```
from google.colab import drive
drive.mount('/content/drive')
```

```
Mounted at /content/drive
```

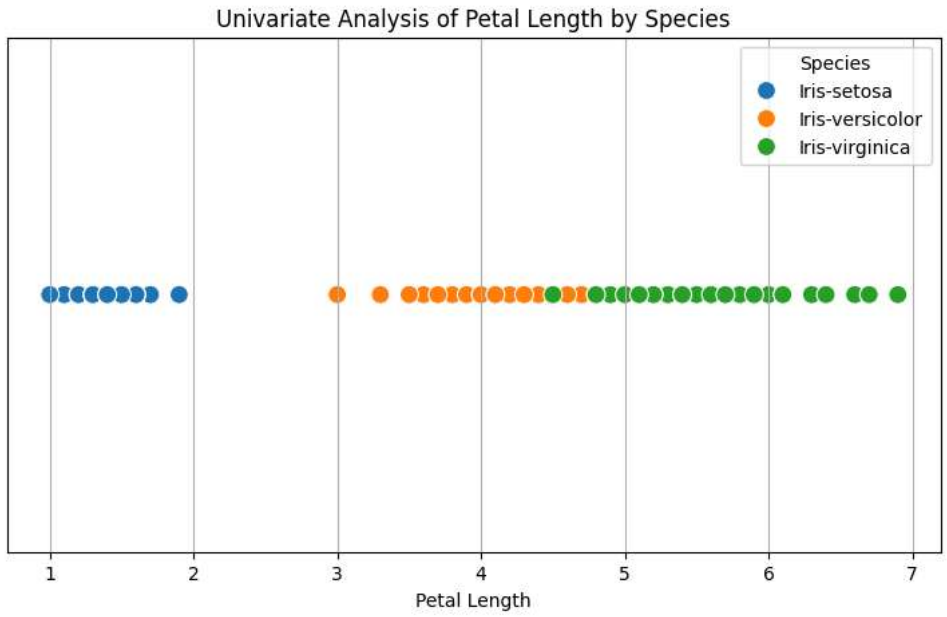
```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

```
file_path='/content/drive/MyDrive/MACHINE LEARNING/IRIS.csv'
```

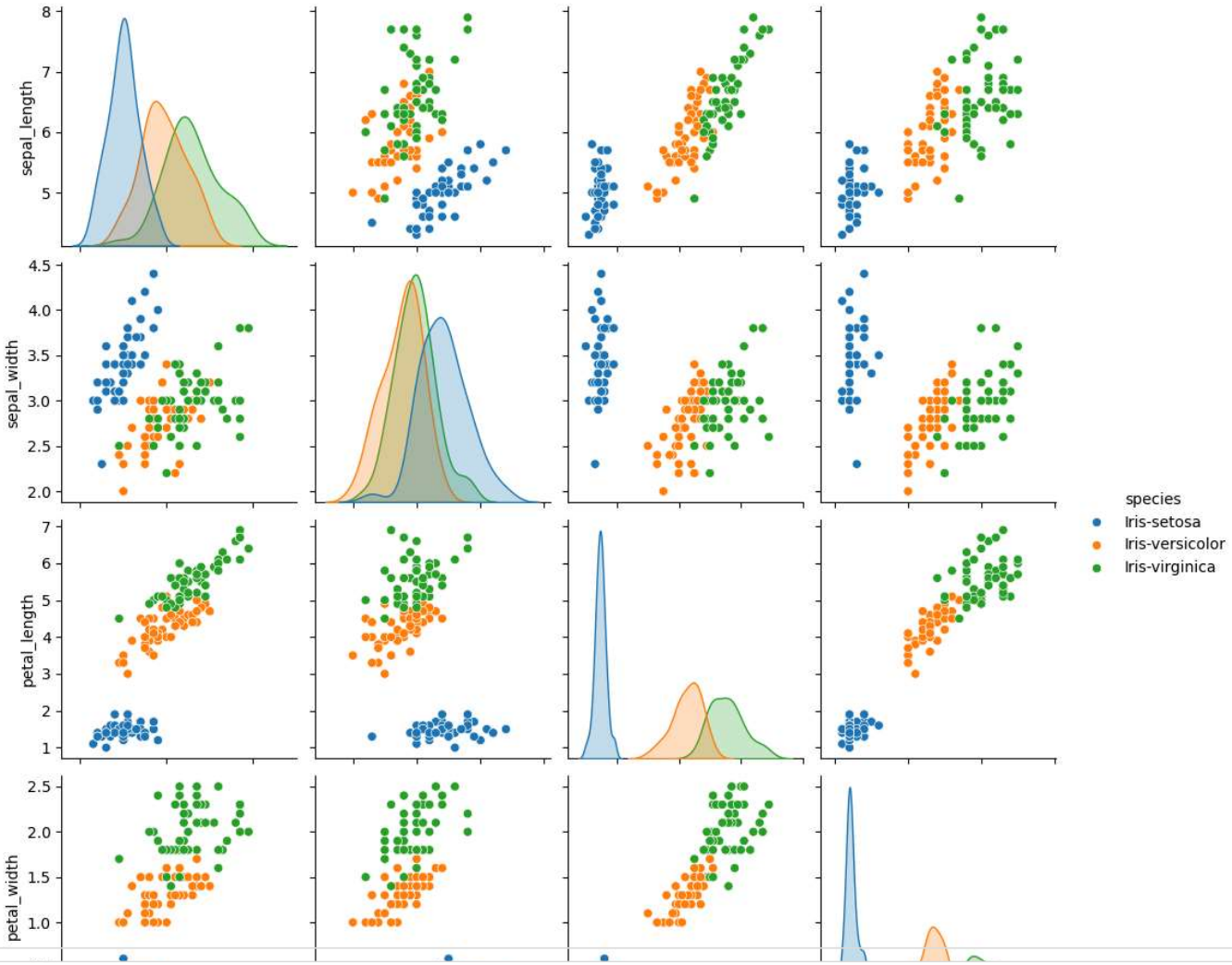
```
df=pd.read_csv(file_path)
print(df.head())
```

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

```
plt.figure(figsize=(9,5))
sns.scatterplot(x=df['petal_length'],y=[0]*len(df),hue=df['species'],s=100)
plt.yticks([])
plt.xlabel("Petal Length")
plt.title("Univariate Analysis of Petal Length by Species")
plt.legend(title="Species")
plt.grid(True)
plt.show()
```




```
sns.pairplot(df,hue='species',vars=['sepal_length','sepal_width','petal_length','petal_width'])
plt.show()
```




```
plt.figure(figsize=(12,6))
sns.scatterplot(data=df,x='sepal_length',y='petal_length',hue='species',s=100)
plt.xlabel("Sepal Length")
plt.ylabel("Petal Length")
plt.title("Bivariate Analysis of Sepal and Petal Length by species")
plt.legend(title="Species")
plt.grid(True)
plt.show
```

```
matplotlib.pyplot.show
def show(*args, **kwargs) -> None
```

```
Display all open figures.

Parameters
----------
block : bool, optional
    Whether to wait for all figures to be closed before returning.
```