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```
# Box plot for comparing the ph with other column and finding the outliers


col_pruning=['Temp','D.O. (mg/l)','CONDUCTIVITY (µmhos/cm)','B.O.D. (mg/l)','NITRATENAN N+ NITRITENANN

for col in col_pruning:
    print("\n\n")
    coldesc=df[col].describe()
    col_IQR=coldesc[6]-coldesc[4]
    col_Lower=coldesc[4]-(1.5*col_IQR)

    col_Higher=coldesc[6]+(1.5*col_IQR)

#     print(col_Lower,col_Higher)
#     df.drop(df.index[(df[col]col_Higher)],inplace=True,axis=0)
    df.drop(df.index[(df[col]>col_Higher)],inplace=True,axis=0)
    sns.boxplot(x='Water Qu',y=df[col],data=df)
    plt.show()


    print(df[col].describe())
```

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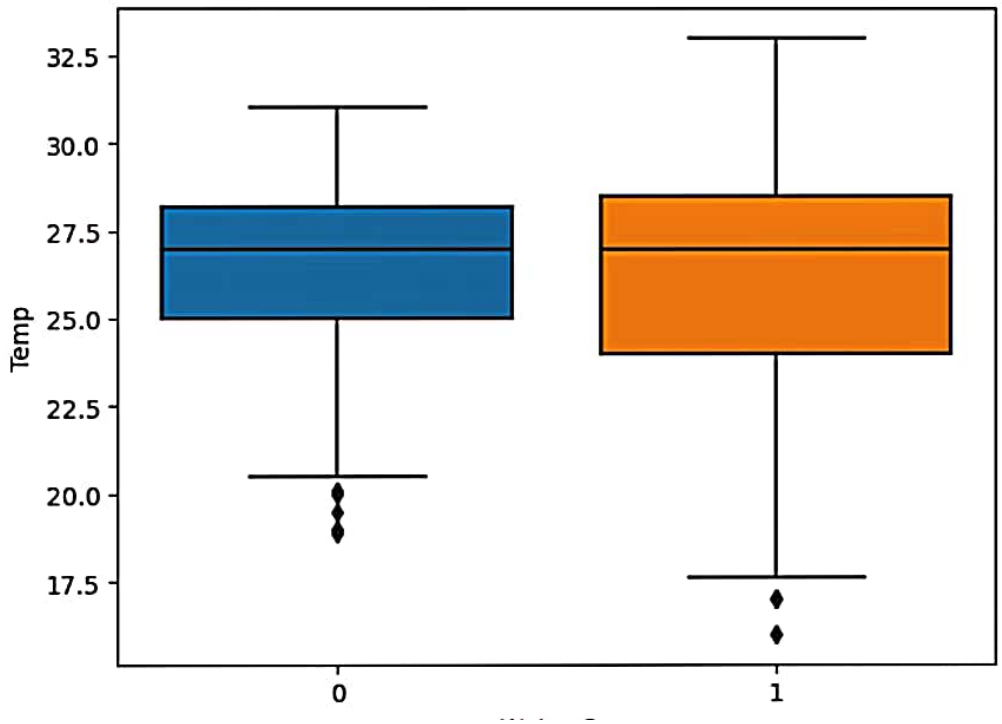


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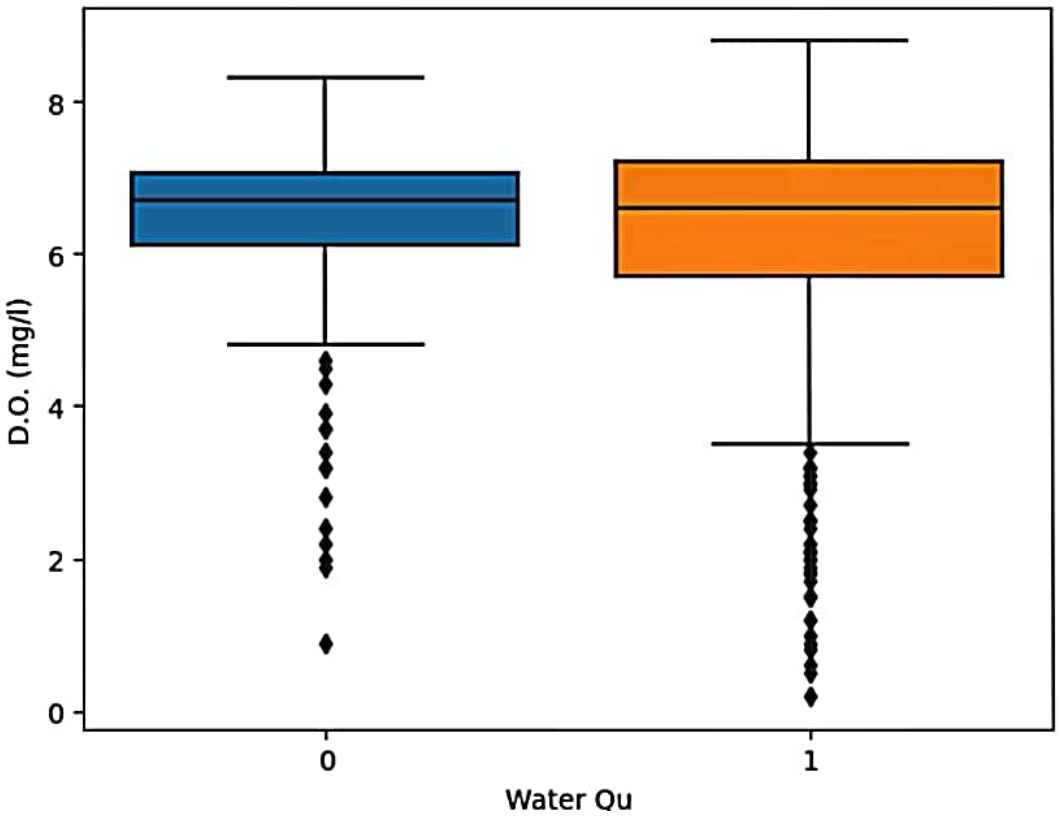
Water Qu

