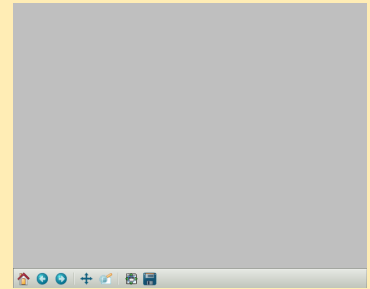


Matplotlib Graphics Elements

1. The Figure

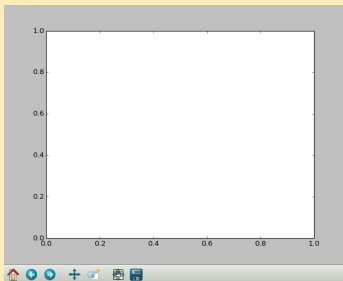
Use this like a piece of paper. You need it to draw on.

```
fig = plt.figure()  
plt.show()
```



2. The Axes

Draw these on the figure as a framework for the plot.



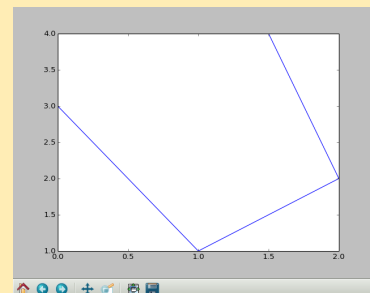
```
ax = plt.axes()  
plt.show()
```



3. The Plot

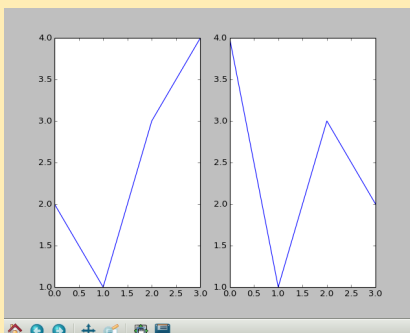
Choose the plot type to display your data.

```
ax = plt.axes()  
ax.plot([0, 1, 2, 1.5], [3, 1, 2, 4])  
plt.show()
```



4. Subplots

Choose how many plots you would like on one figure, and how you would like them positioned.



```
ax_left = plt.subplot(1, 2, 1)  
plt.plot([2, 1, 3, 4])  
ax_right = plt.subplot(1, 2, 2)  
plt.plot([4, 1, 3, 2])  
plt.show()
```