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In [1]: import matplotlib.pyplot as plt
import pandas as pd
import seaborn as sns
import numpy as np

In [8]: data = pd.read_csv("water_potability.csv")

In [9]: data.head()

Out[9]:
```

	ph	Hardness	Solids	Chloramines	Sulfate	Conductivity	Organic_carbon	Trihalomethanes	Turbidity	Potability
0	NaN	204.890455	20791.318981	7.300212	368.516441	564.308654	10.379783	86.990970	2.963135	0
1	3.716080	129.422921	18630.057858	6.635246	NaN	592.885359	15.180013	56.329076	4.500656	0
2	8.009124	224.236259	19909.541732	9.275884	NaN	418.606213	16.868637	66.420093	3.05934	0
3	8.316766	214.373394	22018.417441	8.059332	356.886136	363.266516	18.436524	100.341674	4.628771	0
4	9.092223	181.101509	17978.986339	6.546600	310.135738	398.410813	11.558279	31.997993	4.075075	0

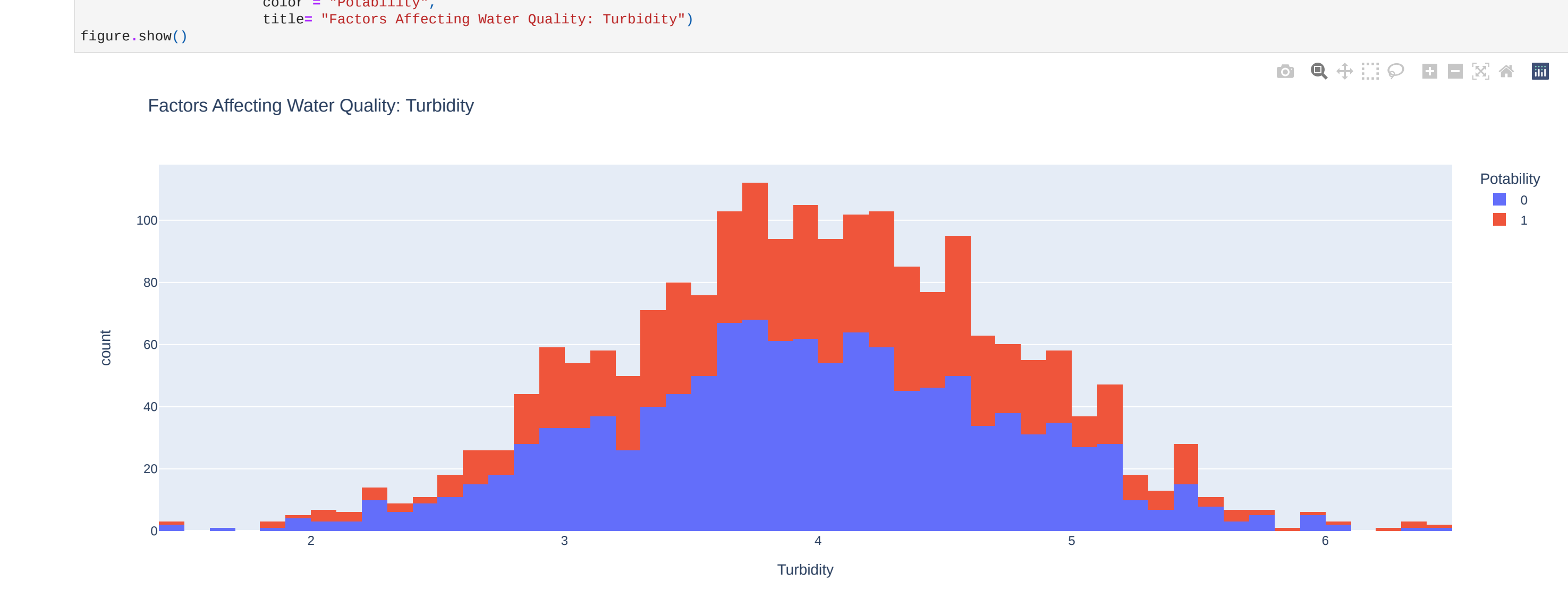
