

# 1 R Installation Instructions

1. Download R from <http://cran.r-project.org/mirrors.html>.<sup>1</sup>
2. Once you've picked a mirror download R for your operating system.
3. When it's done downloading, install R.
4. (Optional) Download and install the most recent version of RStudio Desktop from <http://www.rstudio.com/products/rstudio/download/>.<sup>2</sup>
  - Make sure you install R before RStudio. Not doing so could potentially cause issues.

# 2 L<sup>A</sup>T<sub>E</sub>X Installation Instructions

LaTeX is a powerful document preparation system. It allows you to output high-quality and customizable pdf documents. L<sup>A</sup>T<sub>E</sub>X is a document markup language, meaning that it consists of syntax that specifies to the program how the document is to be formatted - that is, typesetting instructions. More common examples of markup languages are HTML and XML. Markup embedded in a L<sup>A</sup>T<sub>E</sub>X document conveys formatting and processing specifications to the T<sub>E</sub>X engine. It then allows you to output fancy PDFs like this one (and just about everything else used in the Prefresher)

To begin using L<sup>A</sup>T<sub>E</sub>X you need to things:

- L<sup>A</sup>T<sub>E</sub>X front end or text editor to write a .tex file
- L<sup>A</sup>T<sub>E</sub>X compiler that processes the T<sub>E</sub>X code you've written and outputs the document you want

**Windows** users:

- Compiler: MiKTeX
- Some editors: Texmaker , TeXnic Center , LyX. <sup>3</sup>

**Mac** users:

- Compiler: MacTeX
- Some editors: TeXShop , Aquamacs , Texmaker , TextWrangler , Latexian

---

<sup>1</sup>It doesn't really matter which mirror you use.

<sup>2</sup>RStudio is, in my opinion, the best IDE (integrated development environment) for R. It allows you to simultaneously see your R Console, multiple scripts of code, all the objects in your workspace, your working directory, plots, installed packages, and help files. You don't need RStudio (or any IDE) to run R, but it makes your life a lot easier.

<sup>3</sup>Windows users: only download the installer (not the bundle) since you've already downloaded MiKTeX