```python
import numpy as np
import pandas as pd
```

missing data

```python
df = pd.DataFrame({'A':[1,2,np.nan],'B':[5,np.nan,np.nan],'C':[1,2,3]})
print(df)
```

```
     A    B  C
0  1.0  5.0  1
1  2.0  NaN  2
2  NaN  NaN  3
```

```python
print(df.dropna())
```

```
     A    B  C
0  1.0  5.0  1
```

```python
print(df.dropna(axis=1))
```

```
   C
0  1
1  2
2  3
```

```python
print(df.dropna(thresh=2))
```

```
     A    B  C
0  1.0  5.0  1
1  2.0  NaN  2
```

```python
print(df.fillna(value='FILL VALUE'))
```

```
            A           B  C
0         1.0         5.0  1
1         2.0  FILL VALUE  2
2  FILL VALUE  FILL VALUE  3
```

```python
print(df['A'].fillna(value=df['A'].mean()))
```

```
0    1.0
1    2.0
2    1.5
Name: A, dtype: float64
```

```
print(df['B'].fillna(value=df['B'].mean()))

0    5.0
1    5.0
2    5.0
Name: B, dtype: float64


print(df['C'].fillna(value=df['C'].mean()))

0    1
1    2
2    3
Name: C, dtype: int64
```

✓   0s   completed at 22:44