```
import jovian
import seaborn as sns
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

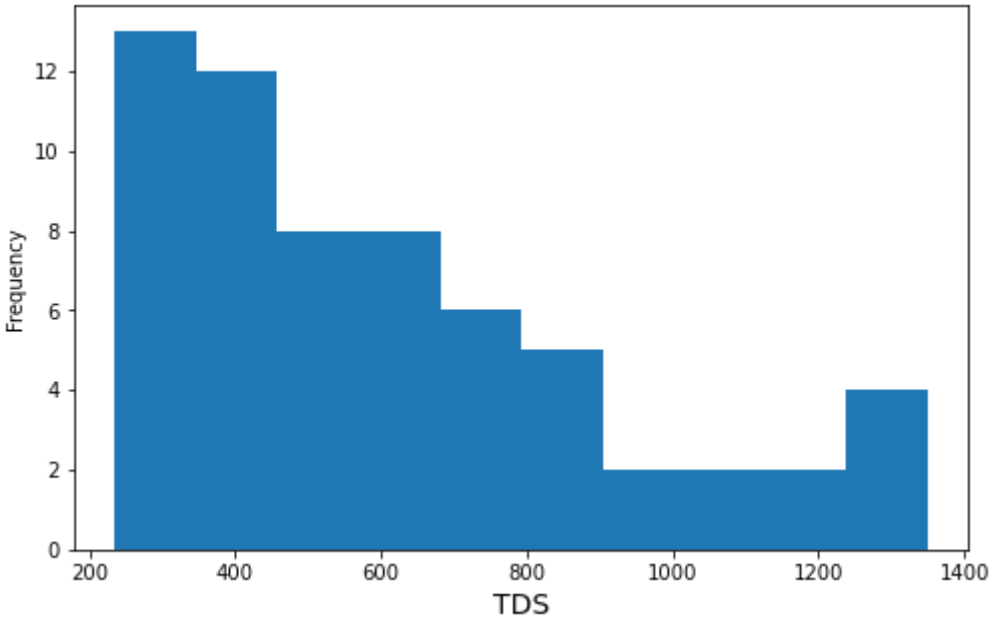
```
water_data= pd.read_csv('/home/miracle/Downloads/Water_values.csv')
```

```
water_data.head(4)
```

	pH value	Turbidity	Temp.	TDS	EC	Colour	Chloride
0	6.8	5.8	23.4	500	420	17.0	265
1	6.9	5.4	26.7	525	350	19.0	358
2	7.1	6.7	25.0	725	340	6.0	472
3	5.4	7.9	24.6	400	404	31.0	500

```
plt.figure(figsize=(8,5))
water_data.TDS.plot(kind='hist')
plt.xlabel('TDS',fontsize=14)
```

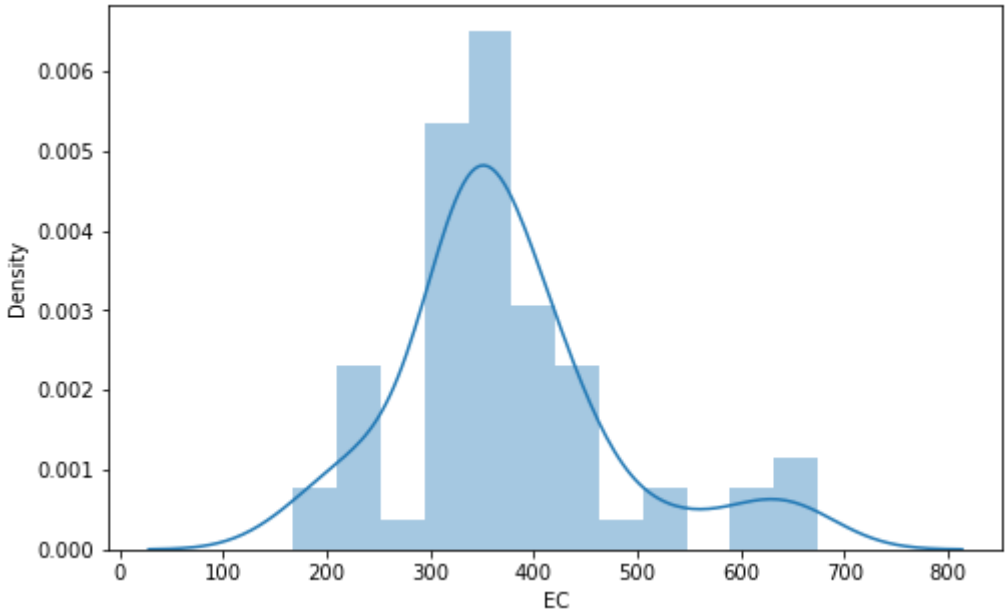
```
Text(0.5, 0, 'TDS')
```




