In [1]:
```
import pandas as pd
```

In [2]:
```
data = {
    'feature1': [3.2, 4.5, 6.7, 2.1, 5.4, 7.8, 1.2, 4.3, 2.8, 6.1],
    'feature2': [12, 15, 18, 10, 14, 17, 9, 13, 11, 16],
    'feature3': ['A', 'B', 'C', 'A', 'C', 'B', 'A', 'C', 'B', 'A'],
    'feature4': [True, False, True, True, False, False, True, True, True, False],
    'feature5': [0.1, 0.5, 0.3, 0.9, 0.7, 0.2, 0.8, 0.6, 0.4, 0.9]
}

df = pd.DataFrame(data)
```

In [3]:
```
print(df.info())
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 10 entries, 0 to 9
Data columns (total 5 columns):
 #   Column    Non-Null Count  Dtype  
---  ------    --------------  -----  
 0   feature1  10 non-null     float64
 1   feature2  10 non-null     int64  
 2   feature3  10 non-null     object 
 3   feature4  10 non-null     bool   
 4   feature5  10 non-null     float64
dtypes: bool(1), float64(2), int64(1), object(1)
memory usage: 462.0+ bytes
None
```

In [4]:
```
print(df.describe())
```

```
       feature1  feature2   feature5
count  10.000000  10.00000  10.000000
mean    4.410000  13.50000   0.540000
std     2.115787   3.02765   0.287518
min     1.200000   9.00000   0.100000
25%     2.900000  11.25000   0.325000
50%     4.400000  13.50000   0.550000
75%     5.925000  15.75000   0.775000
max     7.800000  18.00000   0.900000
```

In [5]:
```
observation_4 = df.loc[4]
print(observation_4)
```

```
feature1      5.4
feature2       14
feature3        C
feature4    False
feature5      0.7
Name: 4, dtype: object
```

In [6]:
```
print(df.isnull().sum())
```

```
feature1    0
feature2    0
feature3    0
feature4    0
feature5    0
dtype: int64
```

In [ ]: