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 **manojcpatil** hi

last month



911 lines (911 loc) · 654 KB

**Preview**

[Code](#)

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```
In [3]: import pandas as pd
import numpy as np
import seaborn as sns
iris = sns.load_dataset("iris")
iris
```

```
Out[3]:
```

	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

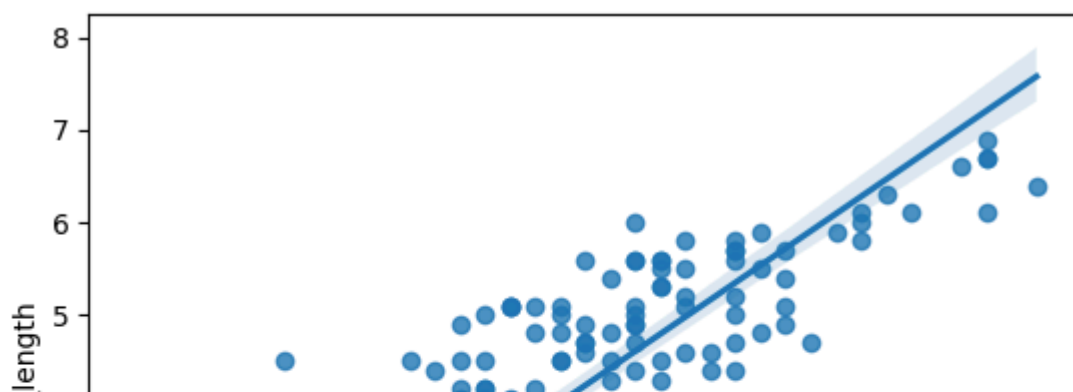
```
In [4]: #!/pip install seaborn
```

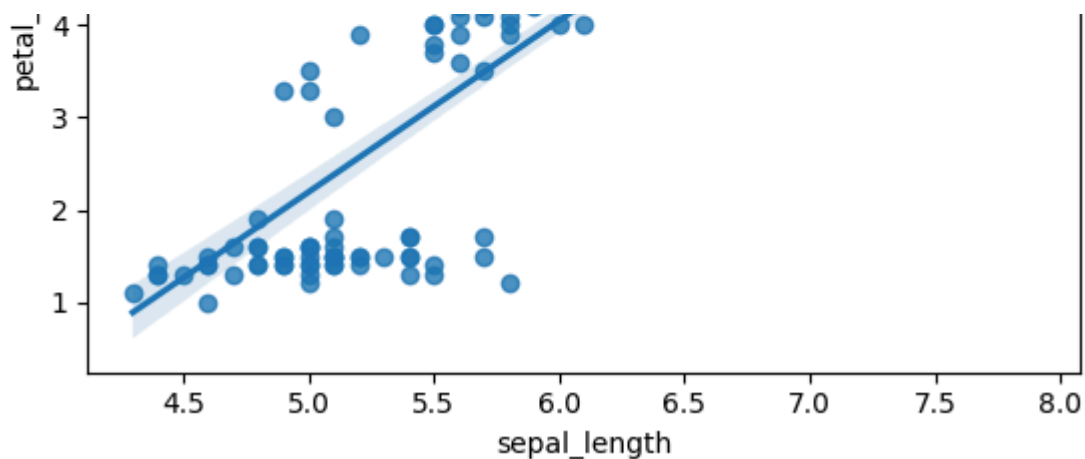
```
In [7]: iris.columns
```

```
Out[7]: Index(['sepal_length', 'sepal_width', 'petal_length', 'petal_width',
'species'],
dtype='object')
```