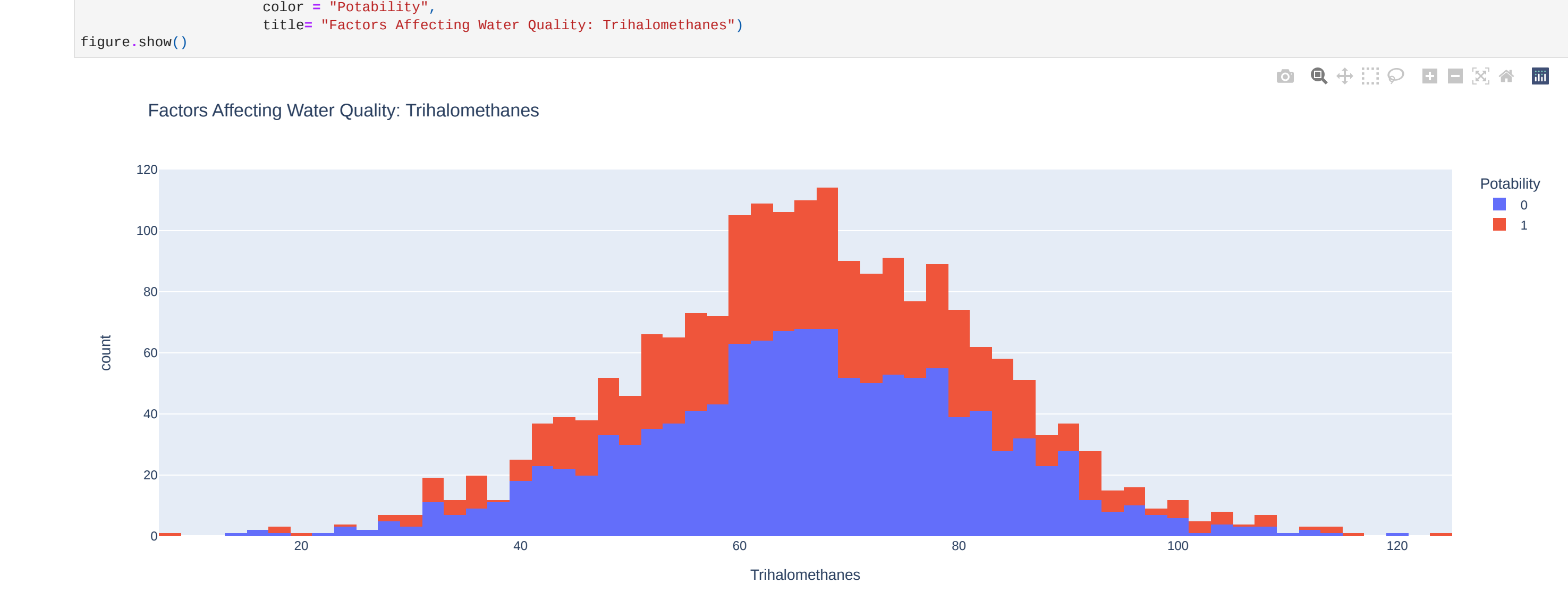
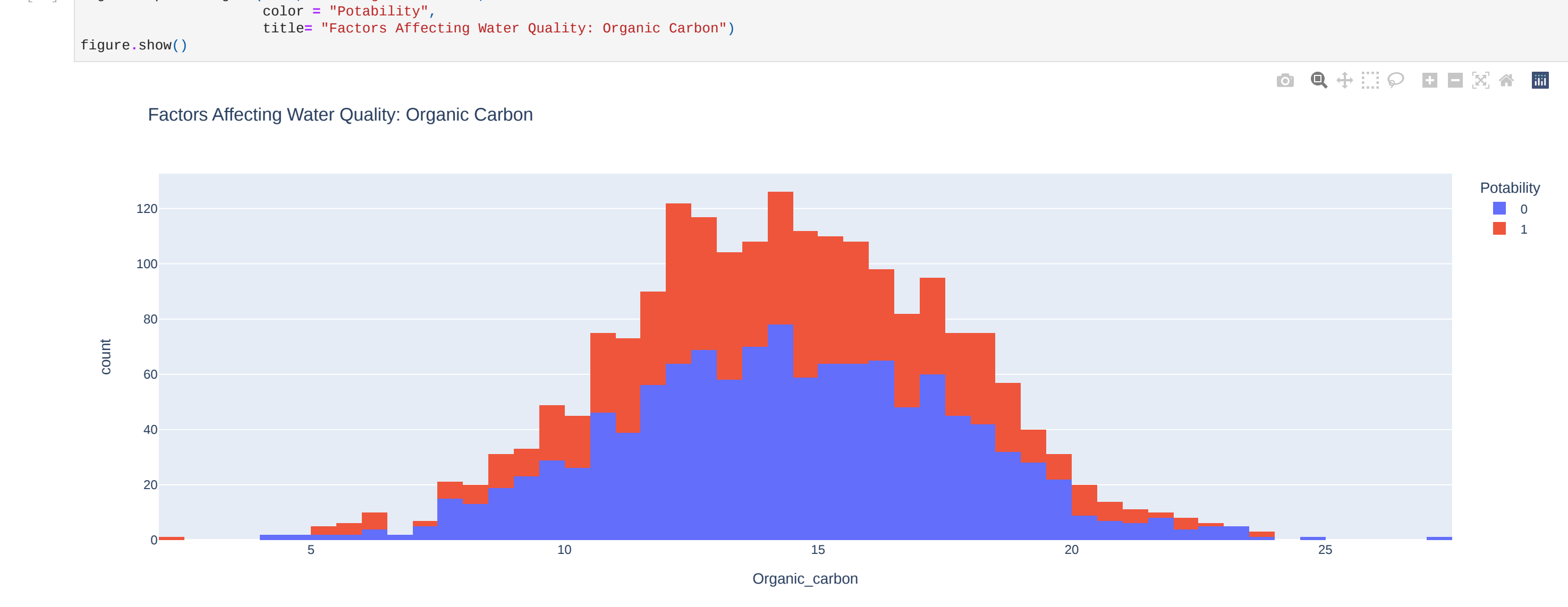
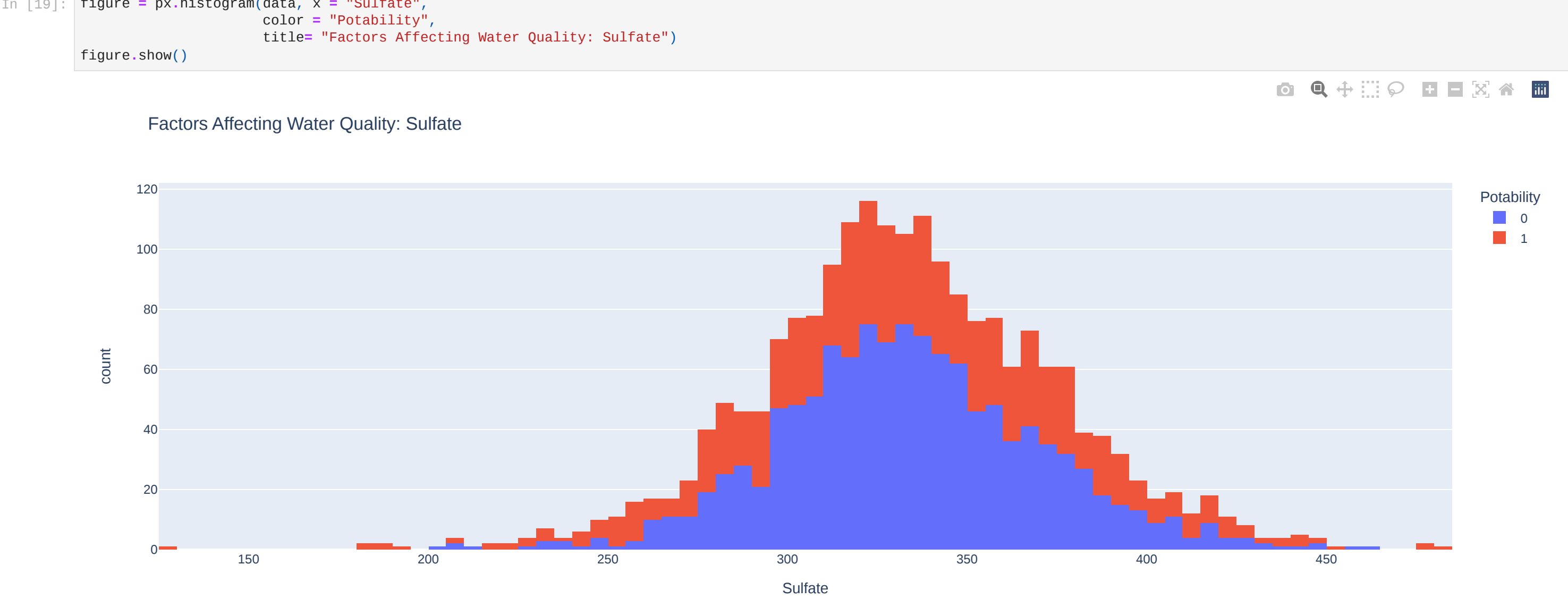
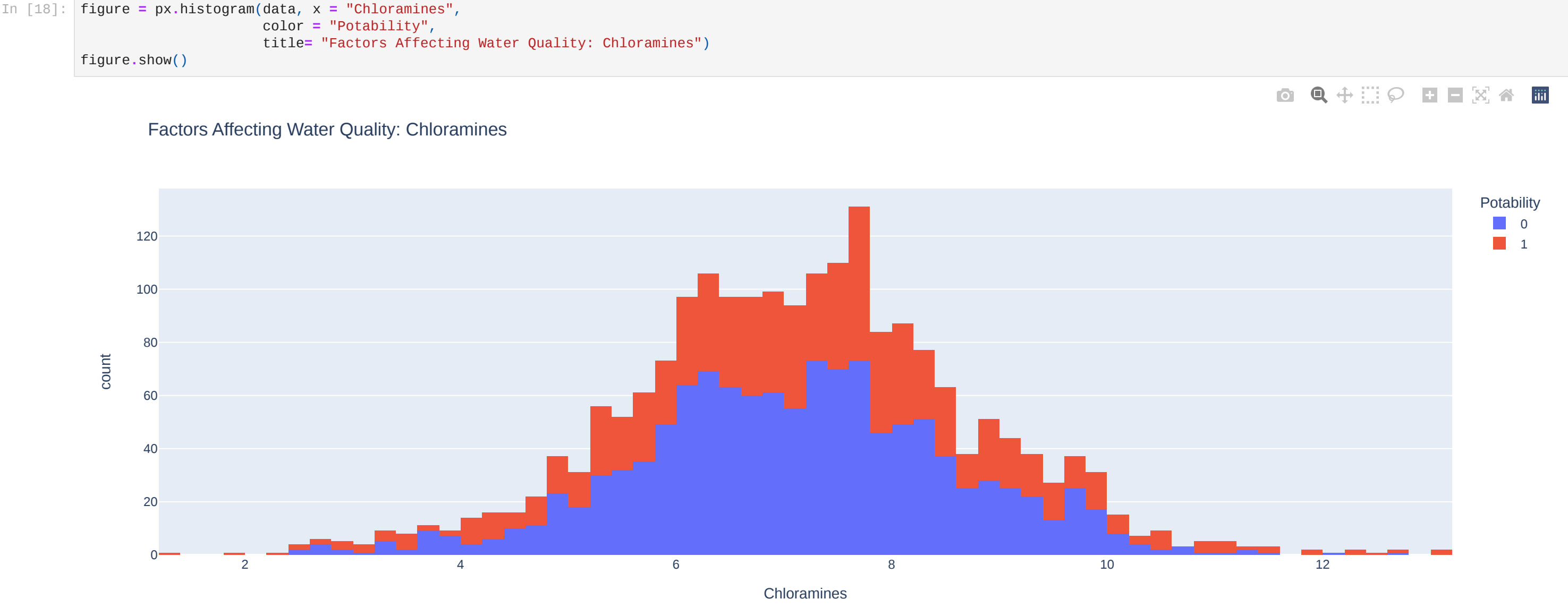
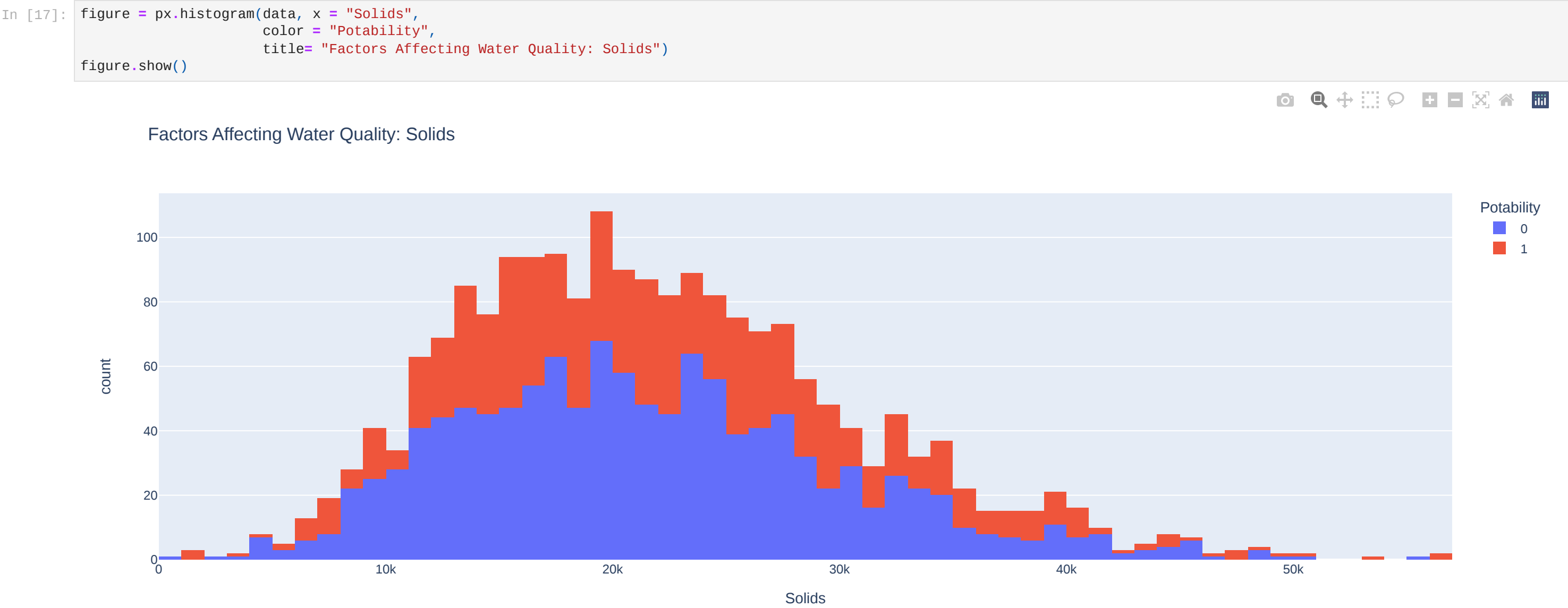
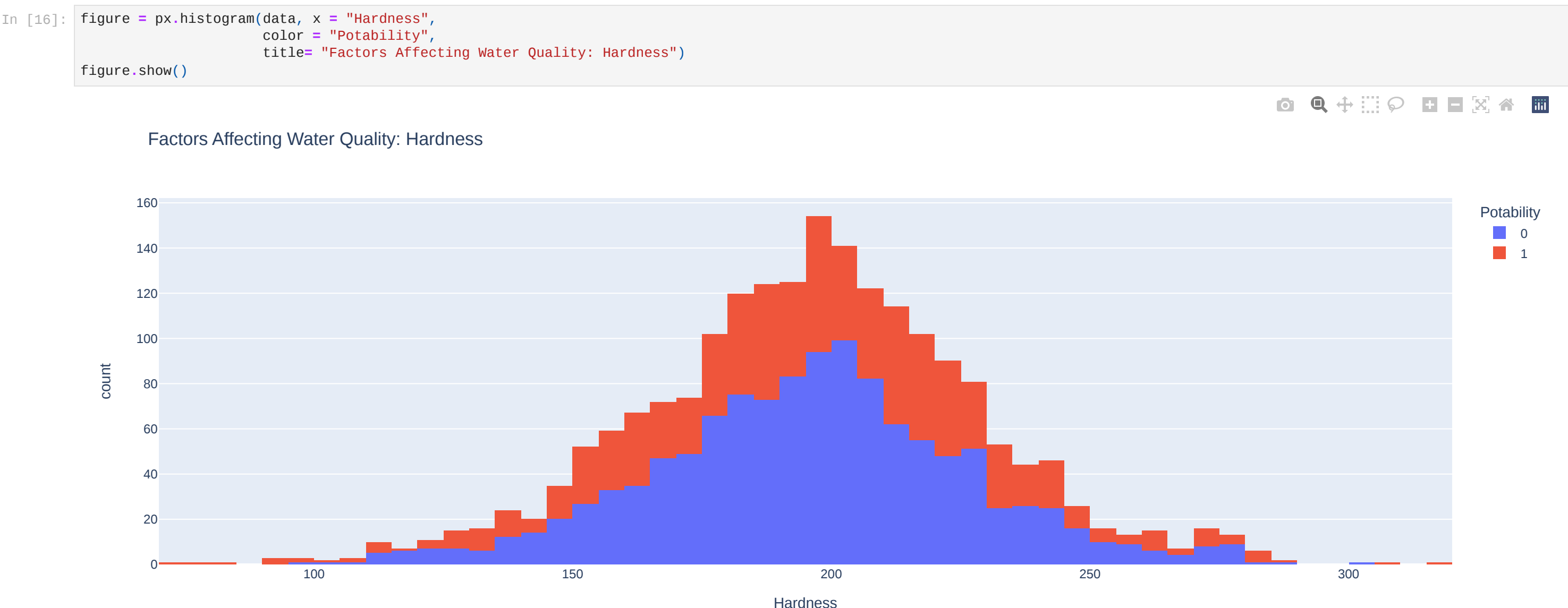
