

R markdown prep for PC and Mac

LaTeX is a high-quality typesetting system; it includes features designed for the production of technical and scientific documentation. LaTeX is the de facto standard for the communication and publication of scientific documents.

You will need to install a few things. One thing is that you need to install a working version of LaTeX. This is so we can create a PDF of output in RStudio. Without a version of LaTeX, we cannot output to PDF, just html and Word (as long as you have a working version of Word on your computer).

First thing you need to do is install LaTeX; MiKTeX for PC or MacTeX for Mac.

MiKTeX for PC links:

[32-bit](#)

[64-bit](#)

MacTeX for Mac links:

[MacTeX link](#)

Then you will have to install the packages rmarkdown and markdown

```
install.packages("markdown")
install.packages("rmarkdown")
library(markdown)
library(rmarkdown)
```

The first thing when creating a markdown document is to open a new one. Click File, New File, and choose R Markdown. A window will open and you will need to input a title (you can change it later so don't worry you're stuck with it), you can choose what kind of document to make as well as the type of output file (PDF, Word or html). For this class, we will create Documents of PDF or Word.

You can insert symbols (like Greek letters, characters, etc.), you can show R code, you can run R code. . . there are many things that can be accomplished in R markdown. If you are familiar with LaTeX, you will find that most LaTeX commands and code work in markdown (most but not all). If you are not familiar with LaTeX, then no worries – I'll give examples for what we need to do in class. If all else fails, just search for the command or code you want to use.