



AniPython

填充缺失值

`fillna()`



```
Series.fillna(  
    self,  
    value = None, # scalar, dict, Series  
    method = None, # {'ffill', 'bfill'}  
    inplace = False  
)
```

```
DataFrame.fillna(  
    self,  
    value = None, # scalar, dict, DataFrame  
    method = None, # {'ffill', 'bfill'}  
    axis = 0,  
    inplace = False  
)
```



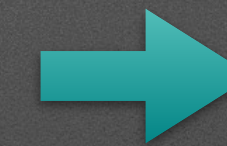
```
Series.fillna(  
    self,  
    value = None,  
    method = None,  
    inplace = False  
)
```

A	1.0
B	NaN
C	NaN
D	2.0
dtype: float64	



```
Series.fillna(  
    self,  
    value = 0,  
    method = None,  
    inplace = False  
)
```

A	1.0
B	NaN
C	NaN
D	2.0
dtype: float64	



A	1.0
B	0.0
C	0.0
D	2.0
dtype: float64	



```
Series.fillna(  
    self,  
    value = {'B':5,'C':6},  
    method = None,  
    inplace = False  
)
```

A	1.0
B	NaN
C	NaN
D	2.0
dtype: float64	



A	1.0
B	5.0
C	6.0
D	2.0
dtype: float64	



```
Series.fillna(  
    self,  
    value = Series({'B':5,'C':6}),  
    method = None,  
    inplace = False  
)
```

A	1.0
B	NaN
C	NaN
D	2.0
dtype: float64	



A	1.0
B	5.0
C	6.0
D	2.0
dtype: float64	



```
Series.fillna(  
    self,  
    value = None,  
    method = 'ffill',  
    inplace = False  
)
```

A	1.0
B	NaN
C	NaN
D	2.0
dtype: float64	



A	1.0
B	1.0
C	1.0
D	2.0
dtype: float64	



```
Series.fillna(  
    self,  
    value = None,  
    method = 'bfill',  
    inplace = False  
)
```

A	1.0
B	NaN
C	NaN
D	2.0
dtype: float64	



A	1.0
B	2.0
C	2.0
D	2.0
dtype: float64	



```
DataFrame.fillna(  
    self,  
    value = None,  
    method = None,  
    axis = 0,  
    inplace = False  
)
```

	A	B	C	D
0	1	2	3	4
1	5	NaN	NaN	6
2	7	NaN	NaN	8
3	9	10	11	12



```
DataFrame.fillna(  
    self,  
    value = 0,  
    method = None,  
    axis = 0,  
    inplace = False  
)
```

	A	B	C	D
0	1	2	3	4
1	5	NaN	NaN	6
2	7	NaN	NaN	8
3	9	10	11	12



	A	B	C	D
0	1	2	3	4
1	5	0	0	6
2	7	0	0	8
3	9	10	11	12



```
DataFrame.fillna(  
    self,  
    value = {'B':5,'C':6},  
    method = None,  
    axis = 0,  
    inplace = False  
)
```

	A	B	C	D
0	1	2	3	4
1	5	NaN	NaN	6
2	7	NaN	NaN	8
3	9	10	11	12



	A	B	C	D
0	1	2	3	4
1	5	5	6	6
2	7	5	6	8
3	9	10	11	12



```
DataFrame.fillna(  
    self,  
    value = <DataFrame>,  
    method = None,  
    axis = 0,  
    inplace = False  
)
```

	A	B	C	D
0	1	2	3	4
1	5	NaN	NaN	6
2	7	NaN	NaN	8
3	9	10	11	12

value

	B	C
0	10	20
1	30	40
2	50	60



	A	B	C	D
0	1	2	3	4
1	5	30	40	6
2	7	50	60	8
3	9	10	11	12



```
DataFrame.fillna(  
    self,  
    value = None,  
    method = 'ffill',  
    axis = 0,  
    inplace = False  
)
```

	A	B	C	D
0	1	2	3	4
1	5	NaN	NaN	6
2	7	NaN	NaN	8
3	9	10	11	12



	A	B	C	D
0	1	2	3	4
1	5	2	3	6
2	7	2	3	8
3	9	10	11	12



```
DataFrame.fillna(  
    self,  
    value = None,  
    method = 'ffill',  
    axis = 1,  
    inplace = False  
)
```

	A	B	C	D
0	1	2	3	4
1	5	NaN	NaN	6
2	7	NaN	NaN	8
3	9	10	11	12



	A	B	C	D
0	1	2	3	4
1	5	5	5	6
2	7	7	7	8
3	9	10	11	12



# 实际工作中最常见用法

```
df['字符'] = df['字符'].fillna('')
```

```
df['数字'] = df['数字'].fillna(0)
```

```
df['时间'] = df['时间'].fillna(pd.NaT)
```