Import Libraries

- Seaborn automatically installs these libraries
- numpy
- scipy
- pandas
- matplotlib

In [2]:
```
# import Libraries
import seaborn as sns
import matplotlib as plt

# load datasets
phool=sns.load_dataset("iris")
phool
```

Out[2]:

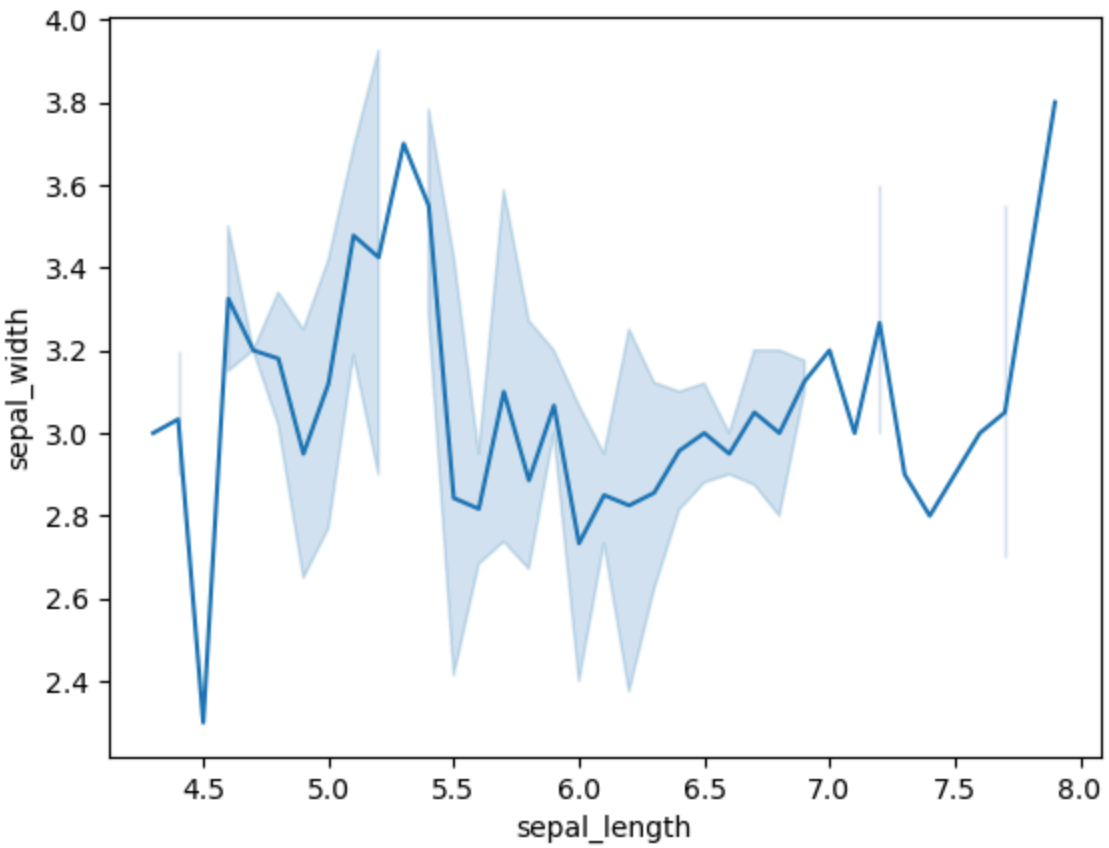
	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	setosa
1	4.9	3.0	1.4	0.2	setosa
2	4.7	3.2	1.3	0.2	setosa
3	4.6	3.1	1.5	0.2	setosa
4	5.0	3.6	1.4	0.2	setosa
...	...	...	...	...	...
145	6.7	3.0	5.2	2.3	virginica
146	6.3	2.5	5.0	1.9	virginica
147	6.5	3.0	5.2	2.0	virginica
148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

