

Notes on Chapter 11 - Plotting and More about Classes

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A curated list of important points for my reference.

1. In many programming languages presenting visual data is too hard. Fortunately, it is simple to do in python.
2. **PyLab** is a python standard library module that provides many of the facilities of MATLAB(a high level technical computing language)
3. General workflow

```
pylab.figure(1)
pylab.plot([x axis val],[y axis val])
pylab.show()
```

4. The letters and symbols of the format string are derived from those used in MATLAB, and are composed of a color indicator followed by an optional line-style indicator
The default format string is '-b;', which produces a solid blue line. To plot the growth in principal with black circles, one would replace by *pylab.plot(values)* by *pylab.plot(values,'ko')*.
5. It is also possible to change the default values, which are known as 'rc settings' (the name 'rc' is derived from the .rc file extension used for runtime configuration files in Unix). These values are stored in a dictionary like variable that can be accessed via the name *pylab.rcParams['lines.linewidth']=6*

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