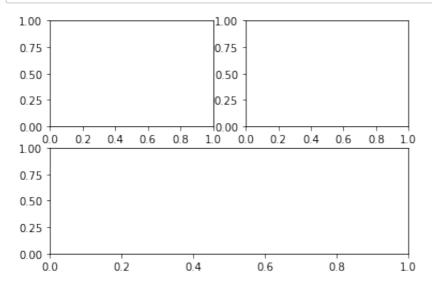
## matplotlib绘制子图

## 语法和MATLAB几乎相同

```
import matplotlib.pyplot as plt
In [1]:
           plt.subplot(2, 1, 1)
                                          # 2 X 1
In [2]:
           plt.subplot(2, 1, 2)
           plt.show()
            1.00
            0.75
            0.50
            0.25
            0.00
           1.00 0.0
                          0.2
                                    0.4
                                               0.6
                                                                    1.0
                                                         0.8
            0.75
            0.50
            0.25
            0.00
                          0.2
                                    0.4
                                               0.6
                                                         0.8
                                                                    1.0
               0.0
           plt.subplot(1, 2, 1)
                                          # 2 X
In [3]:
           plt.subplot(1, 2, 2)
           plt.show()
            1.0
                                        1.0
            0.8
                                        0.8
            0.6
                                        0.6
            0.4
                                         0.4
            0.2
                                        0.2
                                        0.0 <del>|</del>
0.0
            0.0
                        0.4
                            0.6
                                 0.8
                                               0.2
                                                    0.4
                                                         0.6
                                                             0.8
                                     1.0
                                                                  1.0
```

```
In [4]: plt.subplot(2, 2, 1) plt.subplot(2, 2, 2) plt.subplot(2, 1, 2) plt.show() # 先看成2*2的,然后到下面时看成2*1的
```



```
In [5]: import numpy as np

plt.subplot(2, 2, 1)
    x = np.random.random(10)
    y = np.random.random(10)
    plt.scatter(x, y)
    plt.title('test')

plt.subplot(2, 2, 2)
    x = np.arange(7)
    y = x**2
    plt.plot(x, y)

plt.subplot(2, 1, 2)
    plt.subplot(2, 1, 2)
    plt.show()
    # 先看成2*2的,然后到下面时看成2*1的
```

