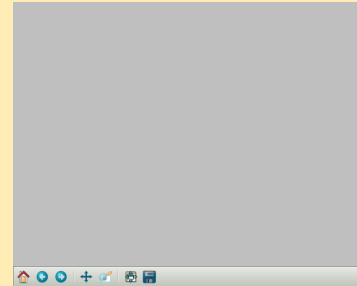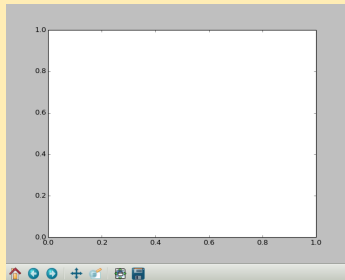# Matplotlib Graphics Elements

1. The Figure

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

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

2. The Axes

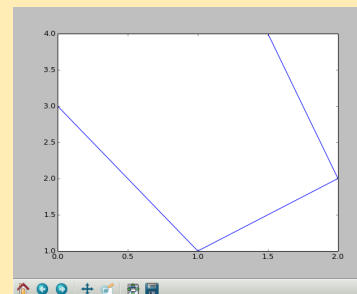Draw these on the figure as a framework for the plot.

```
ax = plt.axes()
plt.show()
```
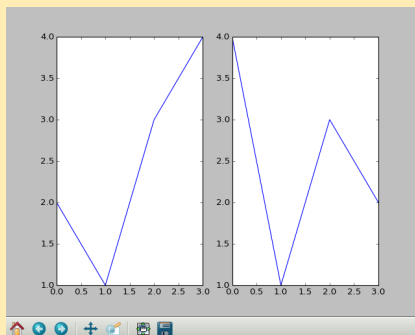
3. The Plot

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()
```