150 rows × 5 columns

1-line plot

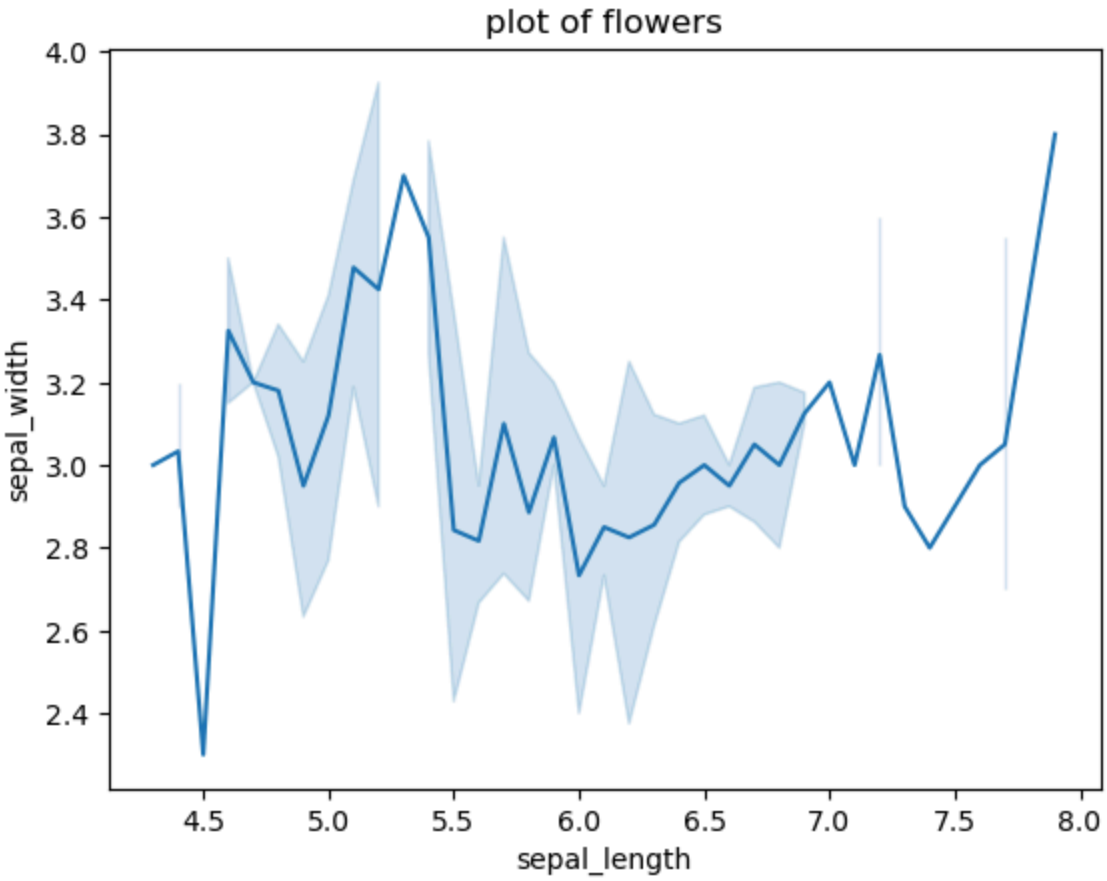
In [4]:
```
# step-1
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
# step-2
# load Data set
```

```
phool=sns.load_dataset("iris")
# step-3
# Draw line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.show()
```