```
count    879.000000
mean      26.093743
std        3.261618
min       16.000000
25%       24.450000
50%       27.000000
75%       28.400000
max       33.000000
Name: Temp, dtype: float64
```

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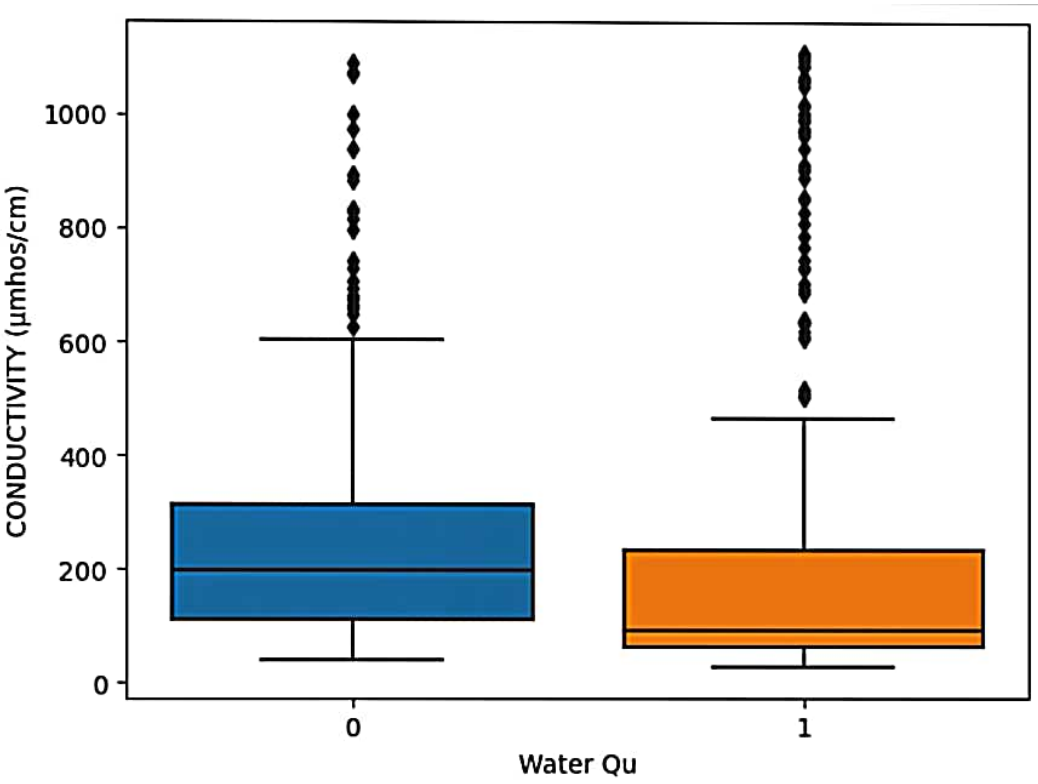
```
count    878.000000
mean       6.306640
std        1.295557
min        0.200000
25%        5.900000
50%        6.700000
75%        7.100000
max        8.800000
Name: D.O. (mg/l), dtype: float64
```

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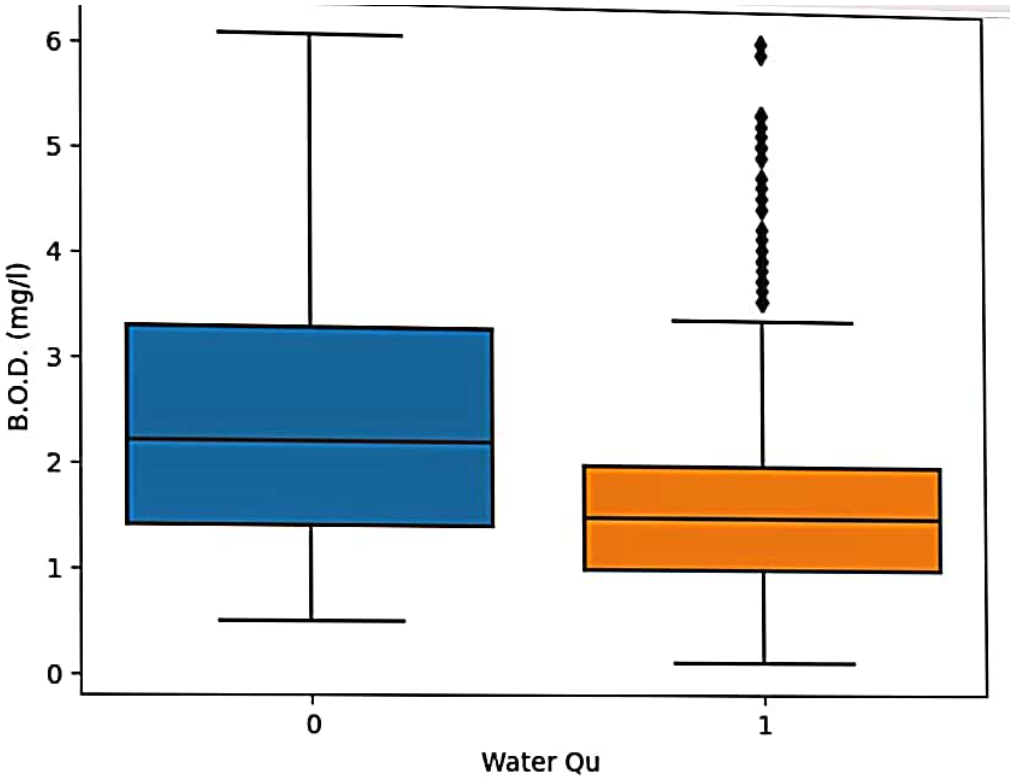
```
count     745.000000
mean      222.344966
std       243.275990
min        27.000000
25%        69.000000
