Matplotlib安装与概述

matplotlib安装：

```
pip3 install matplotlib
```
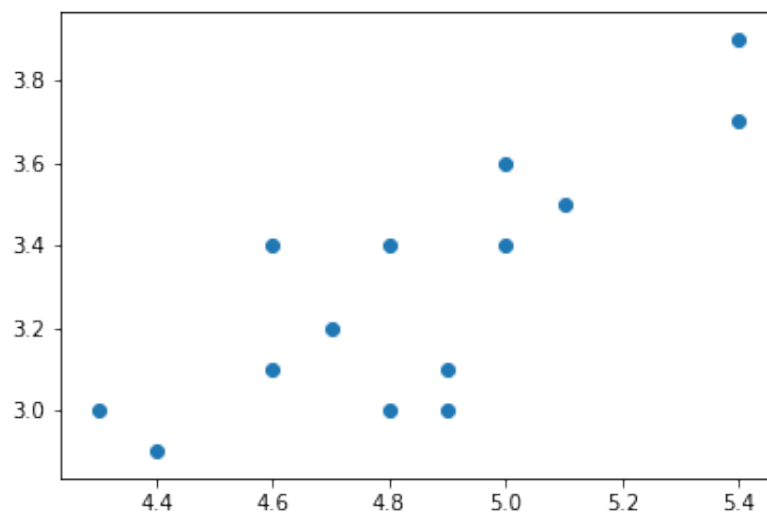
In [1]:
```
import matplotlib.pyplot as plt
import numpy as np
```

In [2]:
```
a = np.array([[5.1, 3.5],
              [4.9, 3],
              [4.7, 3.2],
              [4.6, 3.1],
              [5, 3.6],
              [5.4, 3.9],
              [4.6, 3.4],
              [5, 3.4],
              [4.4, 2.9],
              [4.9, 3.1],
              [5.4, 3.7],
              [4.8, 3.4],
              [4.8, 3],
              [4.3, 3]])
np.savetxt('b.txt', a)
b = np.loadtxt('b.txt')
```

In [3]:
```
b
```

Out[3]:
```
array([[5.1, 3.5],
       [4.9, 3. ],
       [4.7, 3.2],
       [4.6, 3.1],
       [5. , 3.6],
       [5.4, 3.9],
       [4.6, 3.4],
       [5. , 3.4],
       [4.4, 2.9],
       [4.9, 3.1],
       [5.4, 3.7],
       [4.8, 3.4],
       [4.8, 3. ],
       [4.3, 3. ]])
```

In [4]:
```python
plt.scatter(b[:,0], b[:,1])
plt.show()
```


In [5]:
```python
b.shape
```

Out[5]: (14, 2)