

```
In [26]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
%matplotlib inline
import seaborn as sns
```

```
In [ ]: dd=sns.load_dataset('tips')
```

```
In [27]: dd.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 244 entries, 0 to 243
Data columns (total 7 columns):
#   Column      Non-Null Count  Dtype  
---  -
0   total_bill  244 non-null   float64
1   tip         244 non-null   float64
2   sex        244 non-null   category
3   smoker      244 non-null   category
4   day         244 non-null   category
5   time        244 non-null   category
6   size       244 non-null   int64   
dtypes: category(4), float64(2), int64(1)
memory usage: 7.4 KB
```

```
In [11]: dd.head()
```

```
Out[11]:
```

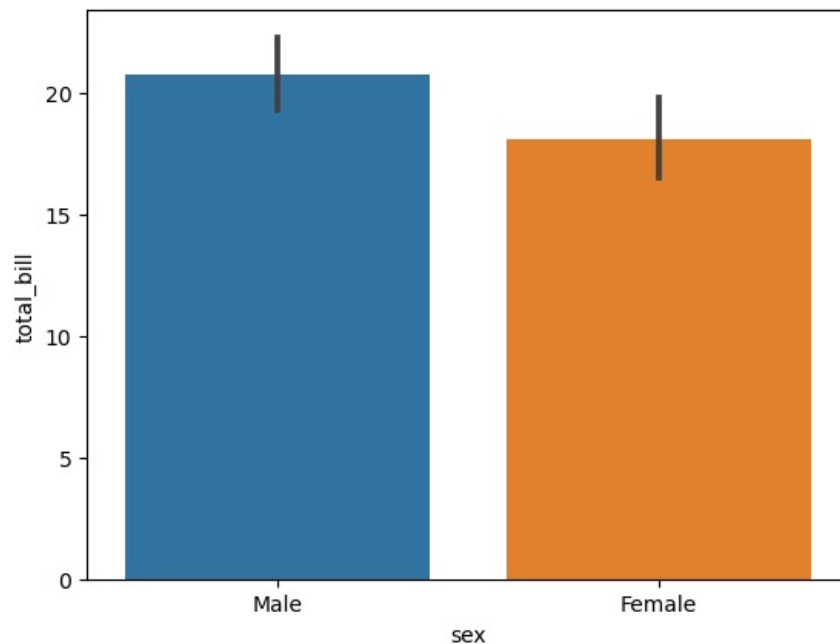
	total_bill	tip	sex	smoker	day	time	size
0	16.99	1.01	Female	No	Sun	Dinner	2
1	10.34	1.66	Male	No	Sun	Dinner	3
2	21.01	3.50	Male	No	Sun	Dinner	3
3	23.68	3.31	Male	No	Sun	Dinner	2
4	24.59	3.61	Female	No	Sun	Dinner	4

```
In [29]: dd.shape
```

```
Out[29]: (244, 7)
```

```
In [12]: sns.barplot(x='sex',y='total_bill',data=dd)
```

```
Out[12]: <Axes: xlabel='sex', ylabel='total_bill'>
```



```
In [14]: sns.distplot(dd['total_bill'])
```

C:\Users\yuvass\AppData\Local\Temp\ipykernel\_5772\1890330268.py:1: UserWarning:

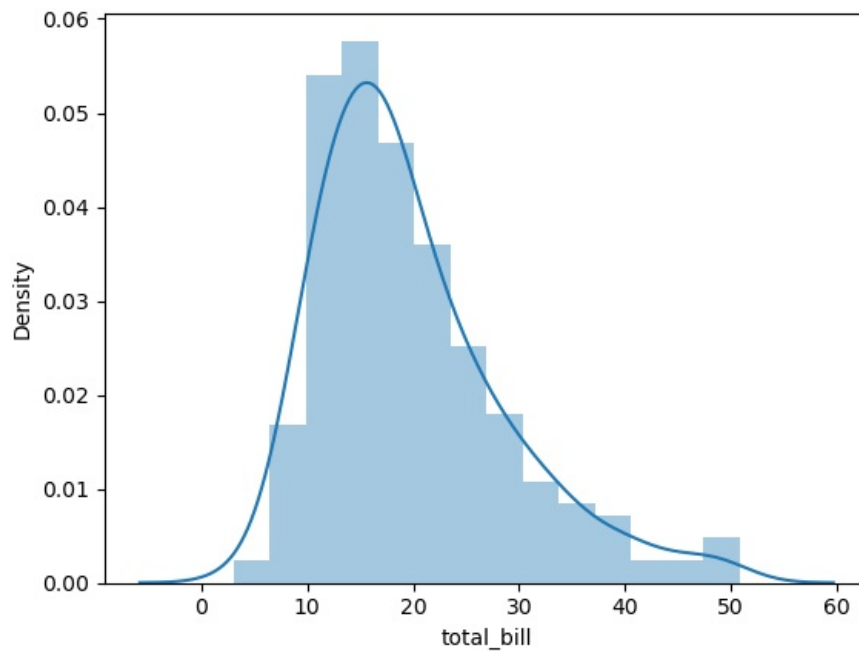
`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