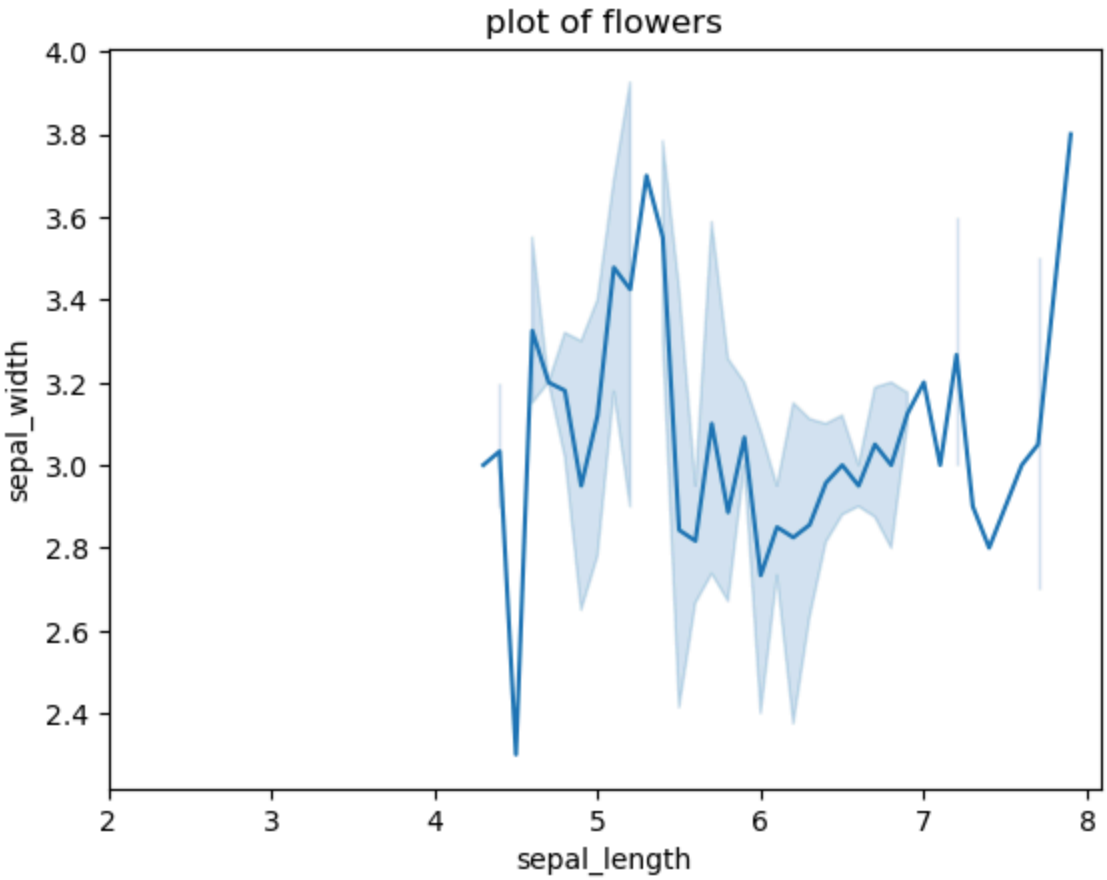
-Adding title

In [6]:
```
# step-1
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
# step-2
# load Data set
phool=sns.load_dataset("iris")
# step-3
# Draw line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("plot of flowers")
plt.show()
```