```
In [10]: sns.regplot(x="sepal_length", y='petal_length', data=iris)
```

```
Out[10]: <Axes: xlabel='sepal_length', ylabel='petal_length'>
```





In [16]: `sns.distplot(iris.sepal_length, kde=True)`

C:\Users\HP\AppData\Local\Temp\ipykernel\_17516\4260748696.py:1: UserWarning:

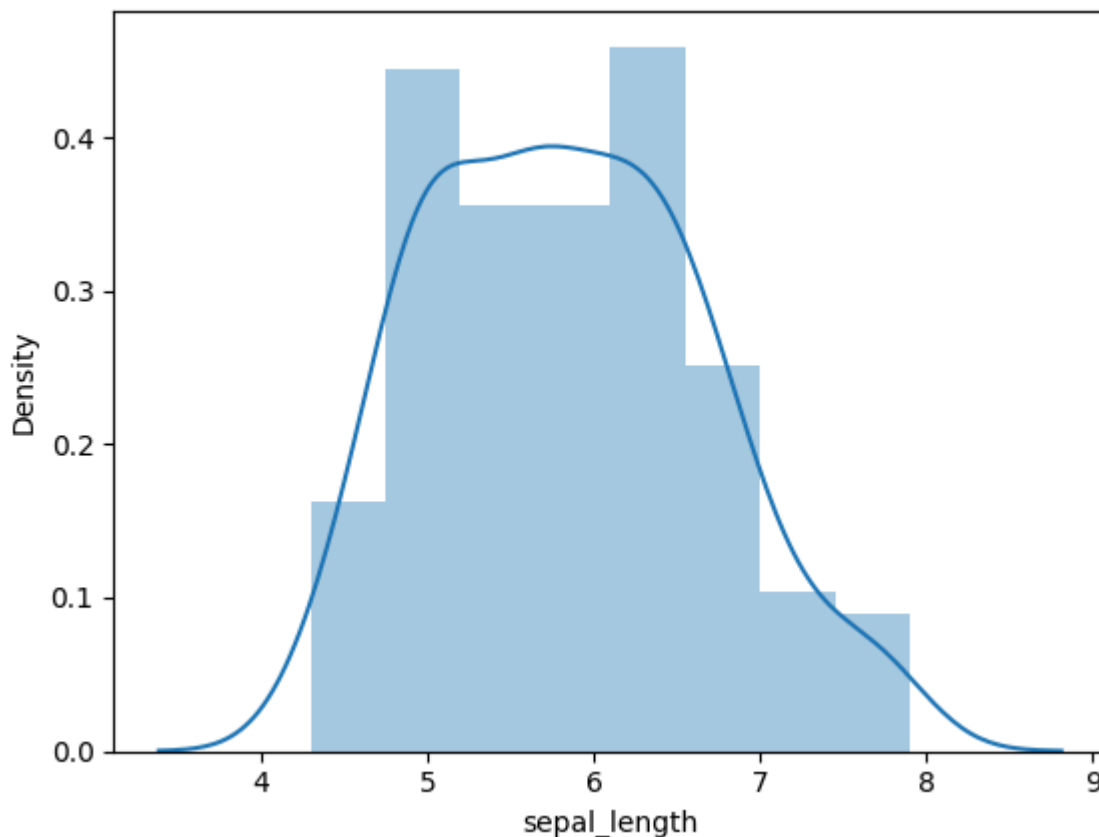
`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see <https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751>

`sns.distplot(iris.sepal_length, kde=True)`

Out[16]: `<Axes: xlabel='sepal_length', ylabel='Density'>`

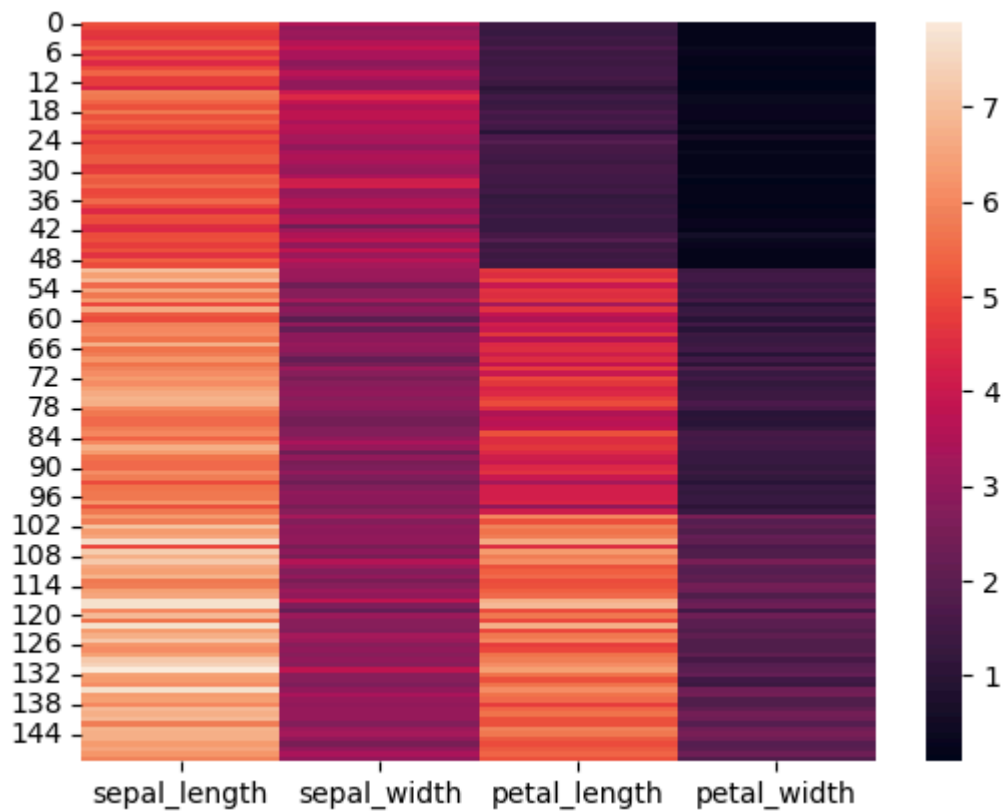


```
In [23]: iris.columns
```

```
Out[23]: Index(['sepal_length', 'sepal_width', 'petal_length', 'petal_width',  
              'species'],  
              dtype='object')
```

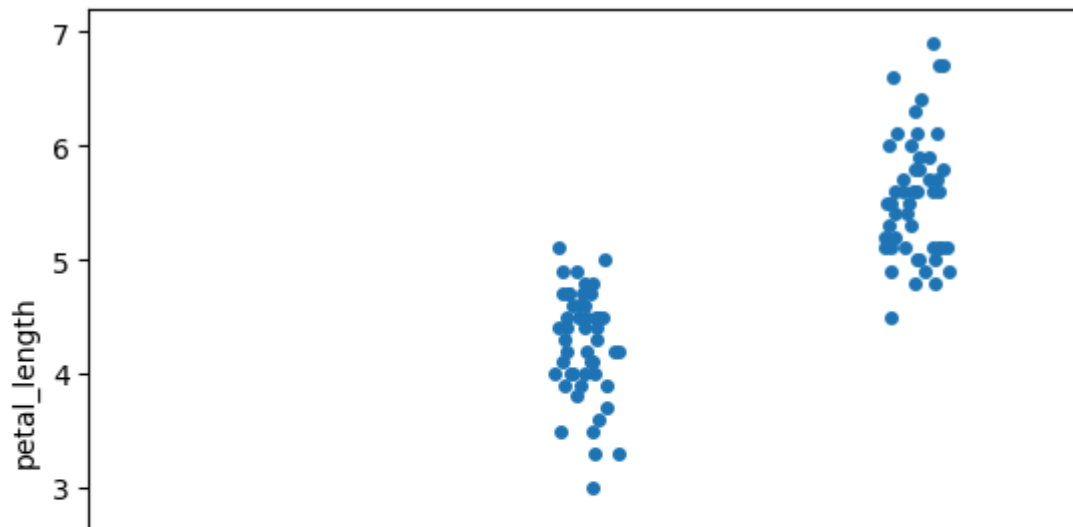
```
In [27]: sns.heatmap(iris[['sepal_length', 'sepal_width', 'petal_length', 'petal_wi
```

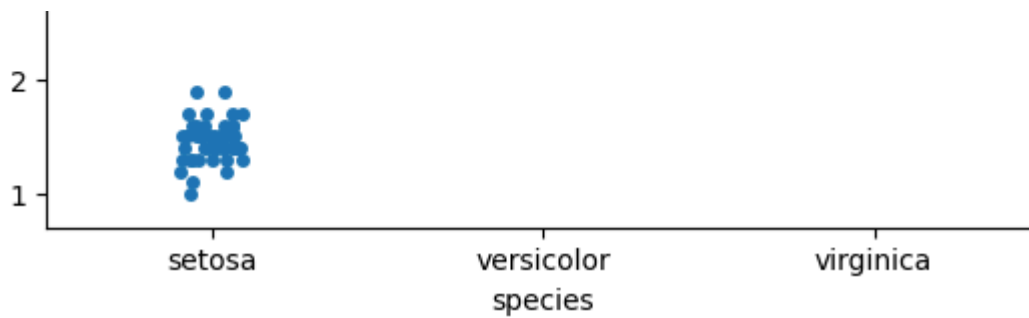
```
Out[27]: <Axes: >
```