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>

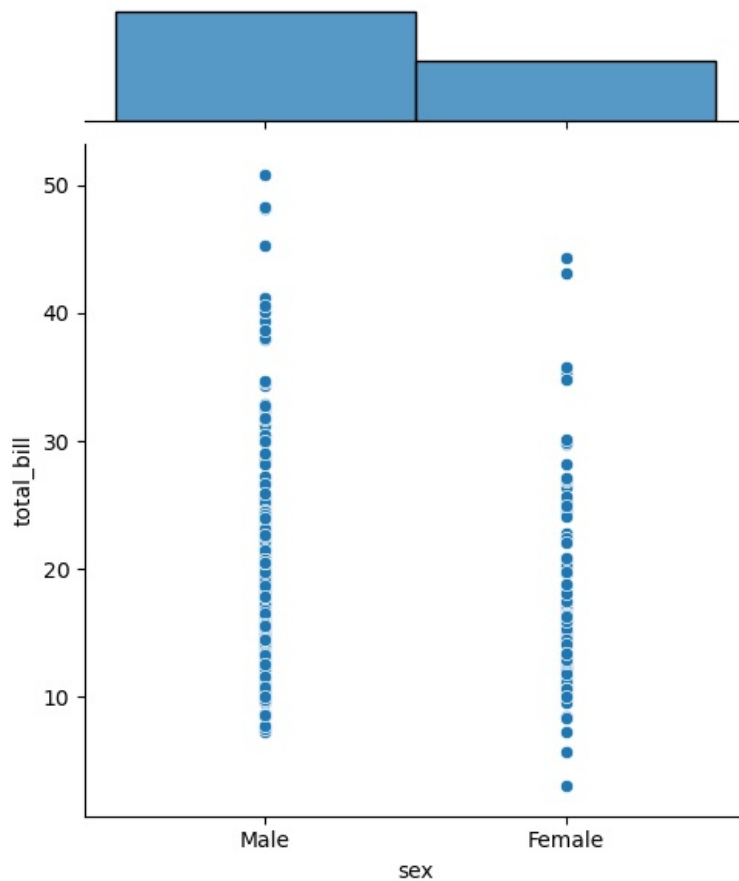
```
sns.distplot(dd['total_bill'])  
<Axes: xlabel='total_bill', ylabel='Density'>
```

Out[14]:



