

# Line and bar plots

the first thing is to import libraries

- numpy
- seaborn
- pandas
- matplotlib

```
In [ ]: import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd
import numpy as np
```

Now load the dataset

```
In [ ]: flower= sns.load_dataset("iris")
```

```
In [ ]: flower
```

```
Out[ ]:
```

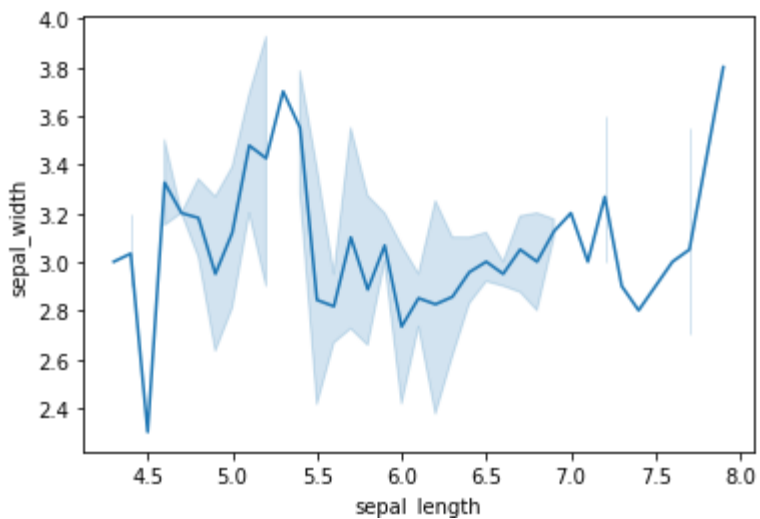
	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	setosa
1	4.9	3.0	1.4	0.2	setosa
2	4.7	3.2	1.3	0.2	setosa
3	4.6	3.1	1.5	0.2	setosa
4	5.0	3.6	1.4	0.2	setosa
...	...	...	...	...	...
145	6.7	3.0	5.2	2.3	virginica
146	6.3	2.5	5.0	1.9	virginica
147	6.5	3.0	5.2	2.0	virginica
148	6.2	3.4	5.4	2.3	virginica
149	5.9	3.0	5.1	1.8	virginica

150 rows × 5 columns

now draw a line plot

```
In [ ]: sns.lineplot(x="sepal_length", y= "sepal_width", data= flower)
plt.show
```

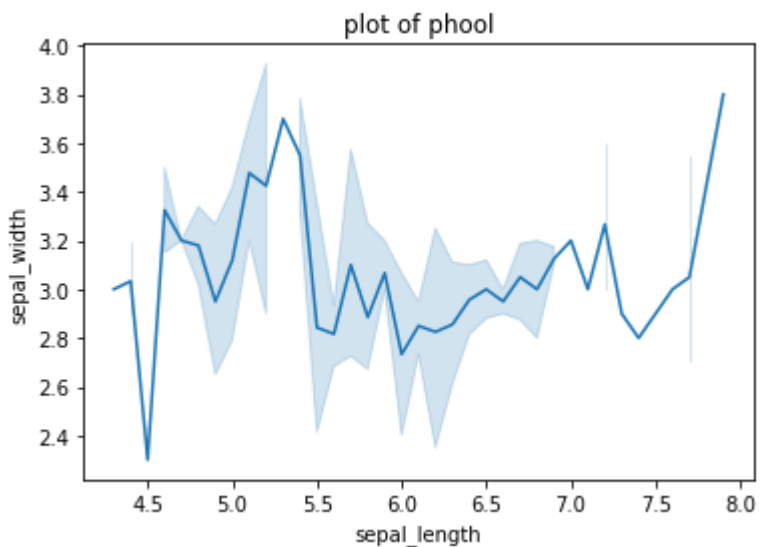
```
Out[ ]: <function matplotlib.pyplot.show(close=None, block=None)>
```



## Now how to write a tital

```
In [ ]: sns.lineplot(x="sepal_length", y="sepal_width", data=flower)
plt.title("plot of phool")
plt.show
```

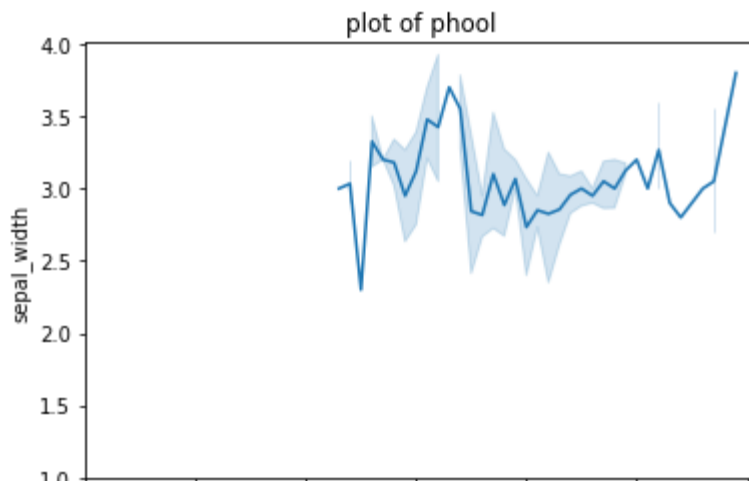
```
Out[ ]: <function matplotlib.pyplot.show(close=None, block=None)>
```