```
In [28]: sns.stripplot(x="species", y='petal_length', data=iris)
```

```
Out[28]: <Axes: xlabel='species', ylabel='petal_length'>
```

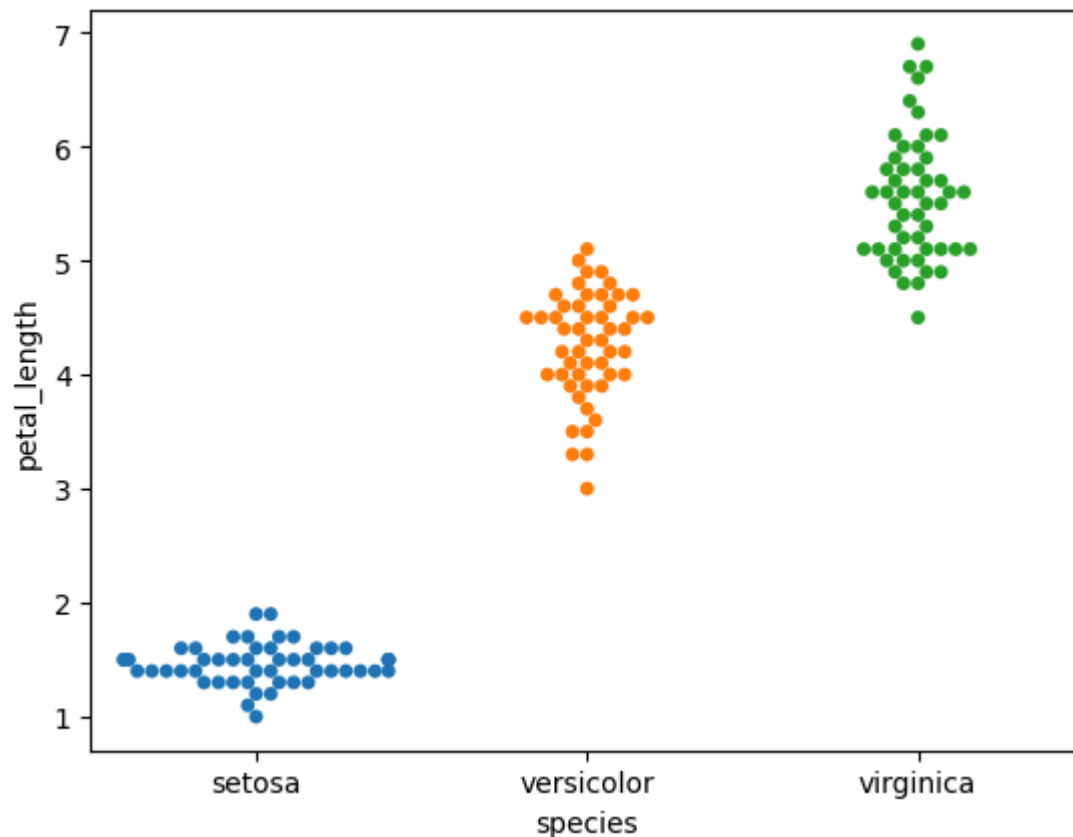




```
In [36]: sns.swarmplot(x="species", y='petal_length', hue='species',data=iris)
```

```
Out[36]: <Axes: xlabel='species', ylabel='petal_length'>
```

C:\Python312\Lib\site-packages\seaborn\categorical.py:3399: UserWarning: 12.0% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.  
warnings.warn(msg, UserWarning)



