

This site has plenty on using LaTeX in R Markdown:

- <http://www.stat.cmu.edu/~cshalizi/rmarkdown/#math-in-r-markdown>

Mathematical displays are marked off with `\[` and `\]`, as in

```
\[
e^{i \pi} = -1
\]
```

$$e^{i\pi} = -1$$

Note: seems like just typing the LaTeX into the doc works too, but these fences allow it to display live (with a hover) instead of having to wait for a knit. Unfortunately seems like the brackets show up sometimes, or cause a failure when knitting to pdf; maybe set that up while writing, then delete the fences before knitting?

In class we learned `\begin{align*}` but this page shows `\begin{eqnarray}` which seems equivalent? `align*` gets rid of equation numbers on the right hand side.

#### 1. **this is bold text**

$$A = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{bmatrix}$$

$$B = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} \quad (\text{first line})$$

#### 2. **this is more bold text** this is some regular text

$$A = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} \quad (1)$$

$$B = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} \quad (\text{first line}) \quad (2)$$

Here's a site with info on PDFs from R Markdown using Pandoc:

- [http://rmarkdown.rstudio.com/pdf\\_document\\_format.html](http://rmarkdown.rstudio.com/pdf_document_format.html)