

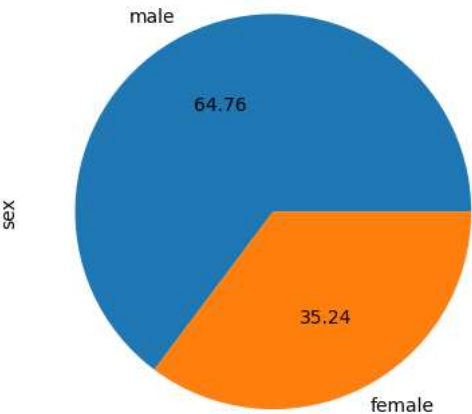
```
import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd
```

```
df = sns.load_dataset('titanic')
df.head()
```

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_m
0	0	3	male	22.0	1	0	7.2500	S	Third	man	1
1	1	1	female	38.0	1	0	71.2833	C	First	woman	Fa
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	Fa
3	1	1	female	35.0	1	0	53.1000	S	First	woman	Fa
4	0	3	male	35.0	0	0	8.0500	S	Third	man	1

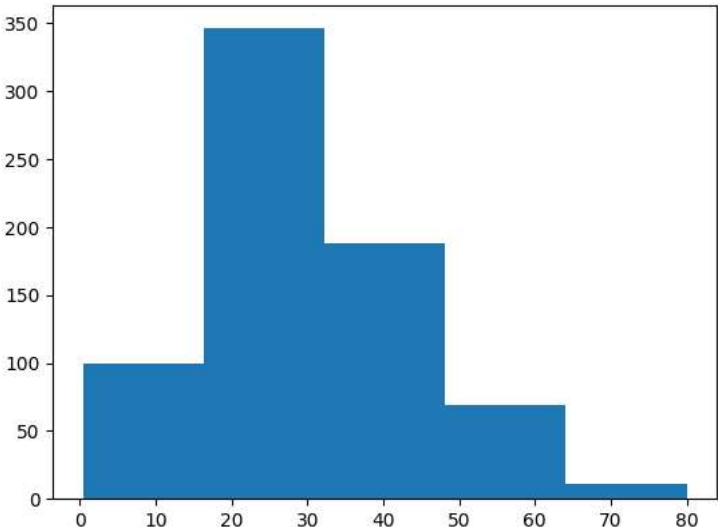
```
df['sex'].value_counts().plot(kind="pie", autopct="%.2f")

<Axes: ylabel='sex'>
```



```
plt.hist(df['age'], bins=5)
```

```
(array([100., 346., 188., 69., 11.]),
 array([ 0.42 , 16.336, 32.252, 48.168, 64.084, 80.   ]),
 <BarContainer object of 5 artists>)
```



```
sns.distplot(df['age'])
```

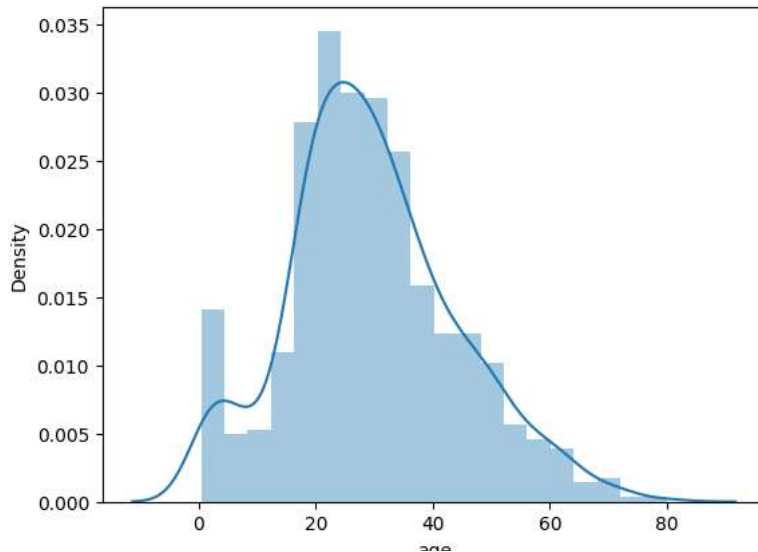
```
<ipython-input-22-3ce80b9d0b9f>:1: UserWarning:
```

`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).

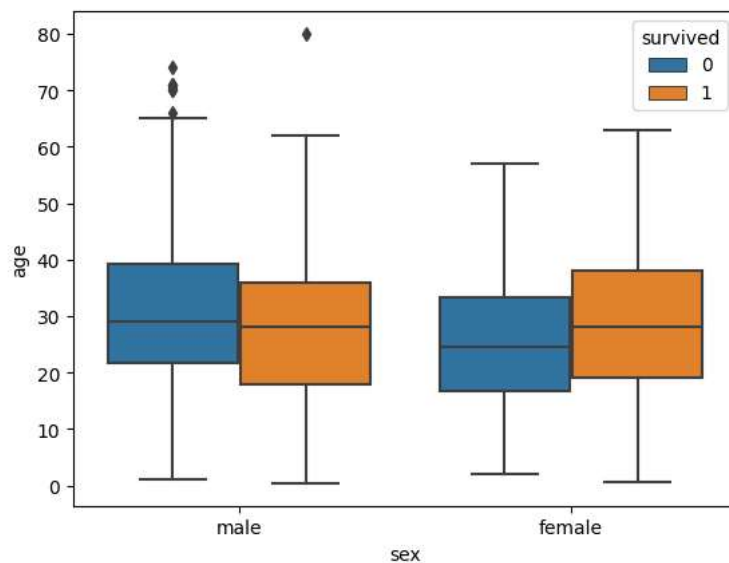
For a guide to updating your code to use the new functions, please see <https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751>

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



```
sns.boxplot(x='sex', y='age', data=df, hue='survived')
```

```
<Axes: xlabel='sex', ylabel='age'>
```



```
sns.distplot(df[df['survived'] == 0]['age'], hist=False, color="blue")  
sns.distplot(df[df['survived'] == 1]['age'], hist=False, color="orange")
```

```
<ipython-input-29-ebfc01f37dea>: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 ``kdeplot`` (an axes-level function for kernel density plots

For a guide to updating your code to use the new functions, please see

<https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751>

```
sns.distplot(df[df['survived'] == 0]['age'], hist=False, color="blue")
```

```
<ipython-input-29-ebfc01f37dea>:2: UserWarning:
```

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

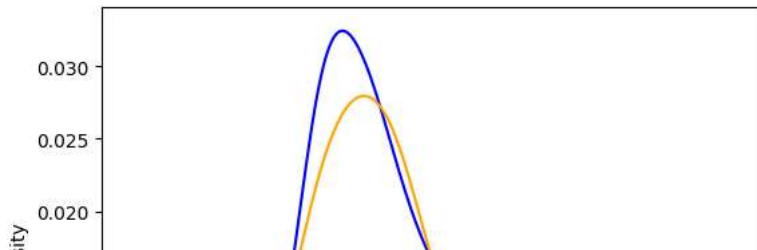
Please adapt your code to use either ``displot`` (a figure-level function with similar flexibility) or ``kdeplot`` (an axes-level function for kernel density plots

For a guide to updating your code to use the new functions, please see

<https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751>

```
sns.distplot(df[df['survived'] == 1]['age'], hist=False, color="orange")
```

```
<Axes: xlabel='age', ylabel='Density'>
```



```
sns.heatmap(pd.crosstab(df['pclass'], df['survived']))
```

```
<Axes: xlabel='survived', ylabel='pclass'>
```