```
In [30]: titanic = sns.load_dataset("titanic")
```

```
In [31]: titanic
```

```
Out[31]:
```

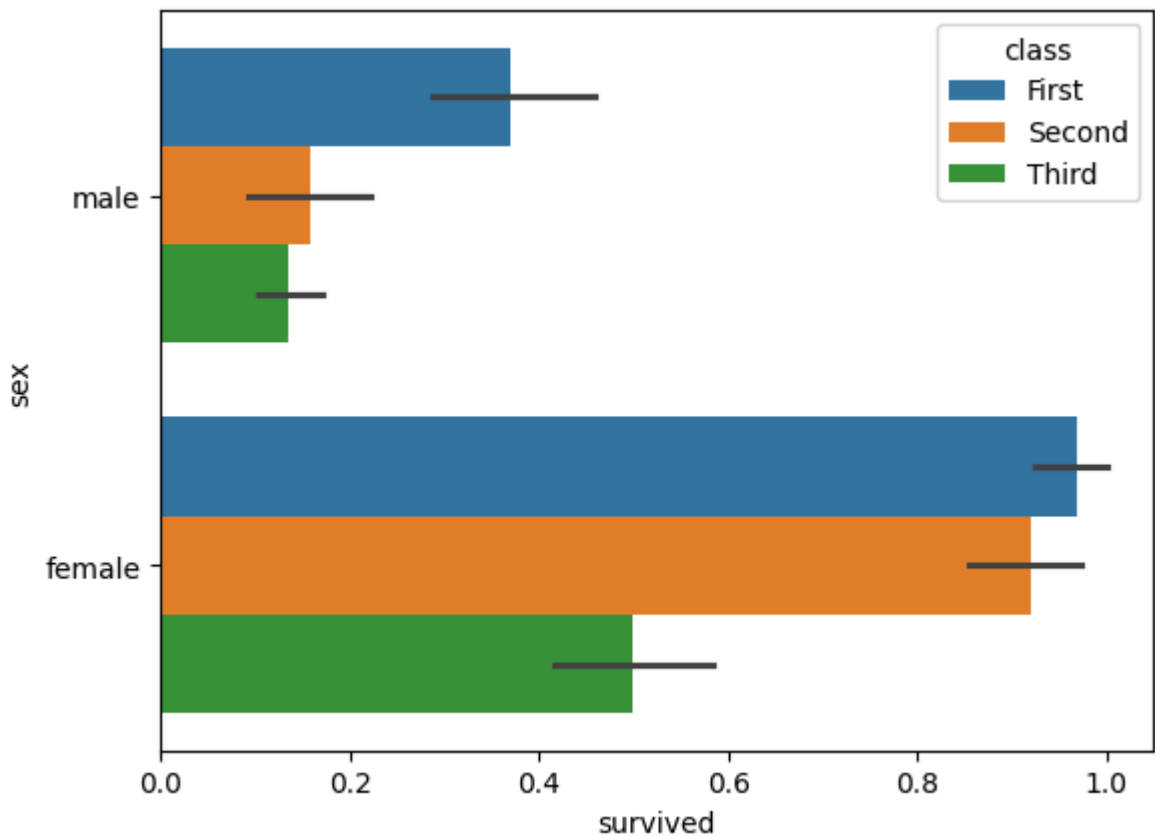
	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	a
0	0	3	male	22.0	1	0	7.2500	S	Third	man	
1	1	1	female	38.0	1	0	71.2833	C	First	woman	
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	

3	1	1	female	35.0	1	0	53.1000	S	First	woman
4	0	3	male	35.0	0	0	8.0500	S	Third	man
...	...	...	...	...	...	...	...	...	...	...
886	0	2	male	27.0	0	0	13.0000	S	Second	man
887	1	1	female	19.0	0	0	30.0000	S	First	woman
888	0	3	female	NaN	1	2	23.4500	S	Third	woman
889	1	1	male	26.0	0	0	30.0000	C	First	man
890	0	3	male	32.0	0	0	7.7500	Q	Third	man

891 rows × 15 columns

