Missing value #2 (Fill nothing)

1. Mark N/A value with additional column

In [1]:
```
import pandas as pd
df = pd.read_excel('dataset.xlsx', sheet_name='missing')
```

In [2]:
```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 31 entries, 0 to 30
Data columns (total 2 columns):
 #   Column  Non-Null Count  Dtype  
---  ------  --------------  -----  
 0   Sex     31 non-null     object 
 1   Height  29 non-null     float64
dtypes: float64(1), object(1)
memory usage: 624.0+ bytes
```

In [3]:
```
df_add_col = df.copy()
df_add_col['mark'] = df_add_col['Height'].isnull()
```

In [4]:
```
df_add_col
```

Out[4]:

	Sex	Height	mark
0	F	162.0	False
1	M	162.0	False
2	F	163.0	False
3	M	165.0	False
4	M	167.0	False
5	M	165.0	False
6	M	169.0	False
7	F	155.0	False
8	M	163.0	False
9	M	166.0	False
10	M	162.0	False
11	M	166.0	False
12	F	164.0	False
13	F	164.0	False
14	F	161.0	False
15	M	171.0	False
16	F	160.0	False
17	F	151.0	False
18	F	162.0	False
19	M	170.0	False
20	M	165.0	False
21	M	NaN	True
22	F	158.0	False
23	M	161.0	False
24	F	159.0	False
25	F	161.0	False
26	F	156.0	False
27	M	166.0	False
28	F	NaN	True
29	F	156.0	False
30	F	152.0	False

2. Delete the row with N/A value

In [5]:
```
df_del = df.copy()
```

In [6]:
```
df_del = df_del.dropna(axis=0)
```

In [7]:
```
df_del.info()
```

```
<class 'pandas.core.frame.DataFrame'>
Int64Index: 29 entries, 0 to 30
Data columns (total 2 columns):
 #   Column  Non-Null Count  Dtype  
---  ------  --------------  -----  
 0   Sex     29 non-null     object 
 1   Height  29 non-null     float64
dtypes: float64(1), object(1)
memory usage: 696.0+ bytes
```

In [8]:
```
df_del
```

Out[8]:

	Sex	Height
0	F	162.0
1	M	162.0
2	F	163.0
3	M	165.0
4	M	167.0
5	M	165.0
6	M	169.0
7	F	155.0
8	M	163.0
9	M	166.0
10	M	162.0
11	M	166.0
12	F	164.0
13	F	164.0
14	F	161.0
15	M	171.0
16	F	160.0
17	F	151.0
18	F	162.0
19	M	170.0
20	M	165.0
22	F	158.0
23	M	161.0
24	F	159.0
25	F	161.0
26	F	156.0
27	M	166.0
29	F	156.0
30	F	152.0

In [ ]:
```

```