## Adding limits

```
In [ ]: sns.lineplot(x="sepal_length", y="sepal_width", data=flower)
plt.title("plot of phool")
plt.xlim(2)
plt.ylim(1)
plt.show
```

```
Out[ ]: <function matplotlib.pyplot.show(close=None, block=None)>
```

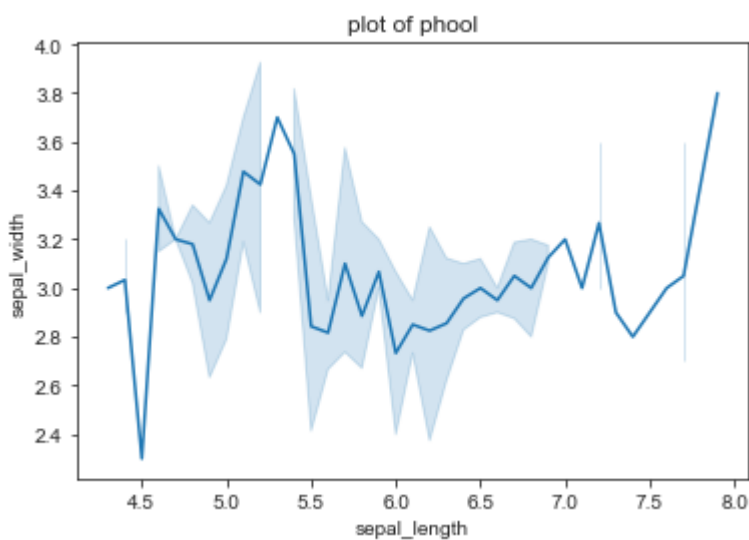


## Now how to set style

- dark
- white
- ticks
- whitegrid

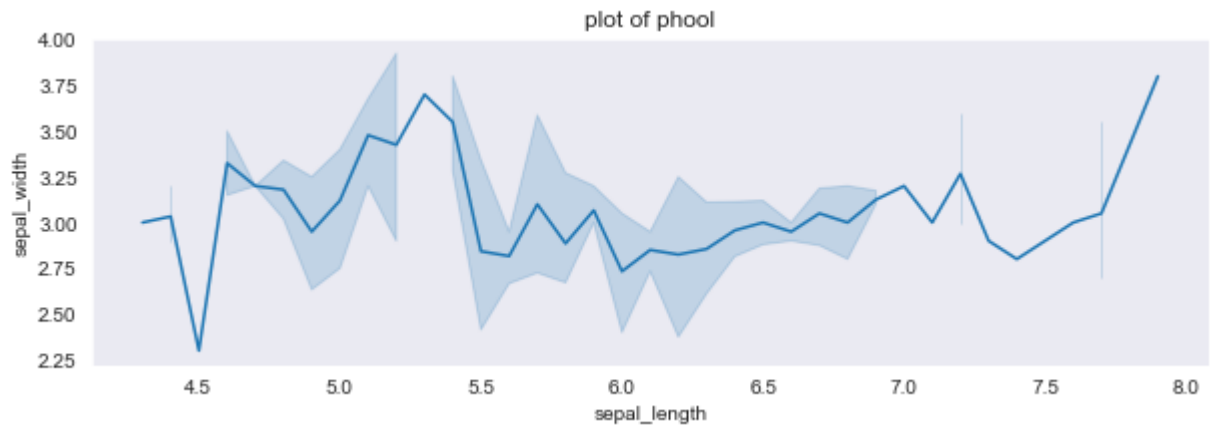
```
In [ ]: sns.set_style(style=None, rc = None)
#this was assignment and done
#before changing of style you mast set_style as None
sns.lineplot(x="sepal_length", y= "sepal_width", data= flower)
plt.title("plot of phool")
sns.set_style("dark")
plt.show
```

```
Out[ ]: <function matplotlib.pyplot.show(close=None, block=None)>
```



## Now size and figure

```
In [ ]: plt.figure(figsize= (10,3))
sns.lineplot(x="sepal_length", y= "sepal_width", data= flower)
plt.title("plot of phool")
sns.set_style("dark")
```



```
In [ ]:
```