Session4_lineplot

January 16, 2022

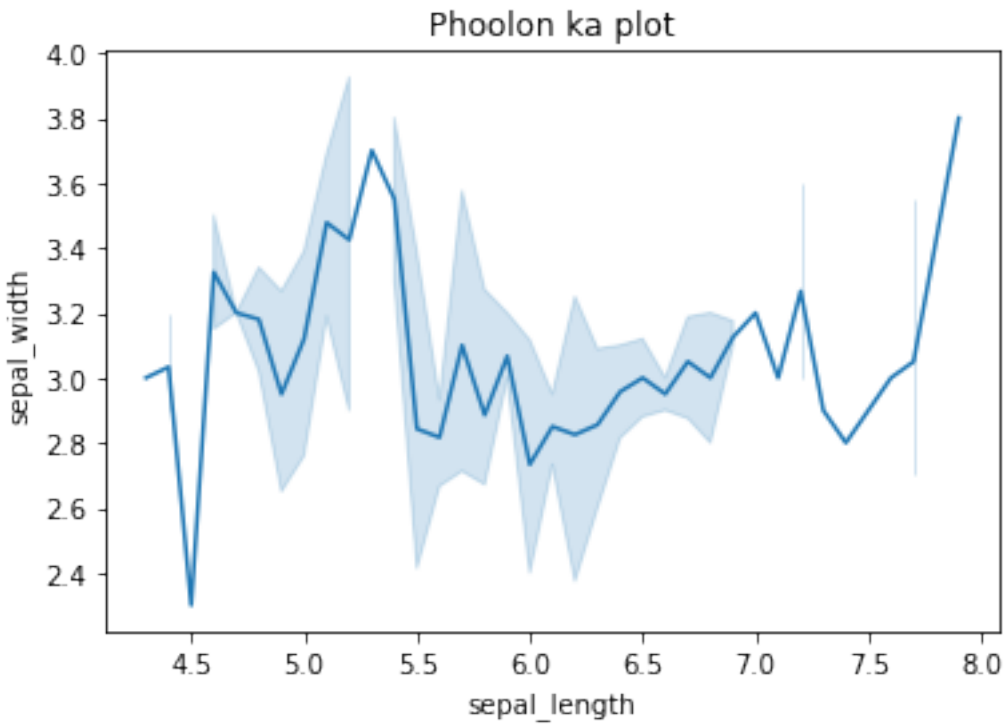
1 Import Libraries

- seaborn automatically import these libraries
- numpy
- scipy
- pandas
- matplotlib

1.0.1 Title with line plot

[ ]:
```
# import libraries
import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd

#load data set
phool = sns.load_dataset("iris")
phool

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

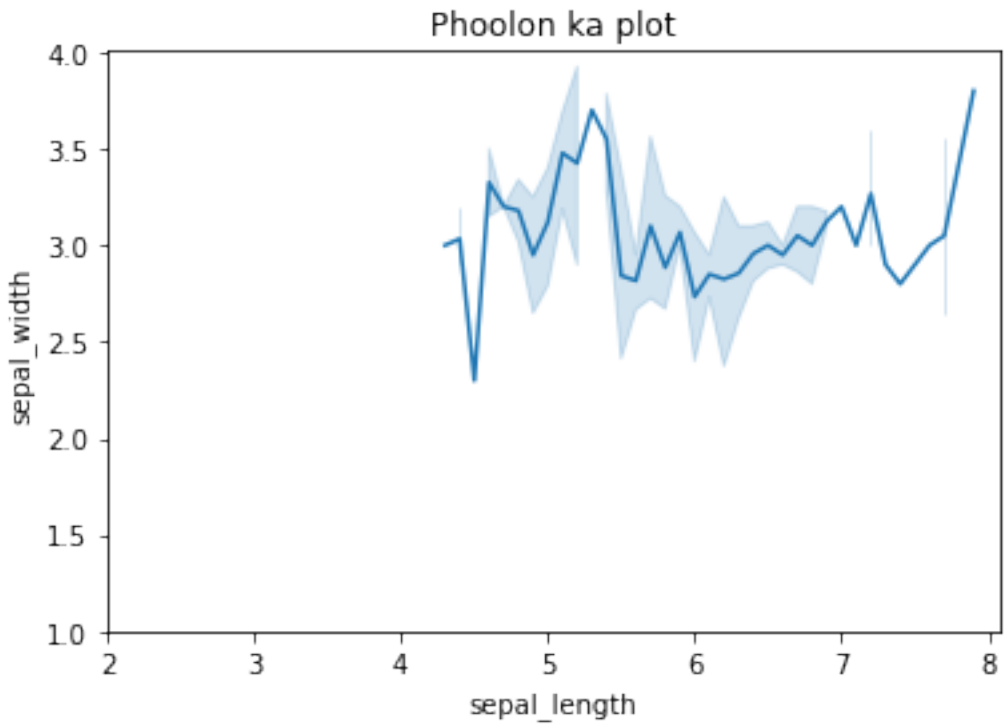
[ ]:
```
<function matplotlib.pyplot.show(close=None, block=None)>
```



1.0.2 Defining x and y limits

[ ]:
```
# import libraries
import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd