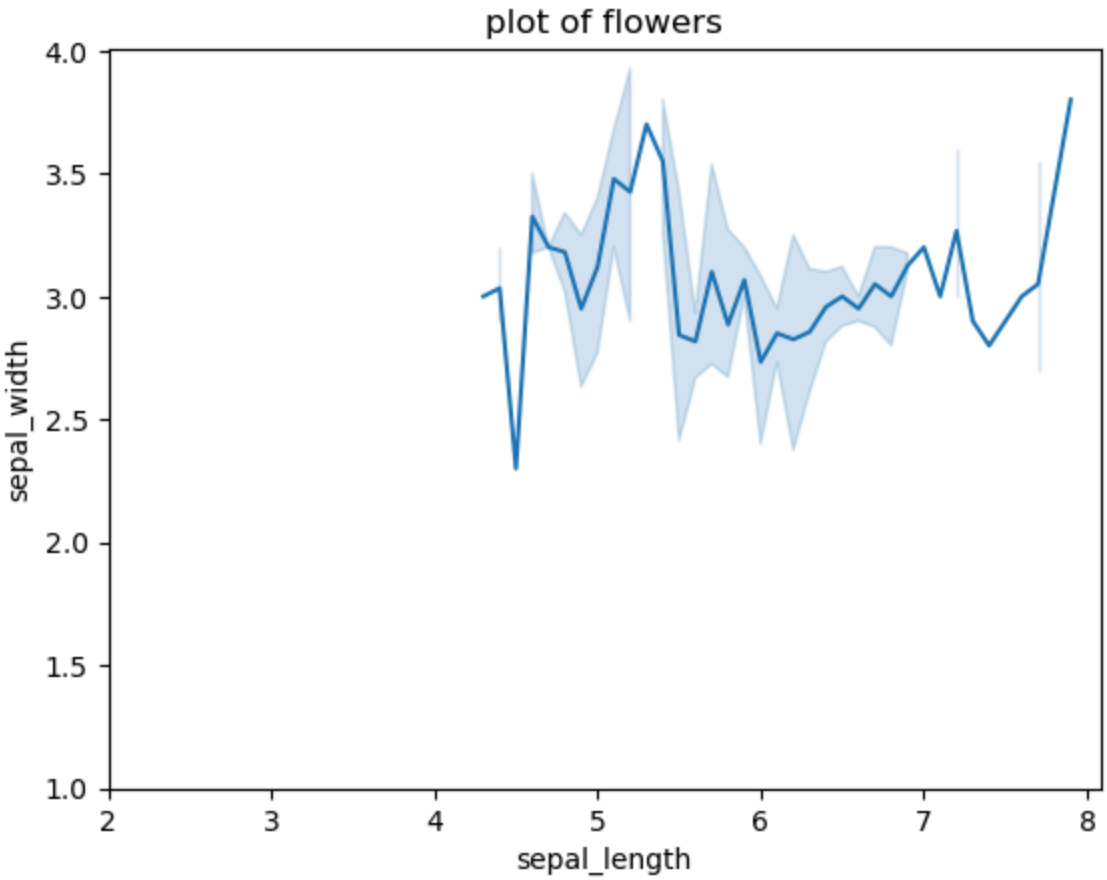


-Adding limite

In [8]:
```
# step-1
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
# step-2
# load Data set
phool=sns.load_dataset("iris")
# step-3
# Draw line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("plot of flowers")
plt.xlim(2)
plt.show()
```



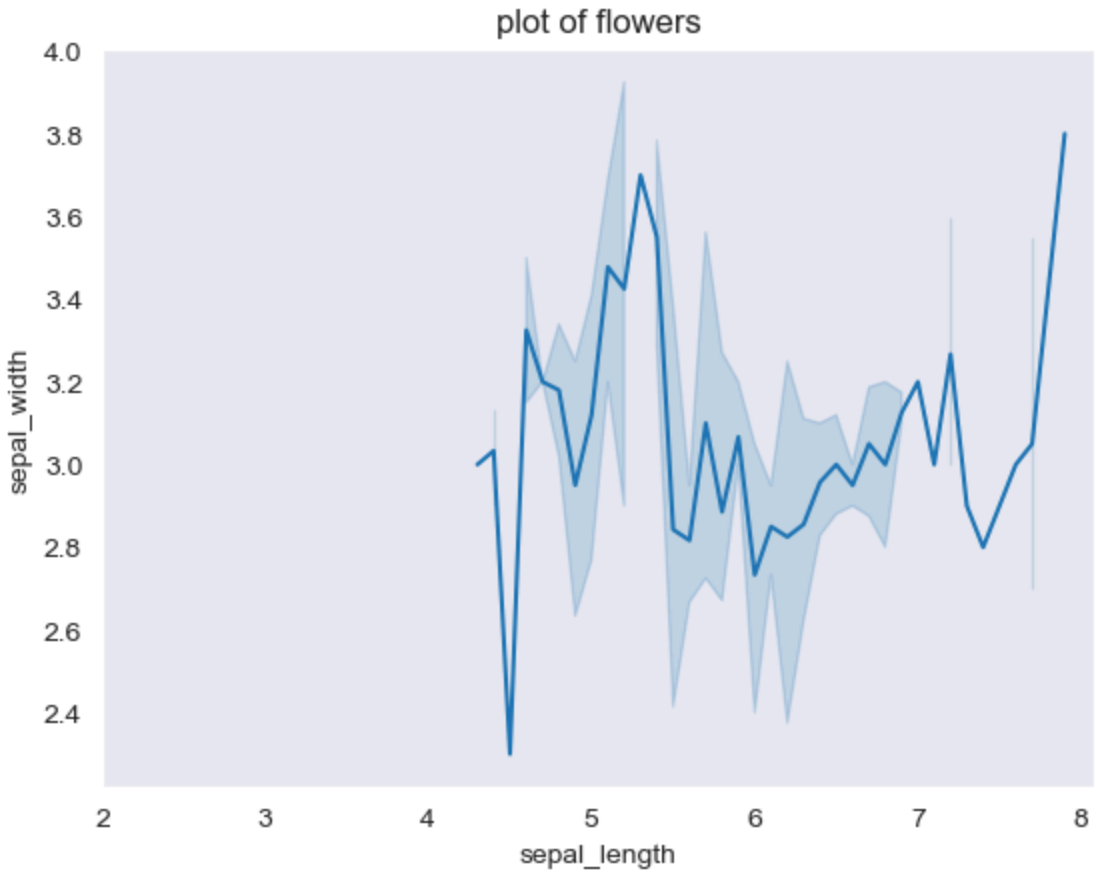
In [9]:
```
# step-1
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
# step-2
# load Data set
phool=sns.load_dataset("iris")
# step-3
# Draw line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("plot of flowers")
plt.xlim(2)
plt.ylim(1)
plt.show()
```