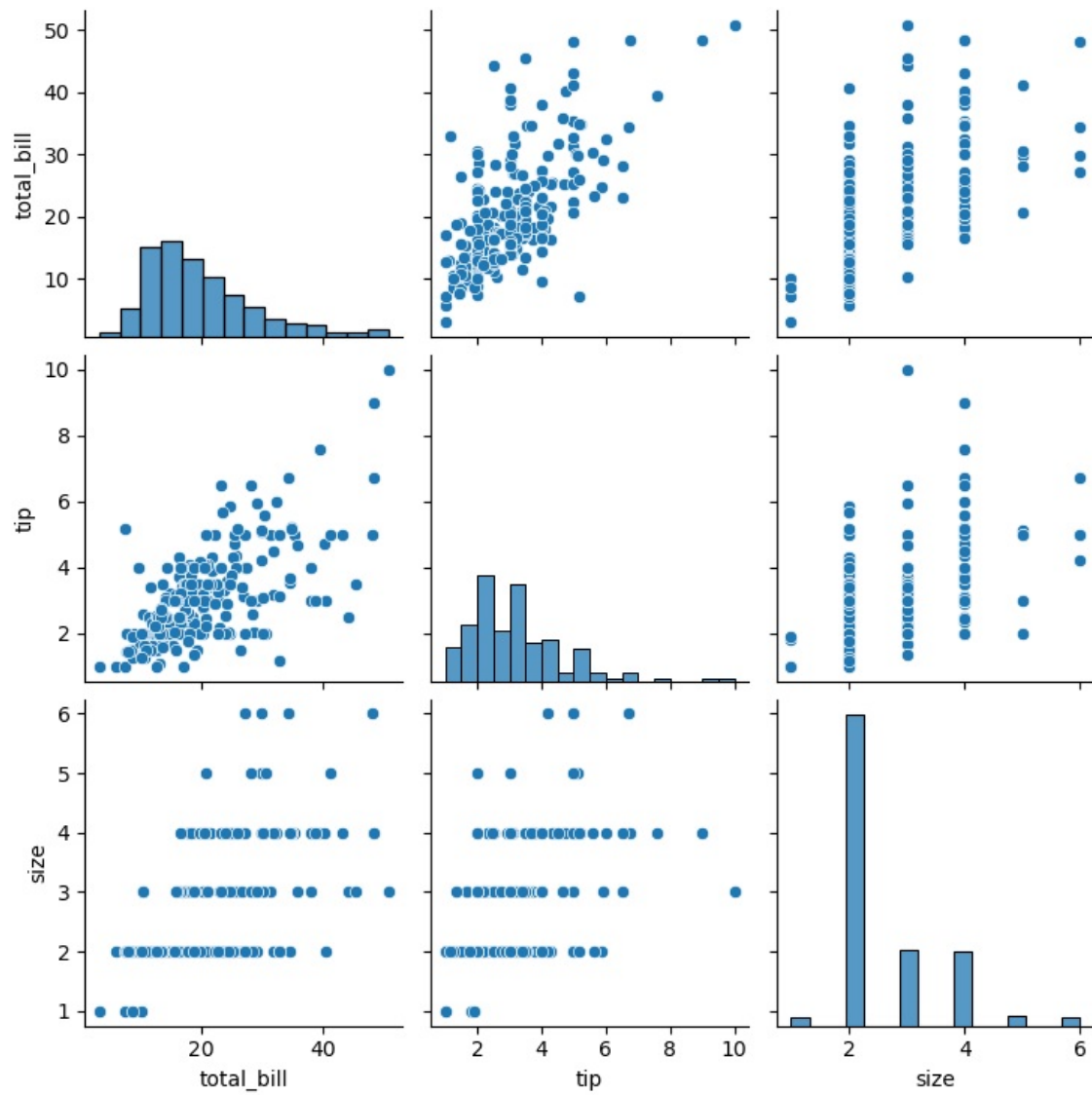
```
In [16]: sns.jointplot(x='sex',y='total_bill',data=dd)
```