```
In [35]: sns.barplot(x="survived", y="sex", hue="class", data=titanic)
```

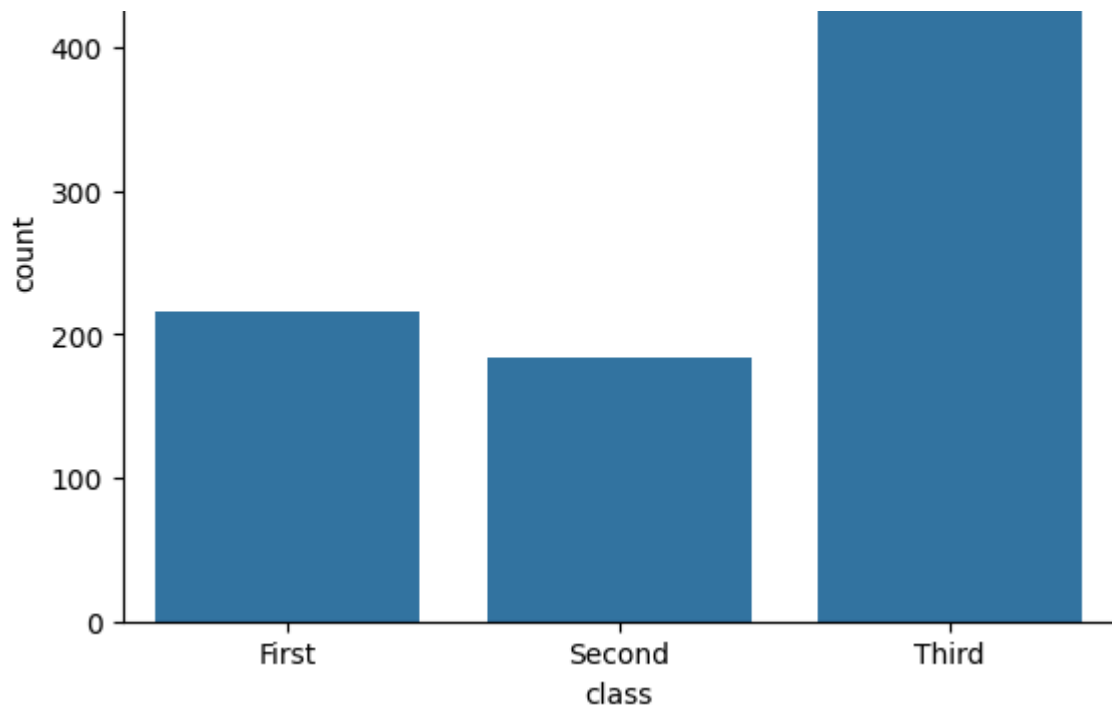
Out[35]: <Axes: xlabel='survived', ylabel='sex'>