50%       120.000000
75%       274.000000
max      1110.000000
Name: CONDUCTIVITY (µmhos/cm), dtype: float64
```

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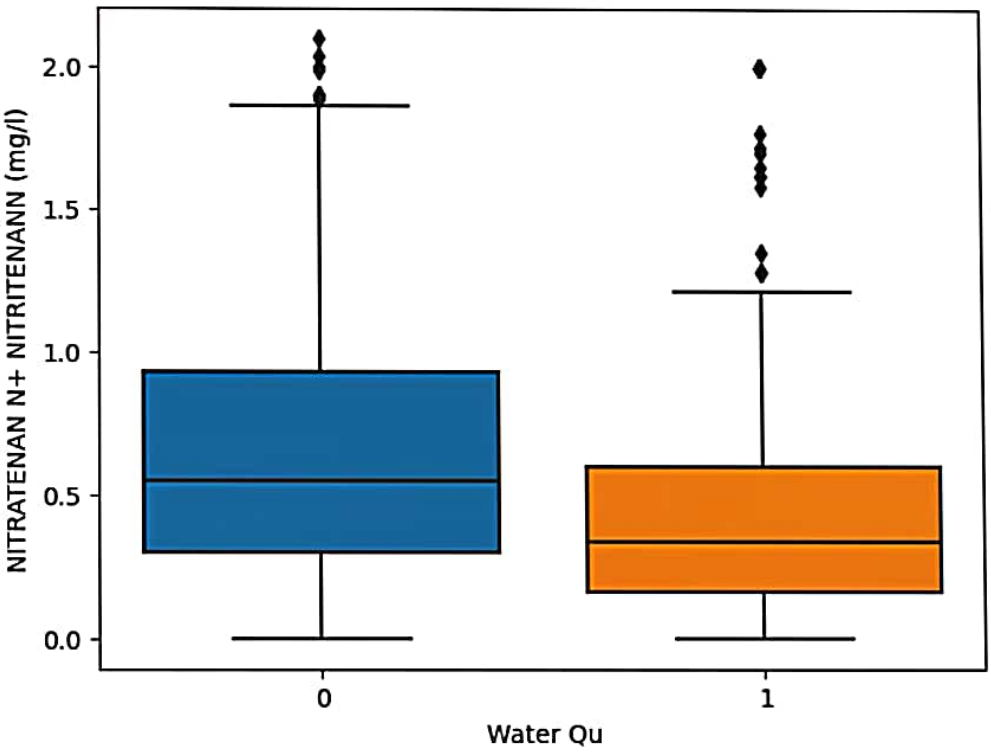
```
count    675.000000
mean       1.939630
std        1.140444
min        0.100000
25%        1.100000
50%        1.600000
75%        2.500000
max        6.100000
Name: B.O.D. (mg/l), dtype: float64
```

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Water Qu

```
count    571.000000
mean       0.523135
std        0.451816
min        0.000000
25%        0.200000
50%        0.400000
75%        0.720000
max        2.100000
Name: NITRATENAN N+ NITRITENANN (mg/l), dtype: float64
```