

Could not connect to the reCAPTCHA service. Please check your internet connection and reload to get a reCAPTCHA challenge.

Data Visualization

▼ Step 1 Import Libraries

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

▼ step 2 Load Dataset

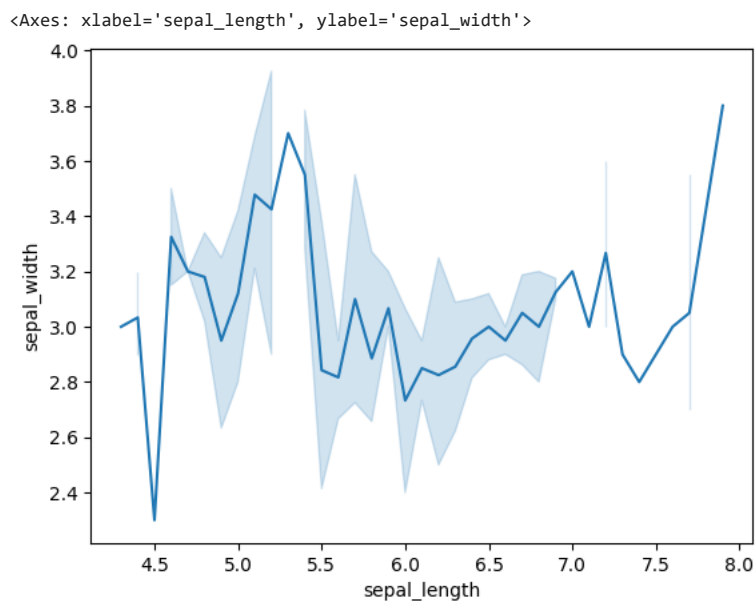
This is formatted as code

```
iris = sns.load_dataset("iris")
iris.head()
```

	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

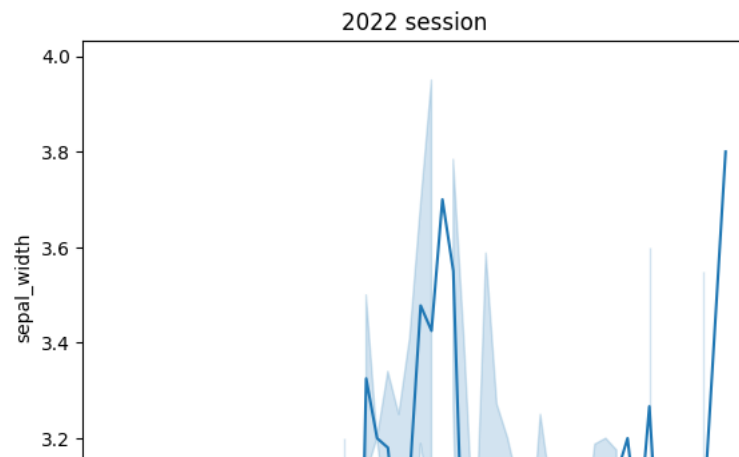
▼ Step 3 Plot a Graph

```
sns.lineplot(x="sepal_length",y="sepal_width",data=iris)
```



```
sns.lineplot(x="sepal_length",y="sepal_width",data=iris)
plt.xlim(2)
plt.ylim(3)
plt.title("2022 session")
```

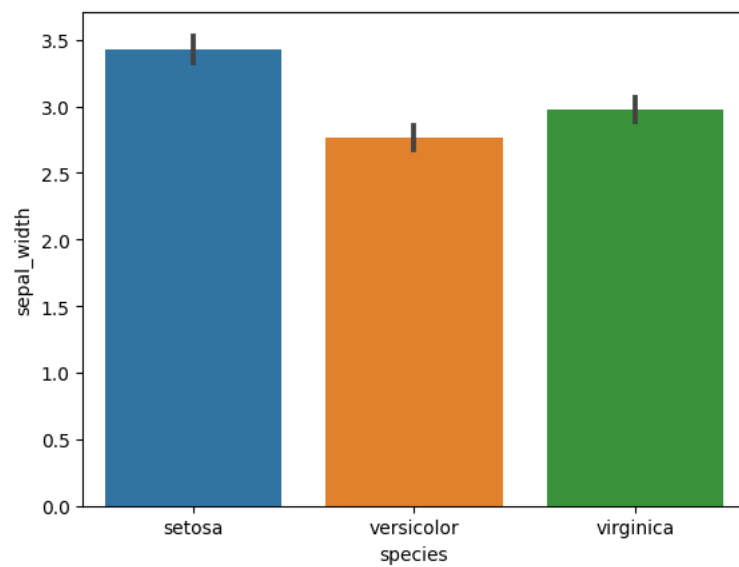
```
Text(0.5, 1.0, '2022 session')
```



▼ bar plot

```
sns.barplot(x="species",y="sepal_width",data=iris)
```

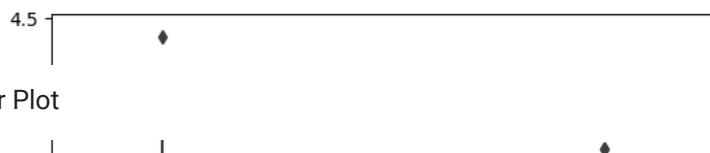
<Axes: xlabel='species', ylabel='sepal_width'>