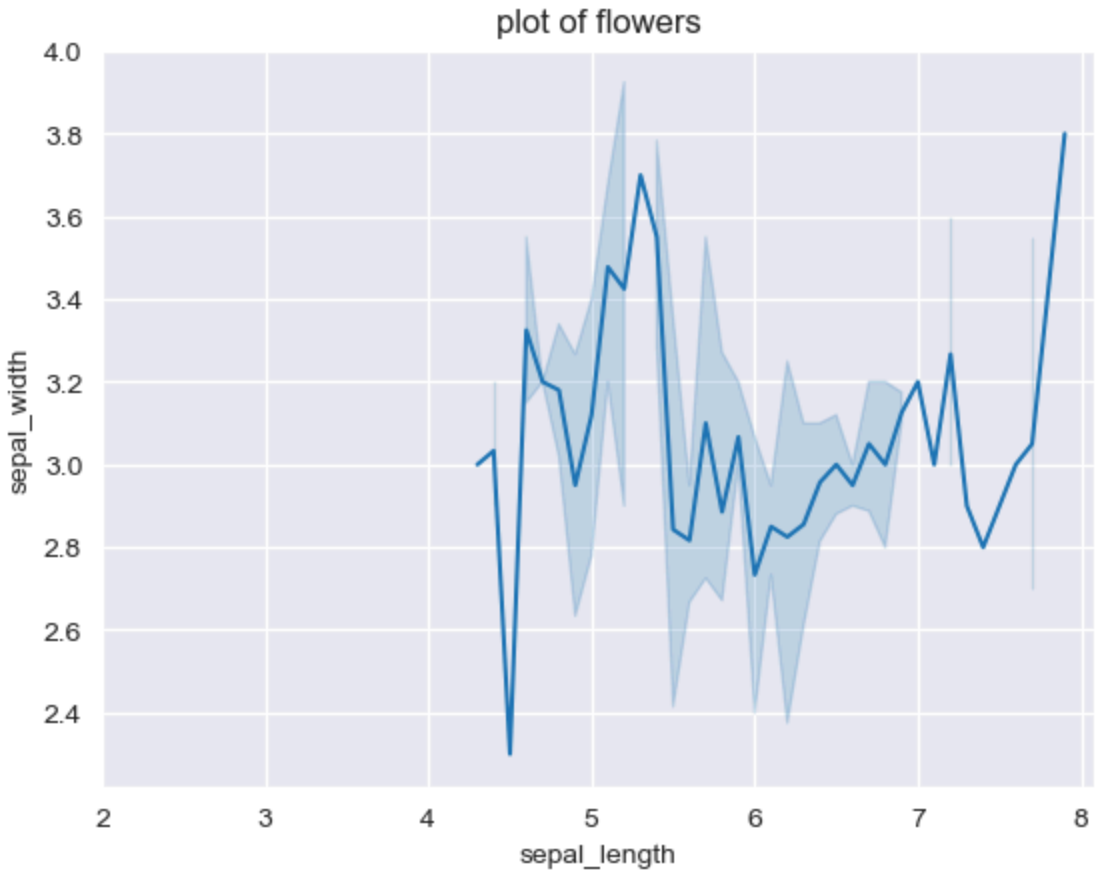
-set style

- Dark Grid
- white Grid
- Dark
- white
- ticks

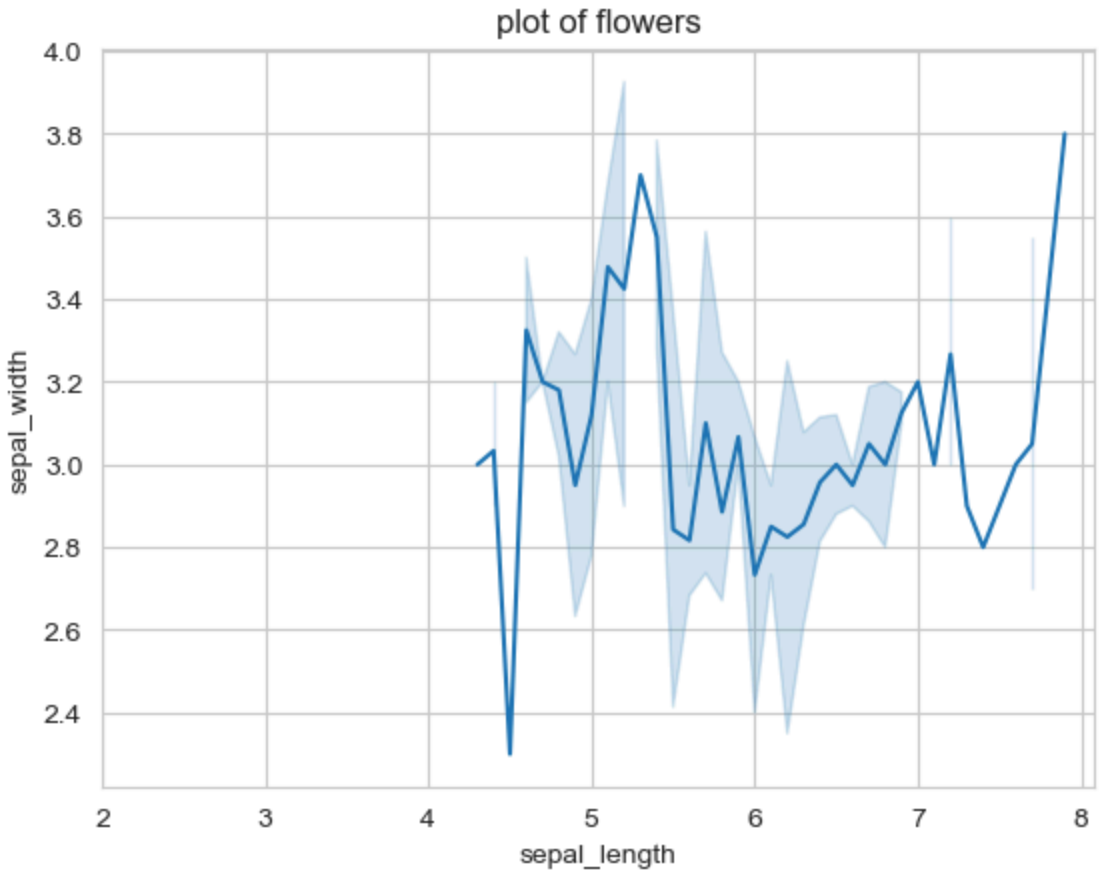
In [22]:
```
# step-1
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
# step-2
# load Data set
phool=sns.load_dataset("iris")
sns.set_style('dark')
# step-3
# Draw line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("plot of flowers")
plt.xlim(2)