```
In [40]: sns.countplot(x="class", data=titanic)
```

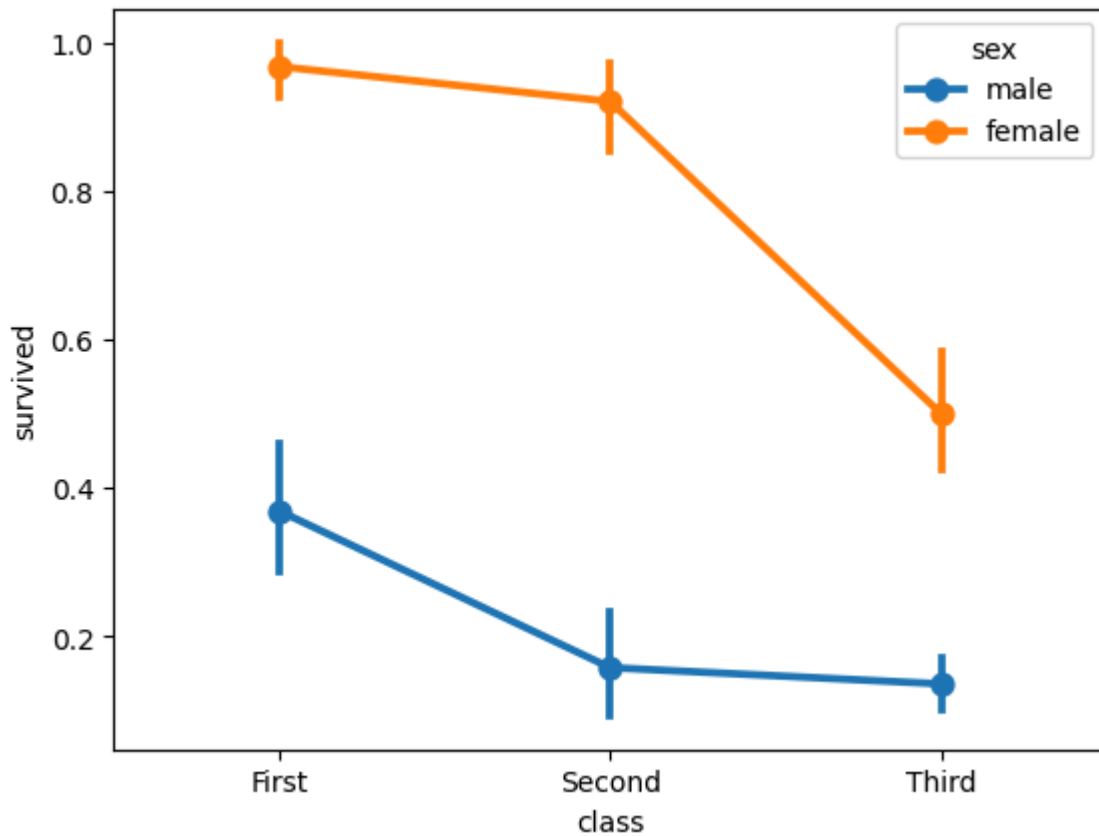
Out[40]: <Axes: xlabel='class', ylabel='count'>





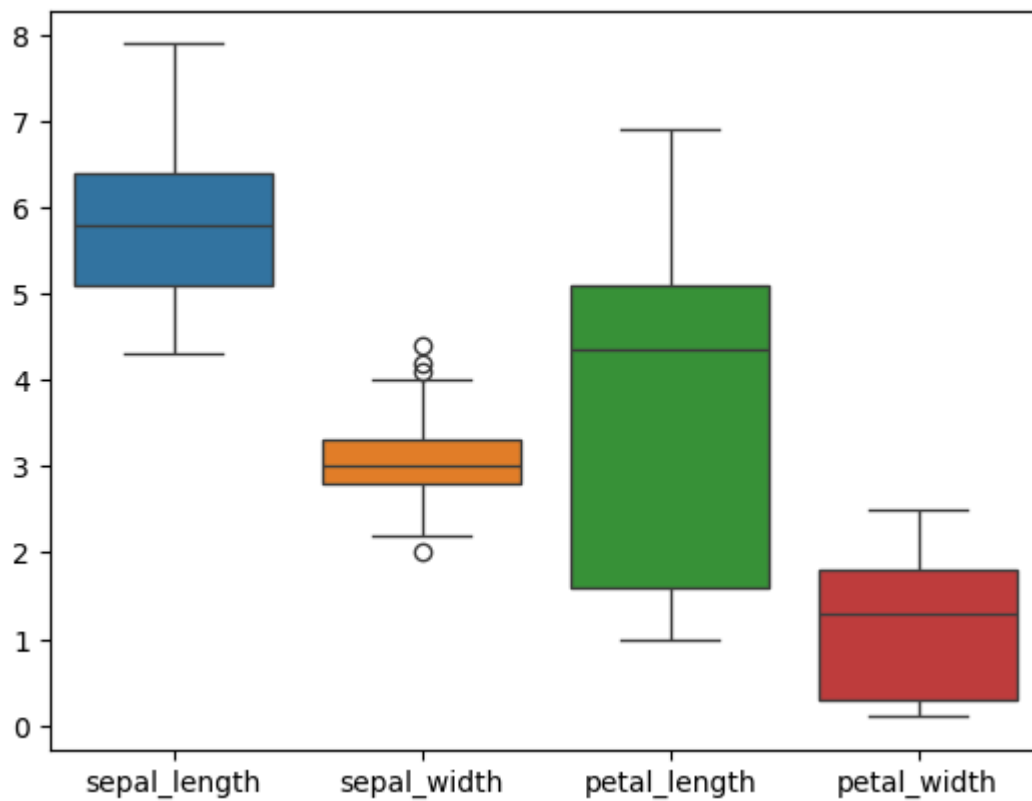
```
In [41]: sns.pointplot(x="class", y="survived", hue="sex", data=titanic)
```

```
Out[41]: <Axes: xlabel='class', ylabel='survived'>
```



```
In [42]: sns.boxplot(data=iris)
```

```
Out[42]: <Axes: >
```



```
In [44]: sns.pairplot(iris,hue="species")
```

```
Out[44]: <seaborn.axisgrid.PairGrid at 0x1daf52a34a0>
```

