```
import pandas as pd
import matplotlib.pyplot as plt


url = "https://bit.ly/4nejNue"
try:
    df = pd.read_csv(url)
except:
    import io
    import requests
    response = requests.get(url)
    df = pd.read_csv(io.StringIO(response.text), header=None,
                     names=['sepal_length', 'sepal_width',
                            'petal_length', 'petal_width',
                            'species'])

df.head()
```

	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	setosa
1	4.9	3.0	1.4	0.2	setosa
2	4.7	3.2	1.3	0.2	setosa
3	4.6	3.1	1.5	0.2	setosa
4	5.0	3.6	1.4	0.2	setosa

Next steps: Generate code with df | View recommended plots | New interactive sheet

```
numeric_cols = df.select_dtypes(include=['number']).columns
print("Numeric columns found:", list(numeric_cols))
```

```
Numeric columns found: ['sepal_length', 'sepal_width', 'petal_length', 'petal_width']
```

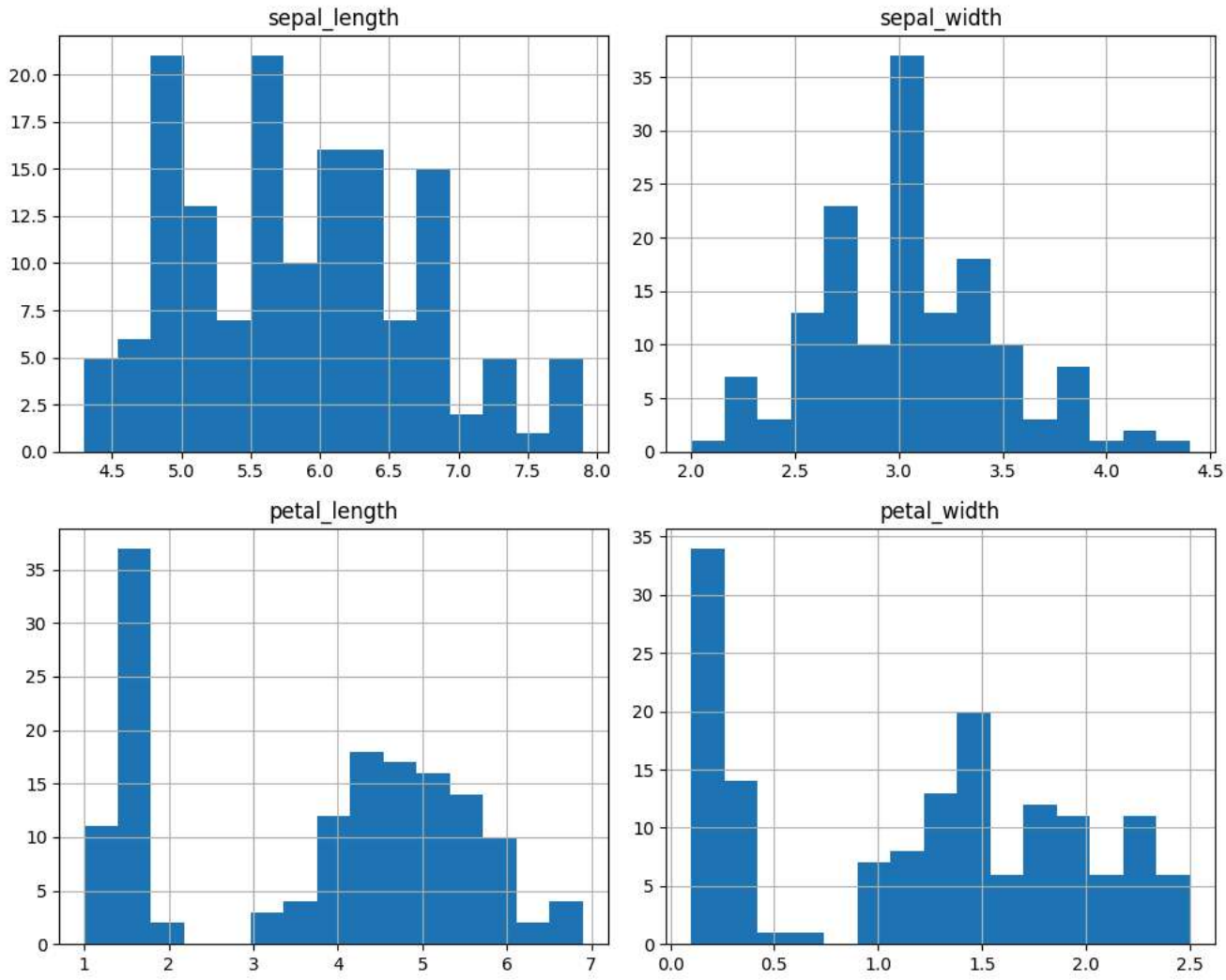
```
if len(numeric_cols) > 0:
    print("\nMean values:")
    print(df[numeric_cols].mean())
    print("\nMedian values:")
    print(df[numeric_cols].median())
    print("\nStandard deviation:")
    print(df[numeric_cols].std())
else:
    print("No numeric columns found for statistical analysis")
```

```
Mean values:
sepal_length    5.843333
sepal_width     3.057333
petal_length    3.758000
petal_width     1.199333
dtype: float64

Median values:
sepal_length    5.80
sepal_width     3.00
petal_length    4.35
petal_width     1.30
dtype: float64

Standard deviation:
sepal_length    0.828066
sepal_width     0.435866
petal_length    1.765298
petal_width     0.762238
dtype: float64
```

```
if len(numeric_cols) > 0:
    df[numeric_cols].hist(figsize=(10,8), bins=15)
    plt.tight_layout()
    plt.show()
else:
    print("No numeric columns to visualize")
```




```
if 'species' in df.columns:
    print("\nSpecies distribution:")
    print(df['species'].value_counts())
    df['species'].value_counts().plot(kind='bar')
    plt.title("Species Distribution")
    plt.show()
```

```
Species distribution:
species
setosa        50
versicolor    50
virginica     50
Name: count, dtype: int64
```