

Writing Papers with LaTeX

Video URL: <https://youtu.be/FwrPcJwIbgU>

Goal: Setup LaTeX environment [00:59]

- Download the paper template (<https://github.com/human-se/essay-latex-template>) [01:04]
- Install JabRef (<http://www.jabref.org/>) [02:28]
- Two possible approaches to LaTeX: [03:00]
 - Web-based environment:
 - Sign up for ShareLaTeX (<https://www.sharelatex.com/>) [04:22]
 - Desktop-based environment:
 - macOS: I recommend TeXShop (<http://pages.uoregon.edu/koch/texshop/>)
 - Requires MacTeX (see “Obtaining” instructions)
 - Windows: I recommend MiKTeX (<https://miktex.org/>)
 - Comes with the TeXworks environment
 - Linux: Your distro probably has a “texlive” package

Goal: Add bibliography citations with JabRef [04:48]

- Open refs.bib file in JabRef [05:00]
- Copy BibTeX code from the web [06:16]
 - See: <https://scholar.google.com/>
 - See also: <https://ezproxy.memphis.edu:3443/login?url=http://scholar.google.com/>
- Create new entry in JabRef that matches the type of the copied BibTeX [09:09]
- Paste into “BibTeX source” in JabRef [09:30]
- Manually fix/tweak using other JabRef fields [09:41]
- Add PDF and link entries to them [11:28]

Goal: Setup code skeleton in ShareLaTeX [14:42]

- Create a new project
- Upload the LaTeX/BibTeX source from the template
- Recompile

Goal: Download LaTeX code and PDF [17:41]

- Click the “Menu” icon (looks like a hamburger in the upper left)
- Under “Download” select “Source” or “PDF”

Goal: Basic editing of LaTeX document [18:38]

- Customize title area [19:23]
- Add sections and subsections [24:53]
- Add paragraphs with “intent” comments [26:17]
- Turn intent comments on and off [33:24]
- Cite sources [34:33]
- Cross-reference sections [37:11]
- Emphasize text [39:20]
- Add figures copied from a paper [40:10]
- Add table copied from a paper [46:46]