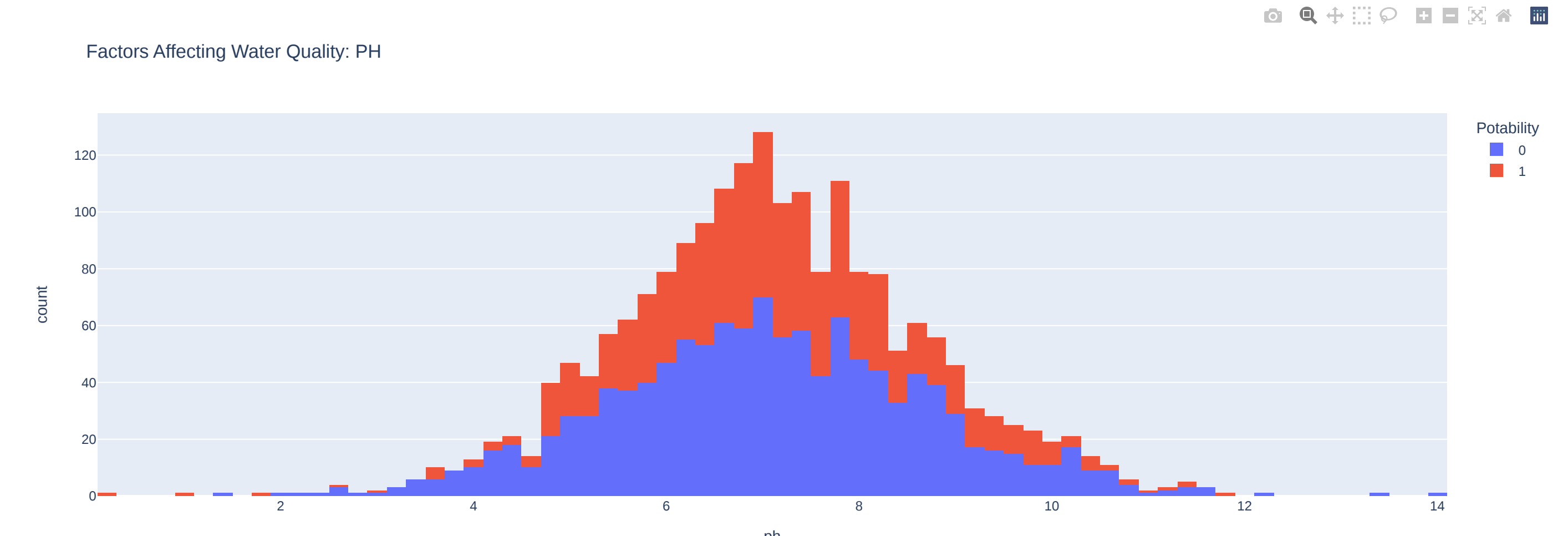
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In [10]: data = data.dropna()
data.isnull().sum()

Out[10]:
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	ph	Hardness	Solids	Chloramines	Sulfate	Conductivity	Organic_carbon	Trihalomethanes	Turbidity	Potability
	0	0	0	0	0	0	0	0	0	0

```
In [14]: import plotly.express as px

In [15]: data = data
figure = px.histogram(data, x = "ph",
                      color = "Potability",
                      title= "Factors Affecting Water Quality: PH")
figure.show()
```



In [] :