plt.show()
```



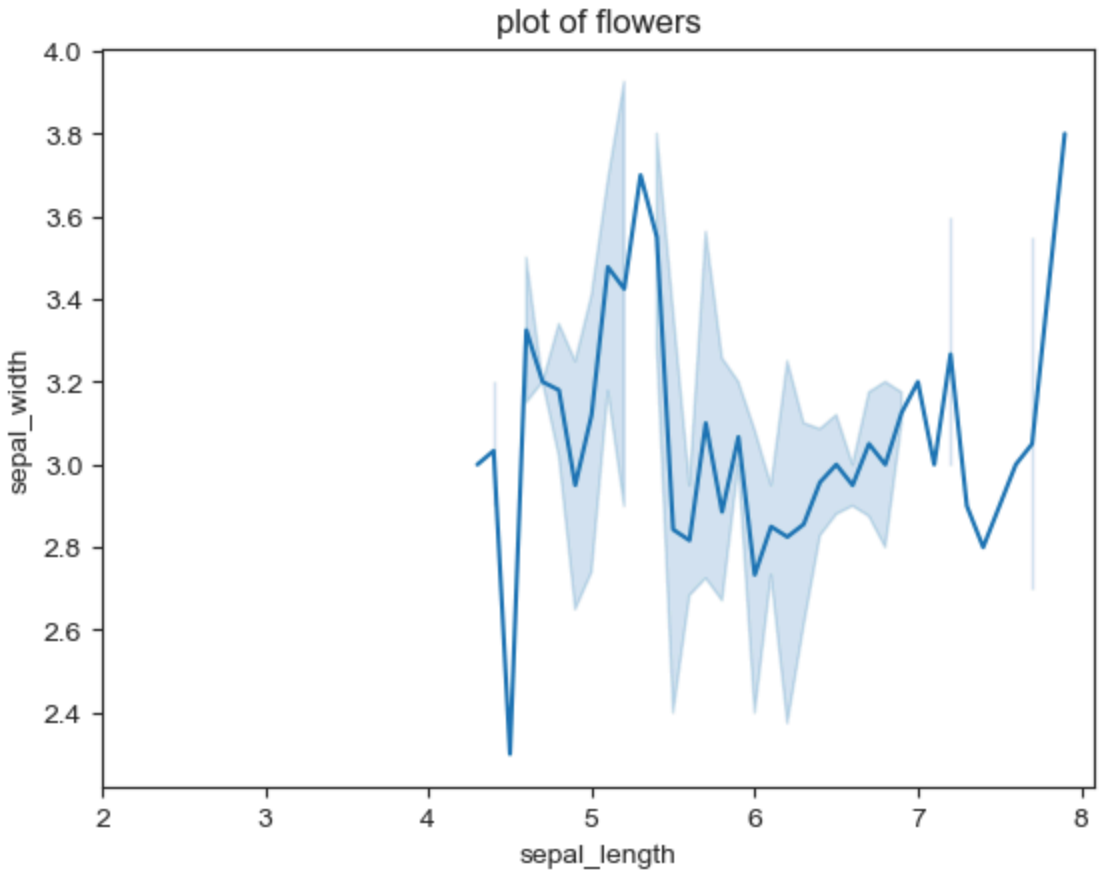
In [34]:
```
# step-1
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
# step-2
# load Data set
phool=sns.load_dataset("iris")
sns.set_style('darkgrid')
# step-3
# Draw line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("plot of flowers")
plt.xlim(2)
plt.show()
```