```
plt.figure(figsize=(8,5))
sns.distplot(water_data.EC)
```

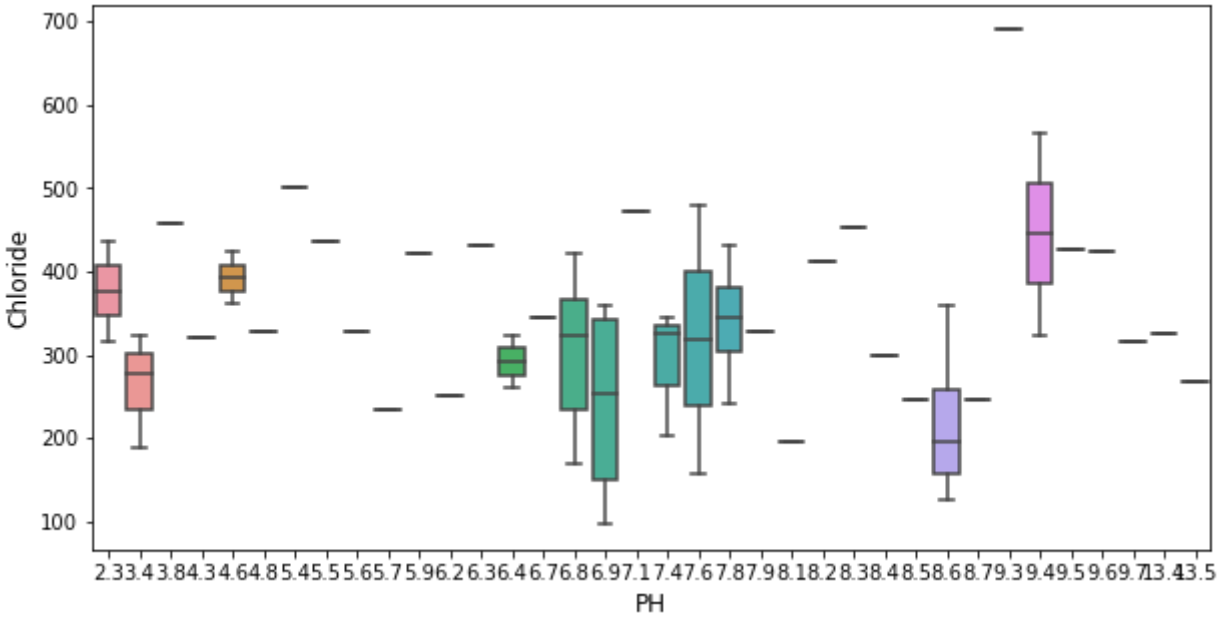
```
/home/miracle/anaconda3/lib/python3.8/site-packages/seaborn/distributions.py:2557: FutureWarning: `distplot` is a deprecated function and will be removed in a future version. Please adapt your code to use either `displot` (a figure-level function with similar flexibility) or `histplot` (an axes-level function for histograms).
  warnings.warn(msg, FutureWarning)
```

```
<AxesSubplot:xlabel='EC', ylabel='Density'>
```



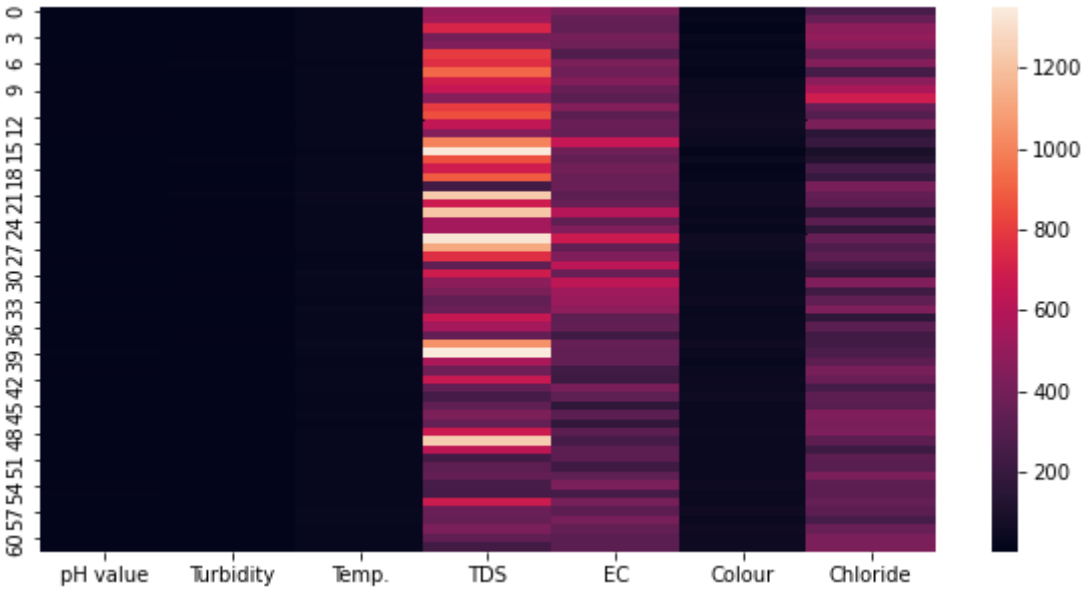

```
plt.figure(figsize=(10,5))
sns.boxplot(x='pH value', y='Chloride',data=water_data)
plt.xlabel('PH',fontsize=12)
plt.ylabel('Chloride',fontsize=12)
```

```
Text(0, 0.5, 'Chloride')
```




```
#plt.scatter(x='pH value', y='Turbidity',data=water_data,c='g',s=59)
plt.figure(figsize=(10,5))
sns.heatmap(water_data)
```

```
<AxesSubplot:>
```




```
plt.figure(figsize=[10,8])
sns.countplot(x='Turbidity',data= water_data)
```

```
<AxesSubplot:xlabel='Turbidity', ylabel='count'>
```