EX entries

```
@TYPE{id_key,  
  key = {value},  
  key = {value},  
  key = {value}  
}
```

BibT_EX entries

- ▶ article
- ▶ (in)book
- ▶ incollection
- ▶ (in)proceedings
- ▶ mastersthesis
- ▶ phdthesis
- ▶ unpublished
- ▶ misc

BibT_EX entries

- ▶ Choose memorable `id_keys`
- ▶ `{C}apitalize {T}itles {L}ike {T}his` or `{Like} {This}`
- ▶ `Last1, First1` and `von Last2, First2`
- ▶ `page--page`
- ▶ Commas and formatting are important. Order usually isn't.
- ▶ Some fields may be required or optional, depending on the type. (Google “bibtex article”, “bibtex book”, etc. to find the correct format.)

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Let's make a document!

```
\documentclass{article}%  
\bibliographystyle{plain}%  
  
\begin{document}  
Some words were said \cite{KEY}.  
\bibliography{mytest}  
\end{document}
```

And the magic...

- ▶ `(pdf)latex (test.tex)`
- ▶ `bibtex (test.aux)`
- ▶ `(pdf)latex (test.tex)`
- ▶ `(pdf)latex (test.tex)`

Problems?

- ▶ The original BibT_EX styles are not pretty.
- ▶ Most journals have a style sheet you can download.
- ▶ Find yourself a popular one (linquiry2.bst, sp.bst).
- ▶ (You can also create your own with the `custom-bib` package. We will not do that here.)
- ▶ Save it under `$TEXMF/bibtex/bst/`

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```
\documentclass{article}%  
\bibliographystyle{linquiry2}%  
  
\begin{document}  
Some words were said \cite{KEY}.  
\bibliography{mytest}  
\end{document}
```


Problems?

- ▶ Still ugly.
- ▶ Linguists like author-year citations.
- ▶ These are handled through the `natbib` package.
- ▶ In fact, `linquiry2` and `sp` assume you have `natbib` loaded. So, your bibliography will get prettier once we add author-year capability.
- ▶ `natbib` redefines the `\cite` macro, so use `\citep` or `\citet`!

Let's make a document!

```
\documentclass{article}%  
\usepackage[longnamesfirst]{natbib}%  
\bibliographystyle{linquiry2}%  
\setcitestyle{authoryear,round,semicolon,%  
aysep={},yysep=,{,},notesep={:}}  
\begin{document}  
Some words were said \citep{KEY}.  
  
\bibliography{mytest}  
\end{document}
```

natbib citations

<code>\citet{jon90}</code>	Jones et al. (1990)
<code>\citet[314]{jon90}</code>	Jones et al. (1990, 314)
<code>\citep{jon90}</code>	(Jones et al., 1990)
<code>\citep[314]{jon90}</code>	(Jones et al., 1990, 314)
<code>\citep[see][]{jon90}</code>	(see Jones et al., 1990)
<code>\citep[see][314]{jon90}</code>	(see Jones et al., 1990, 314)
<code>\citet*{jon90}</code>	Jones, Baker, and Williams (1990)
<code>\citep*{jon90}</code>	(Jones, Baker, and Williams, 1990)

Loose ends

- ▶ It's easiest to keep one giant .bib file.
- ▶ But it gets hard to manage.
- ▶ You can use a program like JabRef (multiplatform) or BibDesk (Mac OS) to help you stay organized. You can also tag items with keywords (“Algonquian”, “General”, “OT”).

Further resources

- ▶ natbib **documentation** (<http://mirrors.ctan.org/macros/latex/contrib/natbib/natbib.pdf>)
- ▶ **JabRef** (jabref.sourceforge.net/)
- ▶ **BibDesk** (bibdesk.sourceforge.net/)
- ▶ **Format your .bib file**
 - ▶ www.cs.arizona.edu/~collberg/Teaching/07.231/BibTeX/bibtex.html
 - ▶ bibdesk.sourceforge.net/manual/BibDesk%20Help_2.html
- ▶ **BibT_EXing (original documentation)**
 - ▶ www.ctan.org/tex-archive/biblio/bibtex/contrib/doc/btxdoc.pdf