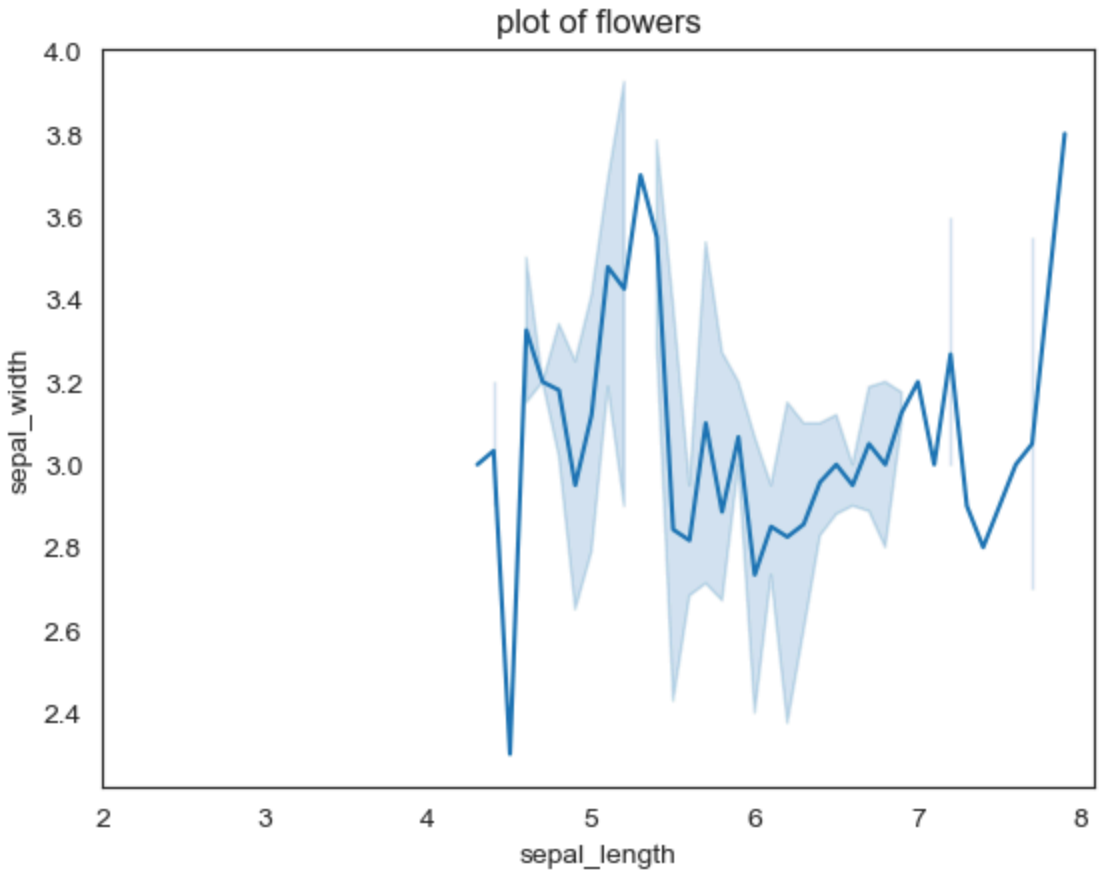
In [36]:
```
# step-1
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
# step-2
# load Data set
phool=sns.load_dataset("iris")
sns.set_style('whitegrid')
# step-3
# Draw line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("plot of flowers")
plt.xlim(2)
plt.show()
```



