

# Build up Latex in Atom: packages and tips

Michael

April, 2019

## 1 Introduction

At the very beginning, it takes me a while to build up the collective IDE for Python, R, LaTeX in Atom. This document records the procedure to do this. I will collect the common problems any one might encounter when using Atom to write a paper or do a project with Python, R and LaTeX.

## 2 Packages for LaTeX in Atom

To build up IDE for LaTeX in Atom, you need the following packages:

- `atom-latex`: type LaTeX code and compile in Atom
- `language-latex`: syntax highlighting
- `latex-autocomplete`: LaTeX code autocomplete
- `linter-spell-lates`: spell checking
- `pdf-view`: view pdf in Atom

## 3 Tips for LaTeX in Atom

During setting up my LaTeX environment in Atom, I had several main problems which annoyed me. The first one is the spell-check does not work at the very beginning. To solve this problem, you need add the source file into the Grammars of `spell-check` package. To check your source file, follow those steps:

1. use `command-shift-p` to open the command window
2. Then type `Editor:Log Cursor Scope` there, your file source will show up
3. Copy the source format, such as `text.tex.latex`, paste it into `Grammars`

**Warning:** in order to make sure the spell-check works, you need make sure the file grammar you are using is 'LaTeX'. Otherwise, the spell-check will not work.

To make the compiling clean and organized, you also need set the deleting file behaviors in preference part.

4 Tips for Python in Atom

5 Tips for R in Atom