# 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.  warn-
ings.warn('Matplotlib is building the font cache using fc-list. This may take a
moment.')

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))
```
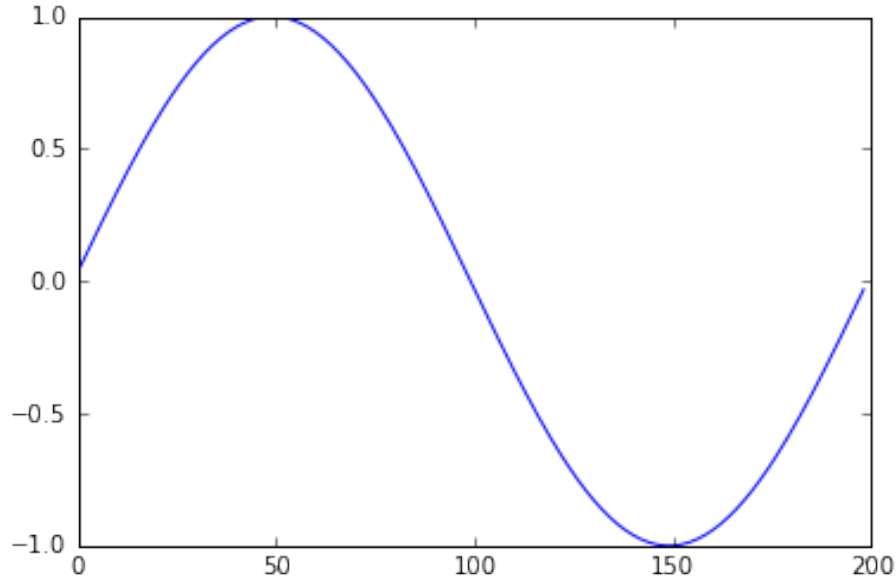


Figure 1:

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

1

$$S = S_0 e^{-bD}$$

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

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.