Team ID	PNT2022TMID25561
Project Name	Efficient Water Quality Analysis and Prediction using Machine Learning

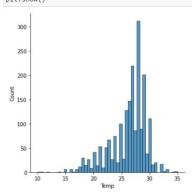
Data Visualization

Data visualization

univariate Analysis

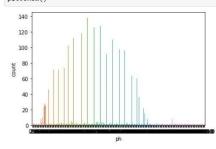
a)displot

In [355]: sns.displot(data.Temp)
plt.show()



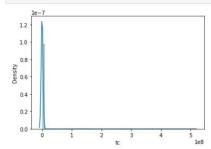
b)Countplot

In [360]: sns.countplot(data.ph)
 plt.show()



c)Distplot

In [365]: sns.distplot(data.tc)
 plt.show()



In [369]: plt.pie(data.year.value_counts(),[0.1,0,0,0,0,0,0,0,0,0],labels=[2012,2013,2014,2011,2010,2009,2008,2007,2005,2006,2003,2004
 plt.title('YEAR')
 plt.show()

YEAR

2014

2014

2014

2014

2014

2014

2014

2014

2014

2014

2014

2014

2014

2015

2016

2006

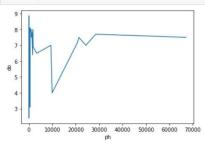
2009

2009

Bivariate Analysis

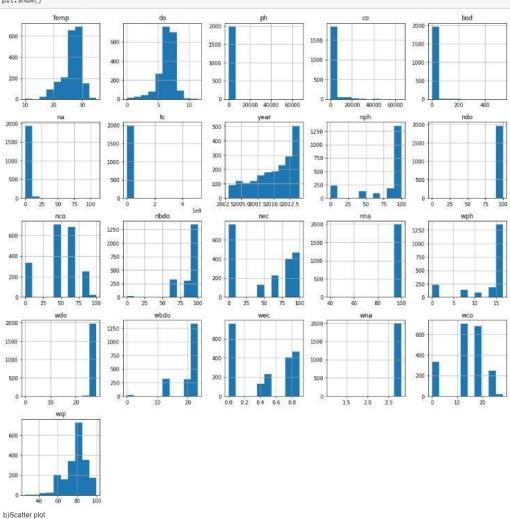
a)Line plot

In [374]: sns.lineplot(data.ph,data.do)
 plt.show()



Multivariate analysis





In [383]: sns.scatterplot(data.ph,data.bod) plt.show()