Out[16]: <seaborn.axisgrid.JointGrid at 0x23e941dae90>



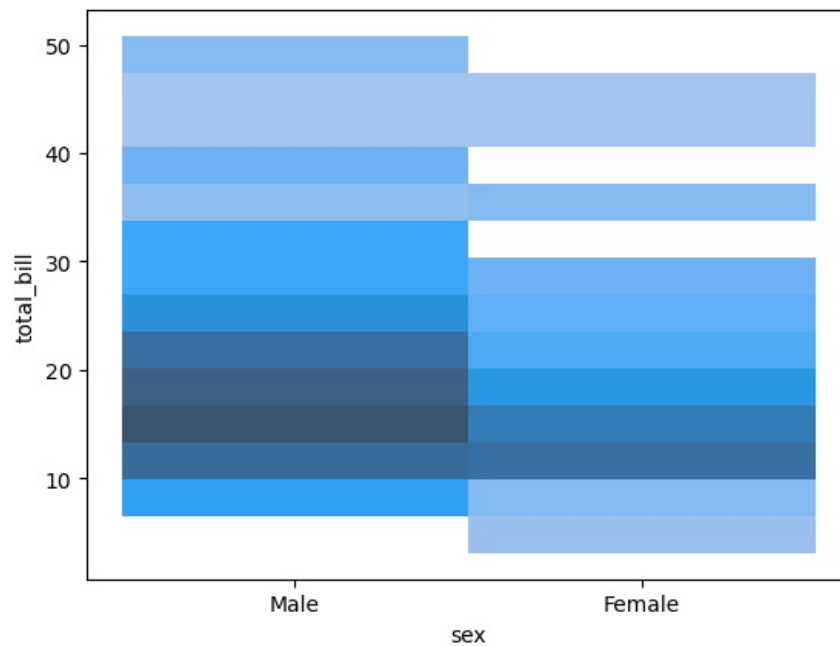
```
In [17]: sns.pairplot(dd)
```

Out[17]: <seaborn.axisgrid.PairGrid at 0x23e942922c0>



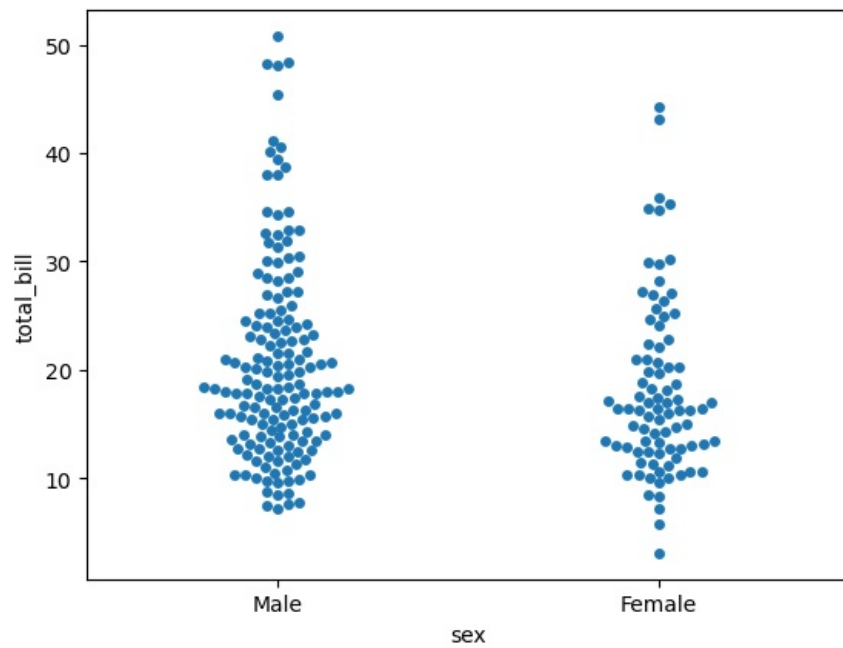
```
In [22]: sns.histplot(x='sex',y='total_bill',data=dd)
```

```
Out[22]: <Axes: xlabel='sex', ylabel='total_bill'>
```



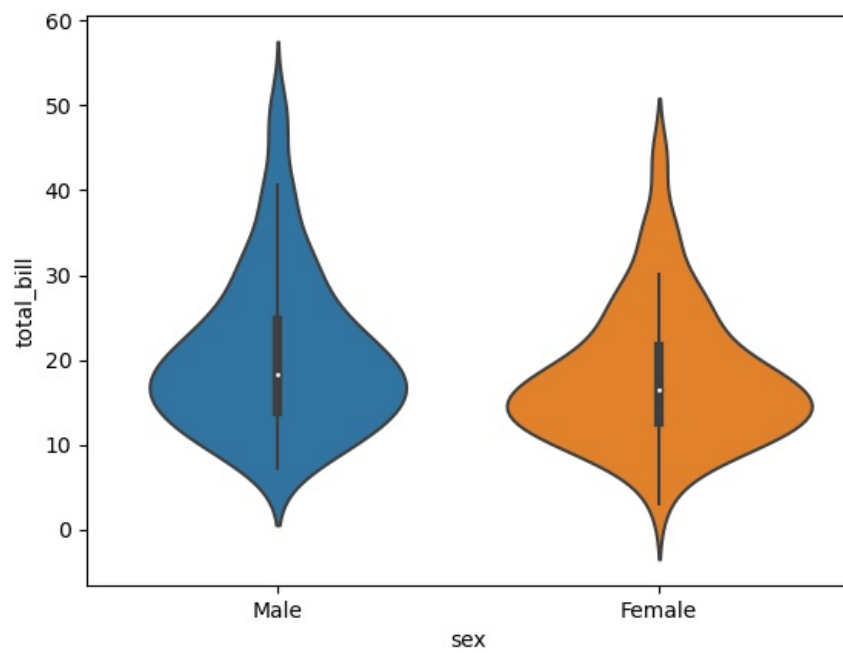
```
In [23]: sns.swarmplot(x='sex',y='total_bill',data=dd)
```

```
Out[23]: <Axes: xlabel='sex', ylabel='total_bill'>
```



```
In [25]: sns.violinplot(x='sex',y='total_bill',data=dd)
```

```
Out[25]: <Axes: xlabel='sex', ylabel='total_bill'>
```



```
In [ ]:
```

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