In [38]:
```
# step-1
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
# step-2
# load Data set
phool=sns.load_dataset("iris")
sns.set_style('ticks')
# step-3
# Draw line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("plot of flowers")
plt.xlim(2)
plt.show()
```



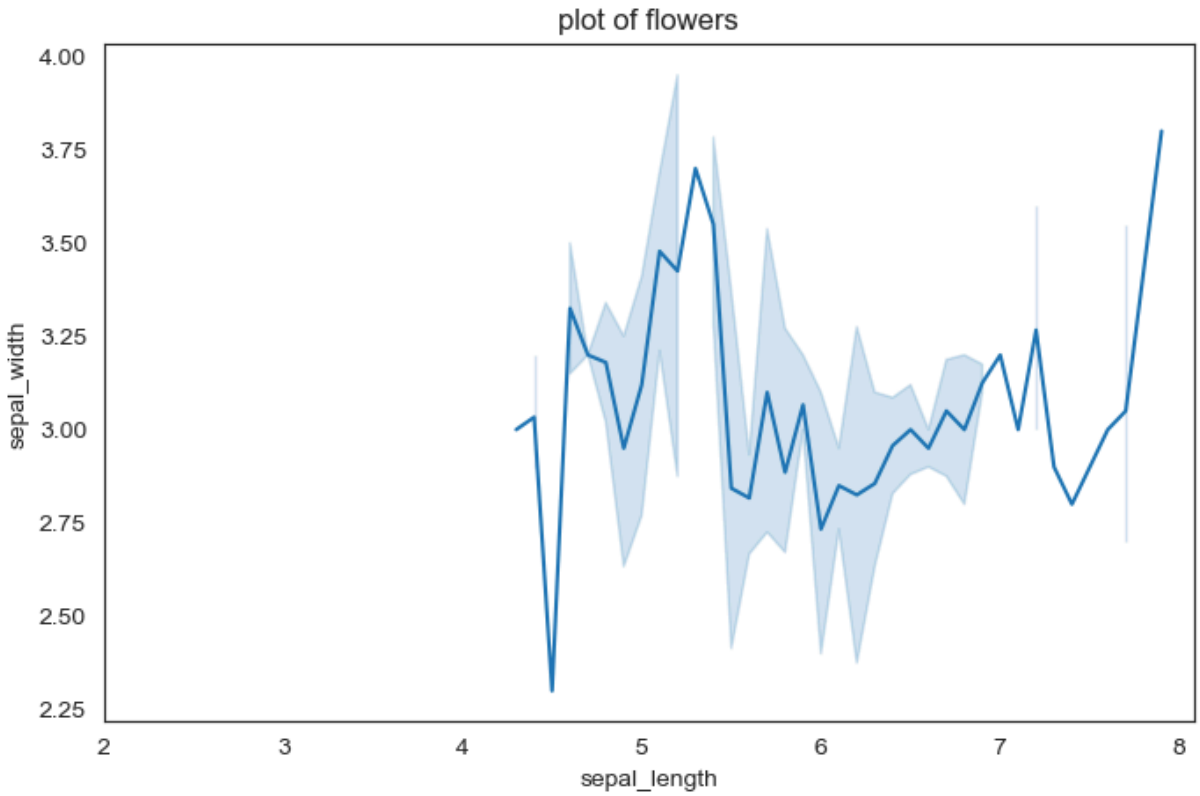
In [40]:
```
# step-1
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
# step-2
# load Data set
phool=sns.load_dataset("iris")
sns.set_style('white')
# step-3
# Draw line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("plot of flowers")
plt.xlim(2)
plt.show()
```



In [ ]:

-Size and Figure

In [56]:
```
# step-1
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt
# step-2
# load Data set
phool=sns.load_dataset("iris")
# change figure (width,length)
plt.figure(figsize=(8,5))
# step-3
# Draw line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("plot of flowers")
plt.xlim(2)
plt.show()
```


plot of flowers
4.00
3.75
3.50
3.25
3.00
2.75
2.50
2.25
sepal_width
2
3
4
5
6
7
8
sepal_length