

## C: Constructing multi-panel plots

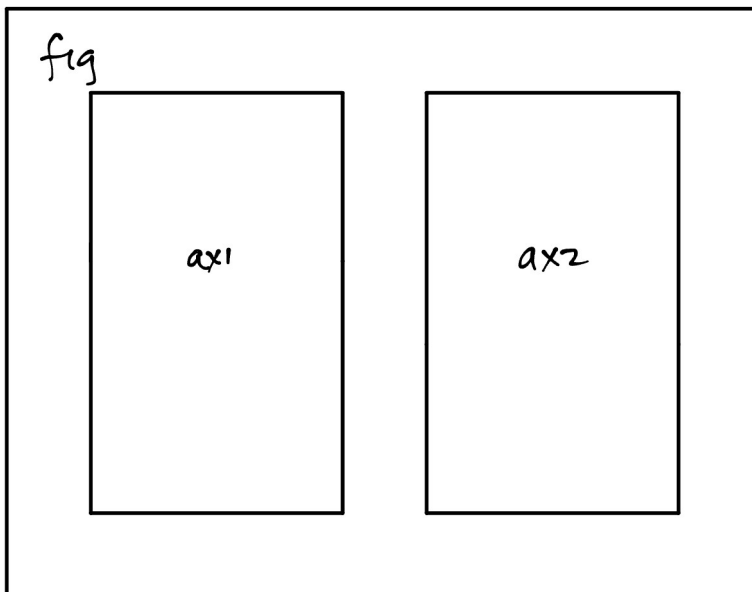
Very easy to do with `plt.subplots()`

- Give rows and columns of axes in call
- Returns an array of Axes objects

Examples:

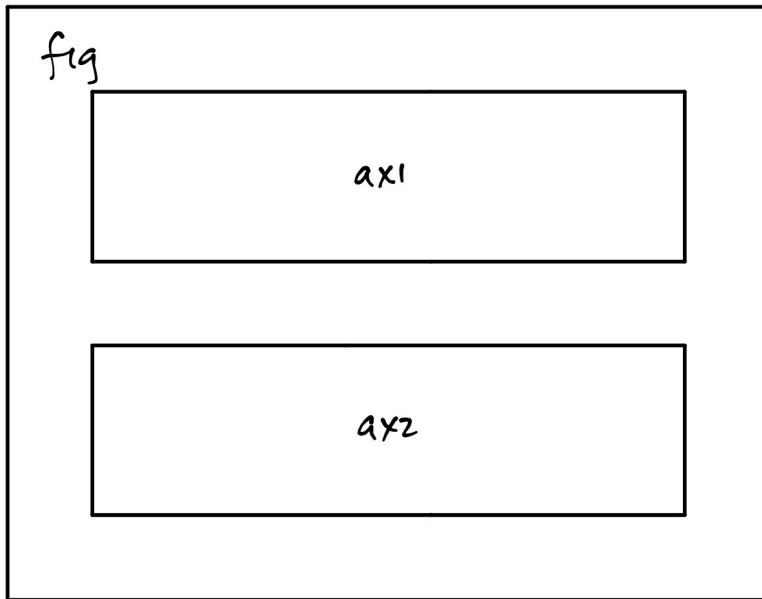
Case 1: two side by side panels

```
fig, (ax1,ax2) = plt.subplots(1,2)
```



Case 2: two top and bottom panels

```
fig, (ax1,ax2) = plt.subplots(2,1)
```



Case 3: four panels in a 2x2 grid

```
fig, axs = plt.subplots(2,1,sharex=True)
```

axs = 2x2 array of Axes corresponding to panels like this:

axs[0,0]	axs[0,1]
axs[1,0]	axs[1,1]

fig

0,0

0,1

1,0

1,1