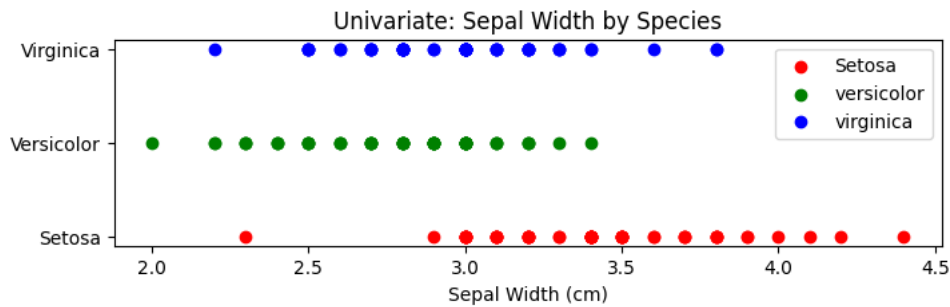```python
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```
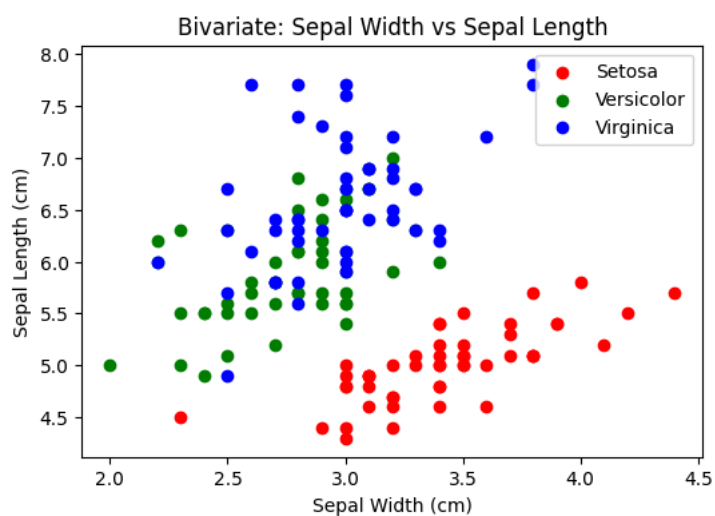
```python
df = pd.read_csv('Iris.csv')
```

```python
plt.figure(figsize=(8,2))
plt.scatter(df[df['Species']=='Iris-setosa']['SepalWidthCm'] , [0]*df[df['Species']=='Iris-setosa'].shape[0], label='Setosa'
plt.scatter(df[df['Species']=='Iris-versicolor']['SepalWidthCm'] , [1]*df[df['Species']=='Iris-versicolor'].shape[0], label=
plt.scatter(df[df['Species']=='Iris-virginica']['SepalWidthCm'] , [2]*df[df['Species']=='Iris-virginica'].shape[0], label='v
plt.xlabel('Sepal Width (cm)')
plt.yticks([0,1,2], ['Setosa','Versicolor','Virginica'])
plt.legend()
plt.title('Univariate: Sepal Width by Species')
plt.show()
```



```python
df_Setosa = df[df['Species'] == 'Iris-setosa']
df_Versicolor = df[df['Species'] == 'Iris-versicolor']
df_Virginica = df[df['Species'] == 'Iris-virginica']
```

```python
plt.figure(figsize=(6, 4))
plt.scatter(df_Setosa['SepalWidthCm'], df_Setosa['SepalLengthCm'], color='red', label='Setosa')
plt.scatter(df_Versicolor['SepalWidthCm'], df_Versicolor['SepalLengthCm'], color='green', label='Versicolor')
plt.scatter(df_Virginica['SepalWidthCm'], df_Virginica['SepalLengthCm'], color='blue', label='Virginica')

plt.xlabel('Sepal Width (cm)')
plt.ylabel('Sepal Length (cm)')
plt.title('Bivariate: Sepal Width vs Sepal Length')
plt.legend()
plt.show()
```



```python
sns.pairplot(df, hue='Species',diag_kind='kde',palette="Set1")
plt.suptitle('Multivariate: Pairplot of Iris Features', y=1.02)
plt.show()
```

Multivariate: Pairplot of Iris Features

Species
- Iris-setosa
- Iris-versicolor
- Iris-virginica