

TEAM ID:	PNT2022TMID32788
TEAM MEMBERS:	ROSHANA V S SNEKA M S SRAVANI SOWMYA SHRI J SNEHA K
PROJECT TITLE:	EFFICIENT WATER QUALITY ANALYSIS AND PREDICTION USING MACHINE LEARNING

Handling missing values-2:

```
In [336]: data.dtypes
Out[336]: STATION CODE      object
LOCATIONS      object
STATE          object
Temp           object
D.O. (mg/l)    object
PH             object
CONDUCTIVITY (µhos/cm)  object
B.O.D. (mg/l)  object
NITRATENAN N+ NITRITENANN (mg/l)  object
FECAL COLIFORM (MPN/100ml)  object
TOTAL COLIFORM (MPN/100ml)Mean  object
year           int64
dtype: object

In [337]: data['Temp']=pd.to_numeric(data['Temp'],errors='coerce')
data['D.O. (mg/l)']=pd.to_numeric(data['D.O. (mg/l)'],errors='coerce')
data['PH']=pd.to_numeric(data['PH'],errors='coerce')
data['B.O.D. (mg/l)']=pd.to_numeric(data['B.O.D. (mg/l)'],errors='coerce')
data['CONDUCTIVITY (µhos/cm)']=pd.to_numeric(data['CONDUCTIVITY (µhos/cm)'],errors='coerce')
data['NITRATENAN N+ NITRITENANN (mg/l)']=pd.to_numeric(data['NITRATENAN N+ NITRITENANN (mg/l)'],errors='coerce')
data['TOTAL COLIFORM (MPN/100ml)Mean']=pd.to_numeric(data['TOTAL COLIFORM (MPN/100ml)Mean'],errors='coerce')

In [338]: data.dtypes
Out[338]: STATION CODE      object
LOCATIONS      object
STATE          object
Temp           float64
D.O. (mg/l)    float64
PH             float64
CONDUCTIVITY (µhos/cm)  float64
B.O.D. (mg/l)  float64
NITRATENAN N+ NITRITENANN (mg/l)  float64
FECAL COLIFORM (MPN/100ml)  object
TOTAL COLIFORM (MPN/100ml)Mean  float64
year           int64
dtype: object

In [340]: data.isnull().sum()
Out[340]: STATION CODE      0
LOCATIONS      0
STATE          0
Temp           92
D.O. (mg/l)    31
PH             8
CONDUCTIVITY (µhos/cm)  25
B.O.D. (mg/l)  43
NITRATENAN N+ NITRITENANN (mg/l)  225
FECAL COLIFORM (MPN/100ml)  0
TOTAL COLIFORM (MPN/100ml)Mean  132
year           0
dtype: int64
```