

```
1 # sample()
```

```
2 import pandas as pd
import numpy as np
```

```
3 s = pd.Series([1,2,3,4,5])
s
```

```
3 0    1
   1    2
   2    3
   3    4
   4    5
dtype: int64
```

```
4 # 随机取三个
s.sample(n=3)
```

```
4 3    4
   2    3
   0    1
dtype: int64
```

```
5 # 根据传入小数进行取值 0.4取两个 0.6取三个 1为全部
s.sample(frac=1)
```

```
5 3    4
   1    2
   0    1
   2    3
   4    5
dtype: int64
```

```
6 # 随机取出6个 如果不生成新的对象 则会异常
s.sample(n=6, replace=True)
```

```
6 4    5
   1    2
   2    3
   4    5
   3    4
   0    1
dtype: int64
```

```
7 # weights进行权重配比 0为不选择
s.sample(n=6,
        replace=True,
        weights=[10,20,0,0.2,0.8],
        random_state=12
        )
```

```
7 0    1
   1    2
   0    1
   1    2
   0    1
   1    2
dtype: int64
```

```
8 df = pd.DataFrame(
    np.random.randint(10, size=(3,3)),
    columns=list('ABC'))
```

```
)  
df
```

8

	A	B	C
0	6	7	8
1	7	7	9
2	5	0	0

9 # 随机取出俩个 默认行
df.sample(2)

9

	A	B	C
2	5	0	0
0	6	7	8

10 # 随机取出俩个 指定列
df.sample(2, axis=1)

10

	B	A
0	7	6
1	7	7
2	0	5

10