

# Data Visualization

Seaborn : Installs the all the following libraries.

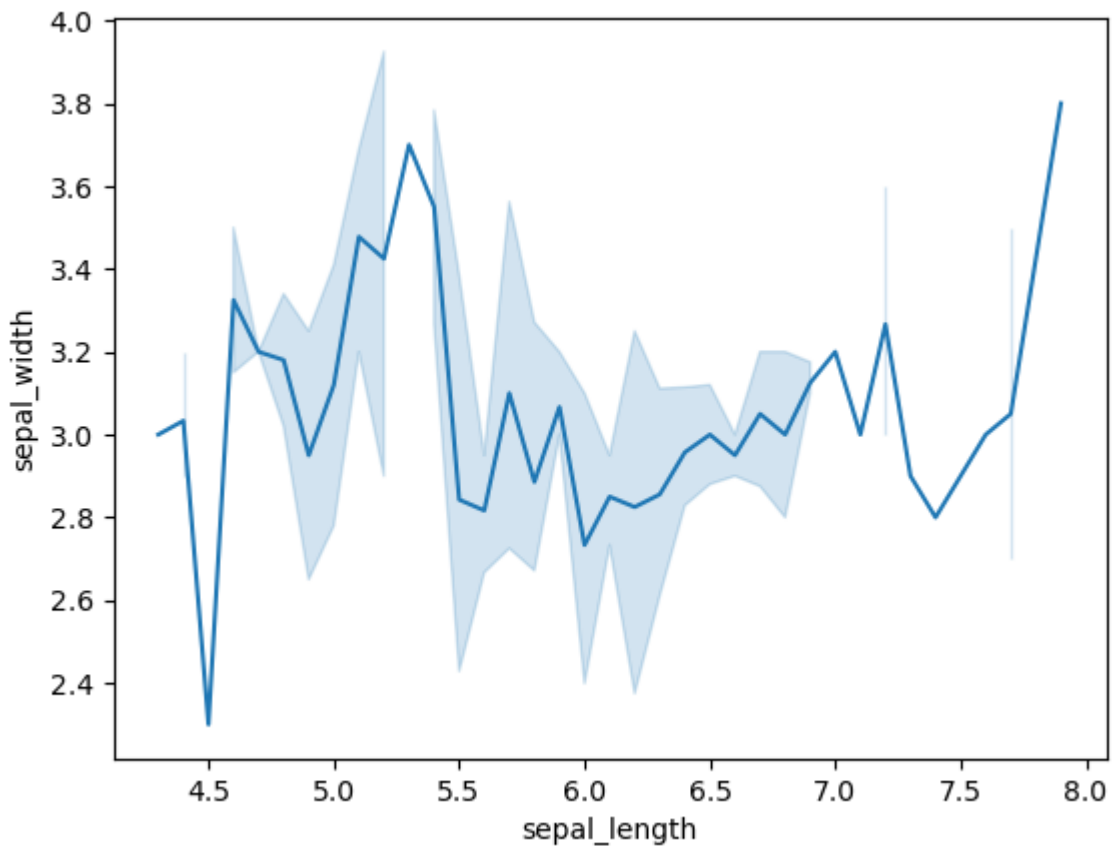
- NumPy
- SciPy
- Pandas
- Matplotlib

```
In [3]: # Import Libraries
import seaborn as sns
import matplotlib.pyplot as plt

# Load dataset
phool = sns.load_dataset('iris')
phool

#draw a line plot
sns.lineplot(x="sepal_length", y="sepal_width", data=phool)
```

```
Out[3]: <AxesSubplot:xlabel='sepal_length', ylabel='sepal_width'>
```

