

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
import plotly.express as px
from sklearn.datasets import load_iris
import warnings
warnings.filterwarnings("ignore")

data = load_iris()

df = pd.DataFrame()
df[data['feature_names']] = data['data']
df['label'] = data['target']

df.head()

df.shape

df.info()

df.describe()

sns.heatmap(df.corr(), annot=True)
plt.show()

sns.histplot(df["sepal length (cm)"], kde=True)
plt.show()

sns.histplot(df["sepal width (cm)"], kde=True)
plt.show()
```

```
sns.histplot(df["petal length (cm)"], kde=True)
plt.show()
```

```
sns.histplot(df["petal width (cm)"], kde=True)
plt.show()
```

```
sns.boxplot(x=df['label'], y=df["sepal length (cm)"])
plt.show()
```

```
sns.boxplot(x=df['label'], y=df["sepal width (cm)"])
plt.show()
```

```
sns.boxplot(x=df["label"], y=df["petal length (cm)"])
plt.show()
```

```
sns.boxplot(x=df['label'], y=df["petal width (cm)"])
plt.show()
```