▼ BoxPlot

```
sns.boxplot(x="species",y="sepal_width",data=iris)
```

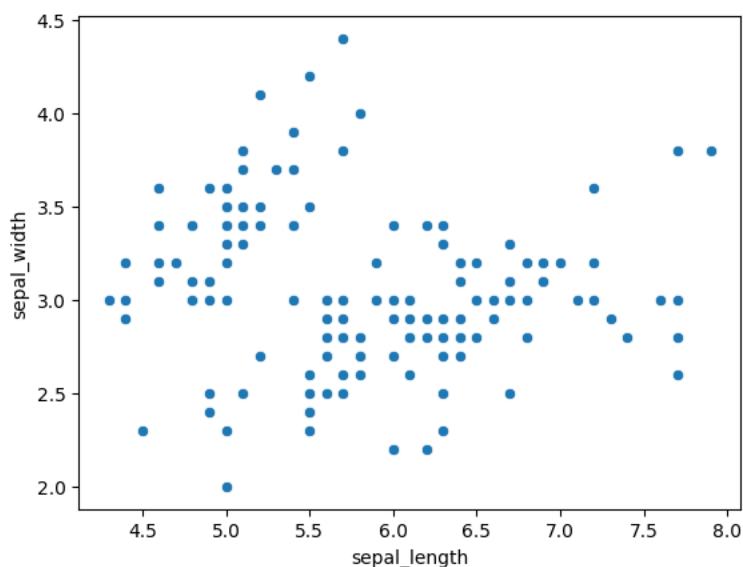
```
<Axes: xlabel='species', ylabel='sepal_width'>
```



▼ Scatter Plot

```
sns.scatterplot(x="sepal_length",y="sepal_width",data=iris)
```

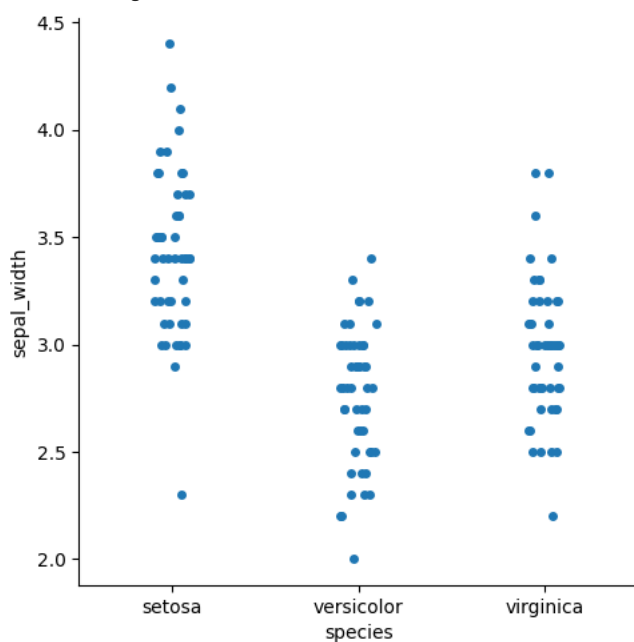
```
<Axes: xlabel='sepal_length', ylabel='sepal_width'>
```



▼ catplot

```
sns.catplot(x="species",y="sepal_width",data=iris color=)
```

```
<seaborn.axisgrid.FacetGrid at 0x7fd30e146110>
```



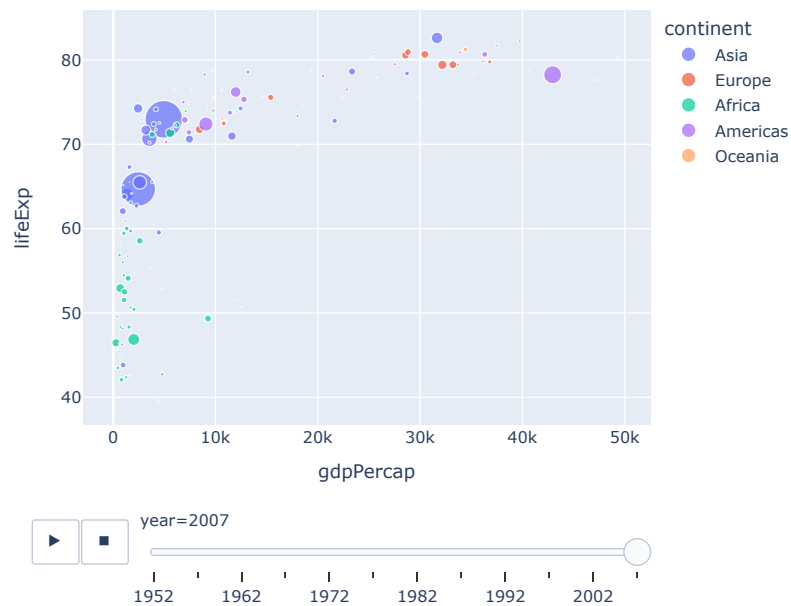
```
sns.heatmap(x="sepal_length",y="sepal_width",data=iris)
```

```
import plotly.express as px
fig = px.scatter(iris , x="sepal_width",y="sepal_length",color="species",size="petal_length",hover_data=["petal_width"])
fig.show()
```





```
import plotly.express as px
gapminder = px.data.gapminder()
fig = px.scatter(gapminder, x="gdpPerCap", y="lifeExp", animation_frame="year", animation_group="country",
                 size="pop", color="continent", hover_name="country")
fig.show()
```



```
import plotly.express as px
gapminder=px.data.gapminder()
fig=px.scatter(gap,innder,x="gdpPrecap",y="lifeExp",animation_frame="year",animation_group="count",size="pop",color="continent",hover_name="co
fig.show()
```

```
-----  
NameError                                Traceback (most recent call last)  
<ipython-input-17-3e72a8901015> in <cell line: 3>()  
    1 import plotly.express as px  
    2 gapminder=px.data.gapminder()  
----> 3  
fig=px.scatter(gap, inder, x="gdpPrecap", y="lifeExp", animation_frame="year", animation_group="count", size:  
    4 fig.show()  
  
NameError: name 'gap' is not defined
```

[Colab paid products](#) - [Cancel contracts here](#)

✓ 0s completed at 11:49 AM

