RECOMMENDED LATEX PACKAGES¹

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'Inspired by Alan Munn's document A one page, dictatorial guide to LATEX packages. This document was typeset using the tufte-handout document class included in tufte-latex.

AN OPINIONATED, SINGLE PAGE GUIDE to the most useful LATEX packages from the point of view of a graduate student in linguistics – as such, my choices are shaped by the demands of typesetting articles, handouts and presentations in my field. A little about my set-up: I edit . tex files in spacemacs (an evil-centered emacs distribution) using the LATEX layer, which incorporates a number of extremely useful editing tools, including AUCTEX and RefTeX. There's a little bit of a learning curve, but I highly recommend it over dedicated LATEX editors/IDEs.

1 General use

- microtype makes microtypographical adjustments.
 Declare this package in your preamble and forget about it
- TikZ is an absolutely essential package for generating vector graphics. Many of the other packages listed here use TikZ.
- todonotes provides visually appealing to-do notes using TikZ. Especially useful for collaborating on a LATEX document.
- biblatex handles the bibliography and citations. Use
 this with the biber backend for the more advanced features. I use the biblatex-sp-unified style, which is
 an excellent implementation of the Unified Style Sheet
 for Linguistics Journals.

Alternatives: bibtex

• mdframed is a flexible package for drawing frames around text. Especially useful for handouts.

2 Linguistics

- forest is an extremely powerful package for drawing tree diagrams using TikZ. Pass the optional argument linguistics to use the built-in linguistics library, which includes a dedicated style for typesetting government phonology trees(!). I've also found this package handy for typesetting Hasse diagrams.

 Alternatives: pst-jtree, tikz-qtree, qtree
- expex is a full-featured package for numbered examples and glosses.

Alternatives: philex, gb4e, linguex

- ot-tableau is package for type-setting Optimality Theory tableau.
- stmaryrd provides the brackets used for the denotation function in formal semantics [and] (\\$11bracket and \\$rrbracket). The brackets are defined as delimiters, which means that \left and \right can be used to, e.g., wrap the denotation brackets around a tree typeset using forest!
- fontspec is a package for XHATEX/LuaTEX for loading opentype fonts. As long as you have a unicode IPA font installed on your system (such as Doulos SIL), this allows you to enter IPA symbols as unicode characters directly into your document.

3 Presentations

- beamertheme-metropolis provides a minimalist beamer theme that makes it look less ugly. You need XqLATEX or LuaTEX for full functionality.
- beamerposter is a package for constructing posters using the beamer style operations.
 Alternatives: tikzposter

4 Theses

• classicthesis is a beautiful thesis template, but not recommended for beginners. See also arsclassica which makes additional typographical adjustments to the classicthesis base.

Alternatives: memoir, srcreprt