#load data set
phool = sns.load_dataset("iris")
phool

#draw a line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("Phoolon ka plot")
plt.xlim(2)
plt.ylim(1)
plt.show
```

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



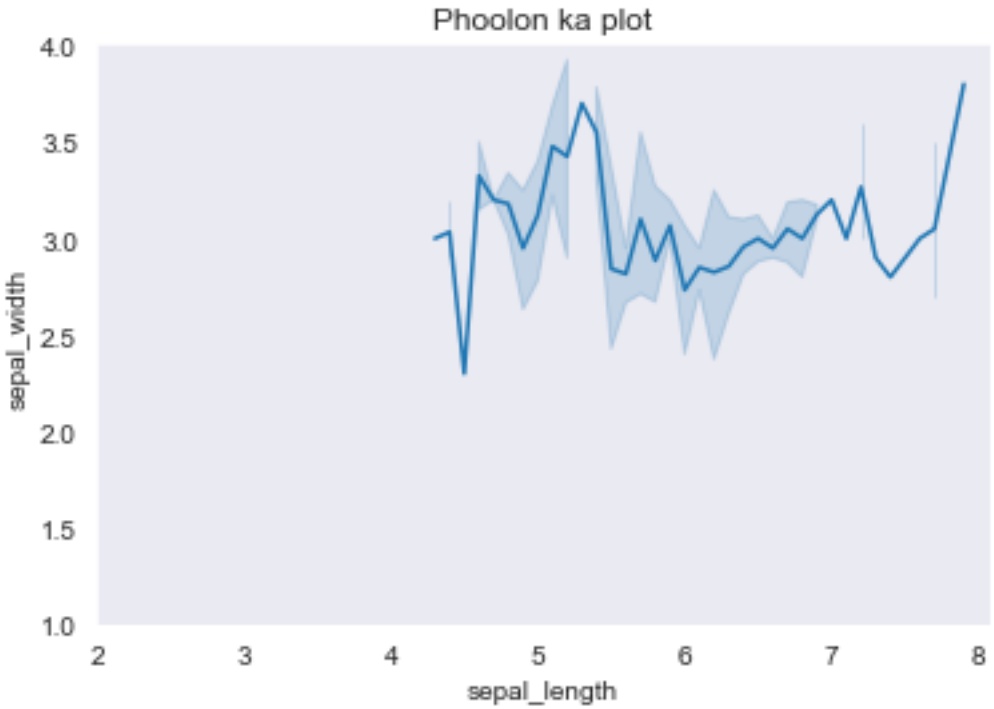
1.0.3 Set styles

- darkgrid
- White grid
- dark
- white
- ticks

[ ]:
```
# import libraries
import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd

#load data set
phool = sns.load_dataset("iris")
phool

#draw a line plot
sns.lineplot(x="sepal_length",y="sepal_width",data=phool)
plt.title("Phoolon ka plot")

#style
sns.set_style(style=None, rc=None)
```

```
sns.set_style("dark")

#limits x and y
plt.xlim(2)
plt.ylim(1)
plt.show
```

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

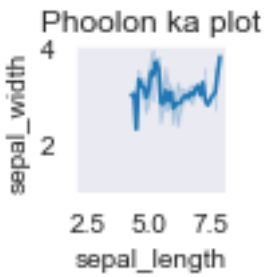


1.0.4 Size of figures

[ ]:
```
# import libraries
import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd

#load data set
phool = sns.load_dataset("iris")
phool

#figure size
plt.figure(figsize=(1,1))
```

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

#style
sns.set_style(style=None, rc=None)
sns.set_style("dark")

#limits x and y
plt.xlim(2)
plt.ylim(1)




plt.show
```

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



[ ]:
```
phool
```

[ ]:

	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 x 5 columns]