A really reproducible paper

In the beginning we want to import stuff. That might be stuff we want to hide.

Maybe a comment at the top would be enough?

```
# hide
import matplotlib.pyplot as plt
import numpy as np
%matplotlib inline
```

/home/travis/miniconda/lib/python3.5/site-packages/matplotlib/font_manager.py:273: UserWarning: Matplotlib is building the font cache using fc-list. This may take a moment. warnings.warn('Matplotlib is building the font cache using fc-list. This may take a moment.') /home/travis/miniconda/lib/python3.5/site-packages/matplotlib/font_manager.py:273: UserWarning: Matplotlib is building the font cache using fc-list. This may take a moment. warnings.warn('Matplotlib is building the font cache using fc-list. This may take a moment.')

Sometimes we want to write long blocks of text in our text editor.

For example, we might want to write a long introduction:

Next let's put a figure in. Let's assume we want to write out this code:

```
t = np.arange(np.pi/100, 2 * np.pi, np.pi/100)
plt.plot(np.sin(t))
```
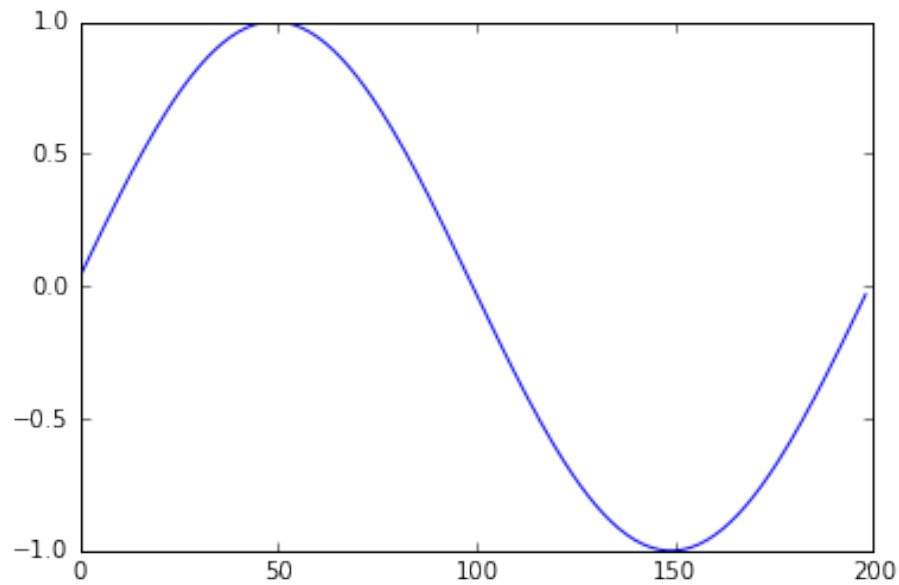

Figure 1:

Sometimes I want to write equations (and cross-reference them: 1)

I wonder what we need to do about references (Rokem et al. 2015), to get a bibliography out of this

$$f(k) = \binom{n}{k} p^k (1 - p)^{n-k} \tag{1}$$

Rokem, A., J. D. Yeatman, F. Pestilli, K. N. Kay, A. Mezer, S. van der Walt, and B. A. Wandell. 2015. "Evaluating the accuracy of diffusion MRI models in white matter." *PLoS ONE* 10 (4): e0123272.