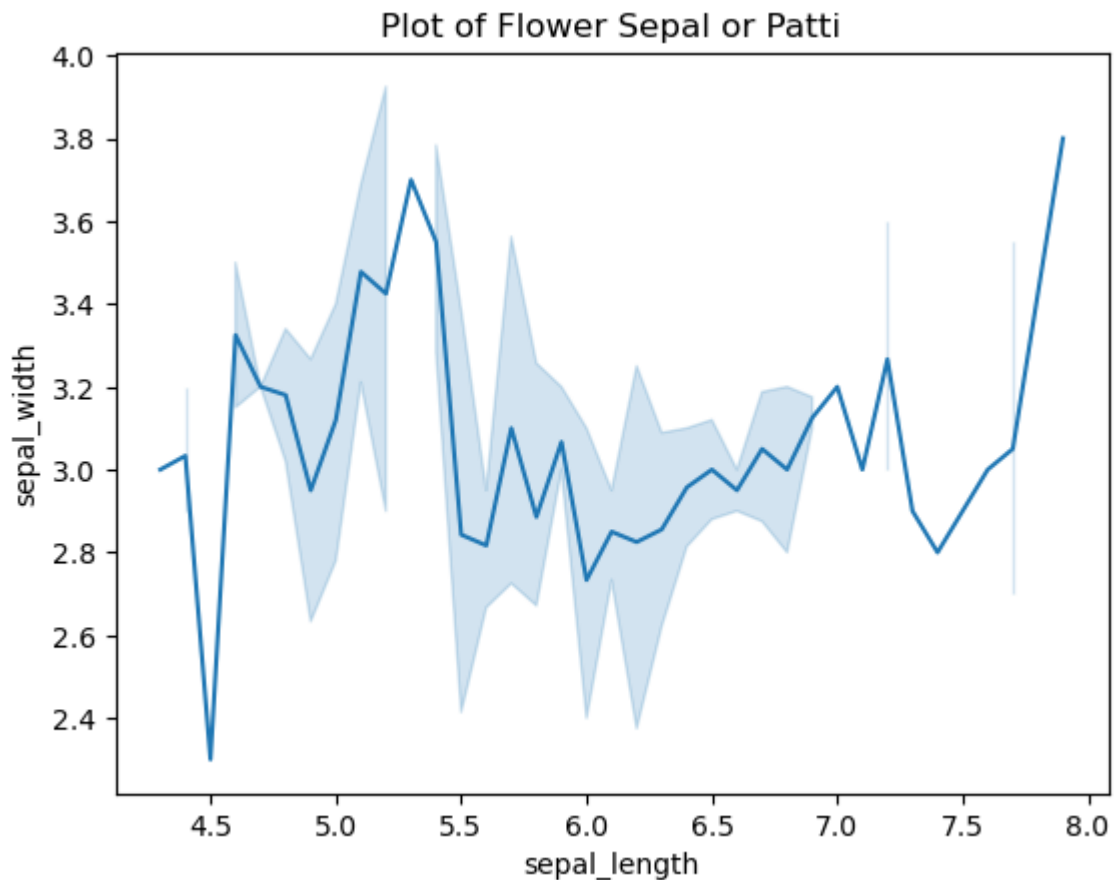


## Adding Titles

```
In [4]: # Import Libraries
import seaborn as sns
import matplotlib.pyplot as plt

# Load dataset
phool = sns.load_dataset('iris')
phool

#draw a line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("Plot of Flower Sepal or Patti")
plt.show()
```

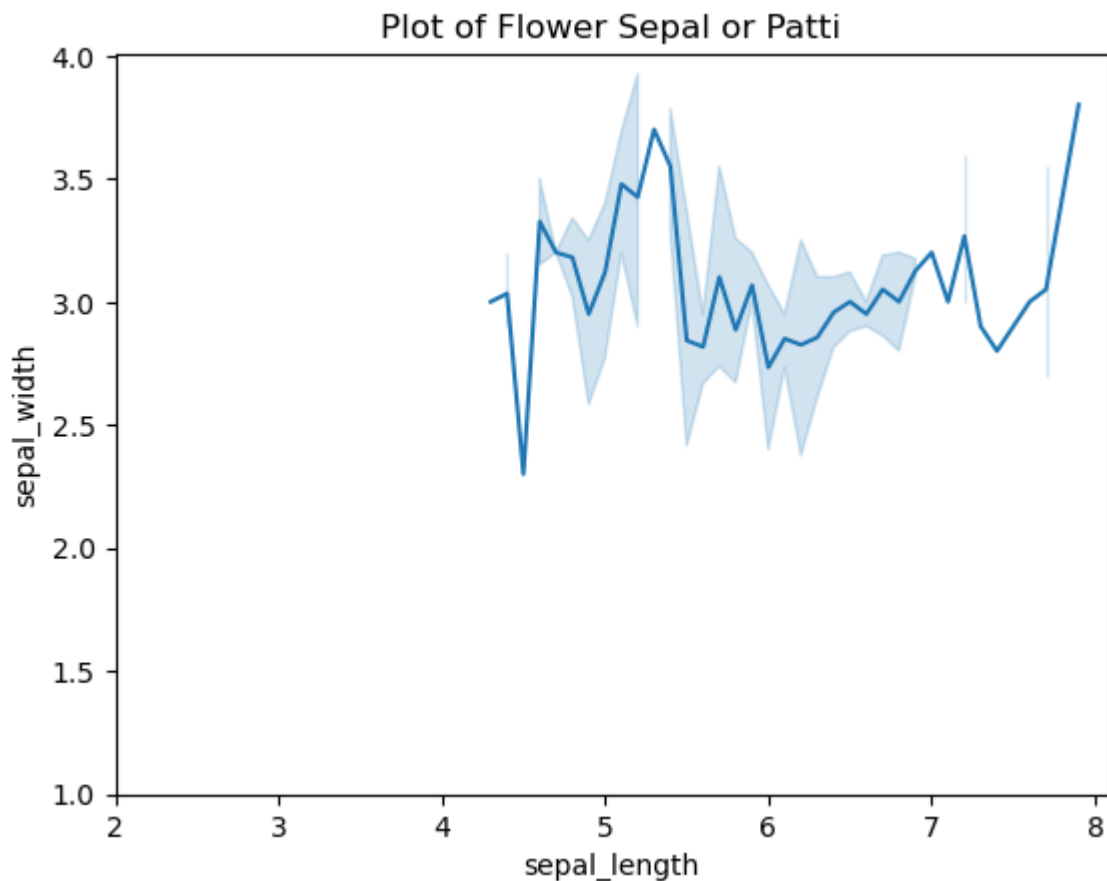


## Adding limits

```
In [5]: # Import Libraries
import seaborn as sns
import matplotlib.pyplot as plt

# Load dataset
phool = sns.load_dataset('iris')
phool

#draw a line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("Plot of Flower Sepal or Patti")
plt.xlim(2)
plt.ylim(1)
plt.show()
```

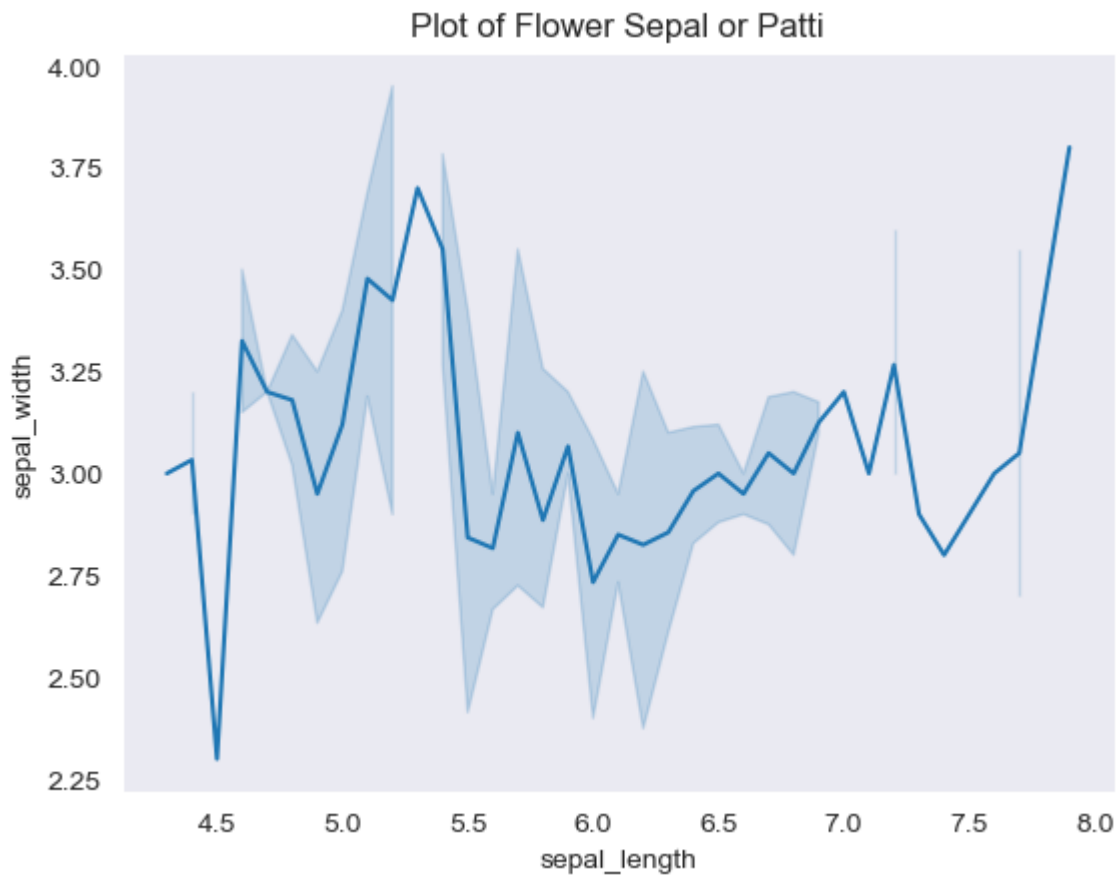


## Adding Styles

```
In [7]: # Import Libraries
import seaborn as sns
import matplotlib.pyplot as plt
sns.set_style(style=None,rc=None)

# Load dataset
phool = sns.load_dataset('iris')
phool

#draw a line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("Plot of Flower Sepal or Patti")
sns.set_style("dark")
plt.show()
```



## Size of Figure

```
In [8]: # Import Libraries
import seaborn as sns
import matplotlib.pyplot as plt

# Load dataset
phool = sns.load_dataset('iris')

# Change figure
plt.figure(figsize=(10,8))

#draw a line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("Plot of Flower Sepal or Patti")
plt.show()
```

