

```
In [1]: import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

```
In [2]: dataset=sns.load_dataset('titanic')
dataset.head(10)
```

Out[2]:

|   | survived | pclass | sex    | age  | sibsp | parch | fare    | embarked | class  | who   | adult_male |
|---|----------|--------|--------|------|-------|-------|---------|----------|--------|-------|------------|
| 0 | 0        | 3      | male   | 22.0 | 1     | 0     | 7.2500  | S        | Third  | man   | True       |
| 1 | 1        | 1      | female | 38.0 | 1     | 0     | 71.2833 | C        | First  | woman | False      |
| 2 | 1        | 3      | female | 26.0 | 0     | 0     | 7.9250  | S        | Third  | woman | False      |
| 3 | 1        | 1      | female | 35.0 | 1     | 0     | 53.1000 | S        | First  | woman | False      |
| 4 | 0        | 3      | male   | 35.0 | 0     | 0     | 8.0500  | S        | Third  | man   | True       |
| 5 | 0        | 3      | male   | NaN  | 0     | 0     | 8.4583  | Q        | Third  | man   | True       |
| 6 | 0        | 1      | male   | 54.0 | 0     | 0     | 51.8625 | S        | First  | man   | True       |
| 7 | 0        | 3      | male   | 2.0  | 3     | 1     | 21.0750 | S        | Third  | child | False      |
| 8 | 1        | 3      | female | 27.0 | 0     | 2     | 11.1333 | S        | Third  | woman | False      |
| 9 | 1        | 2      | female | 14.0 | 1     | 0     | 30.0708 | C        | Second | child | False      |



```
In [3]: sns.distplot(dataset['fare'])
```

C:\Users\user\AppData\Local\Temp\ipykernel\_9980\1694218074.py:1: UserWarning:

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

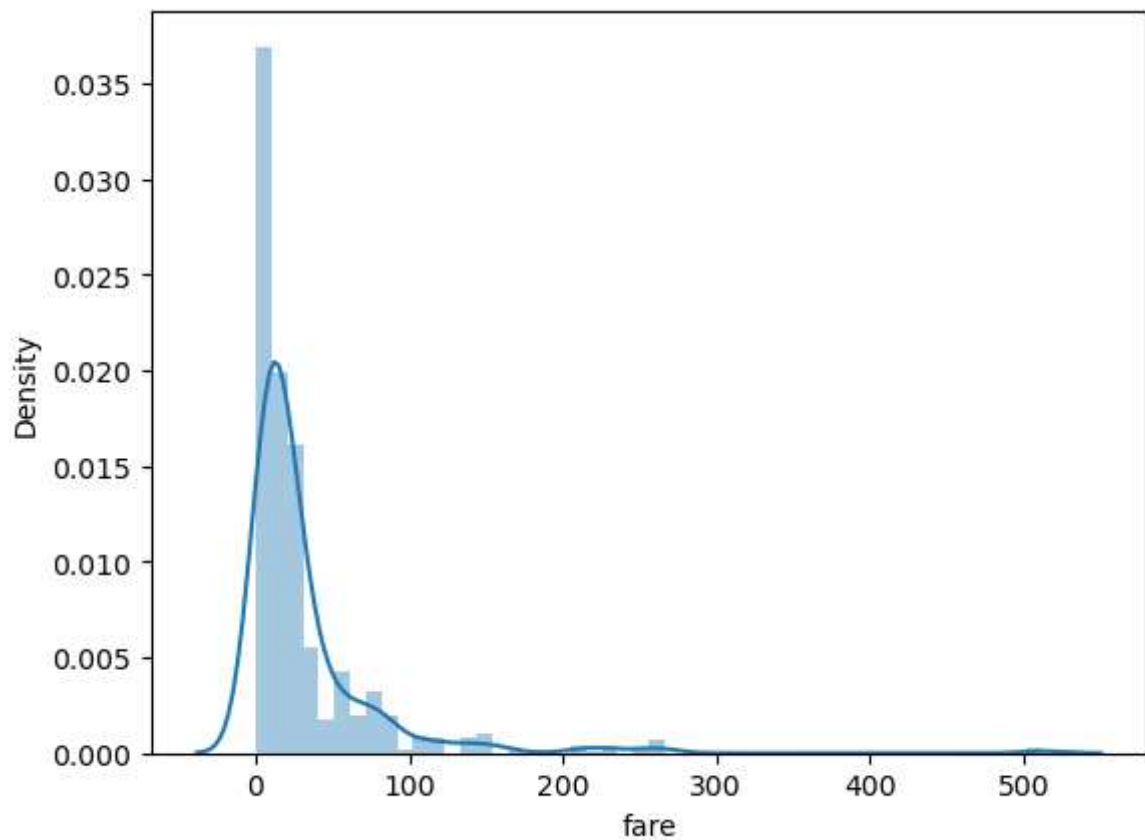
Please adapt your code to use either `displot` (a figure-level function with similar flexibility) or `histplot` (an axes-level function for histograms).

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

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

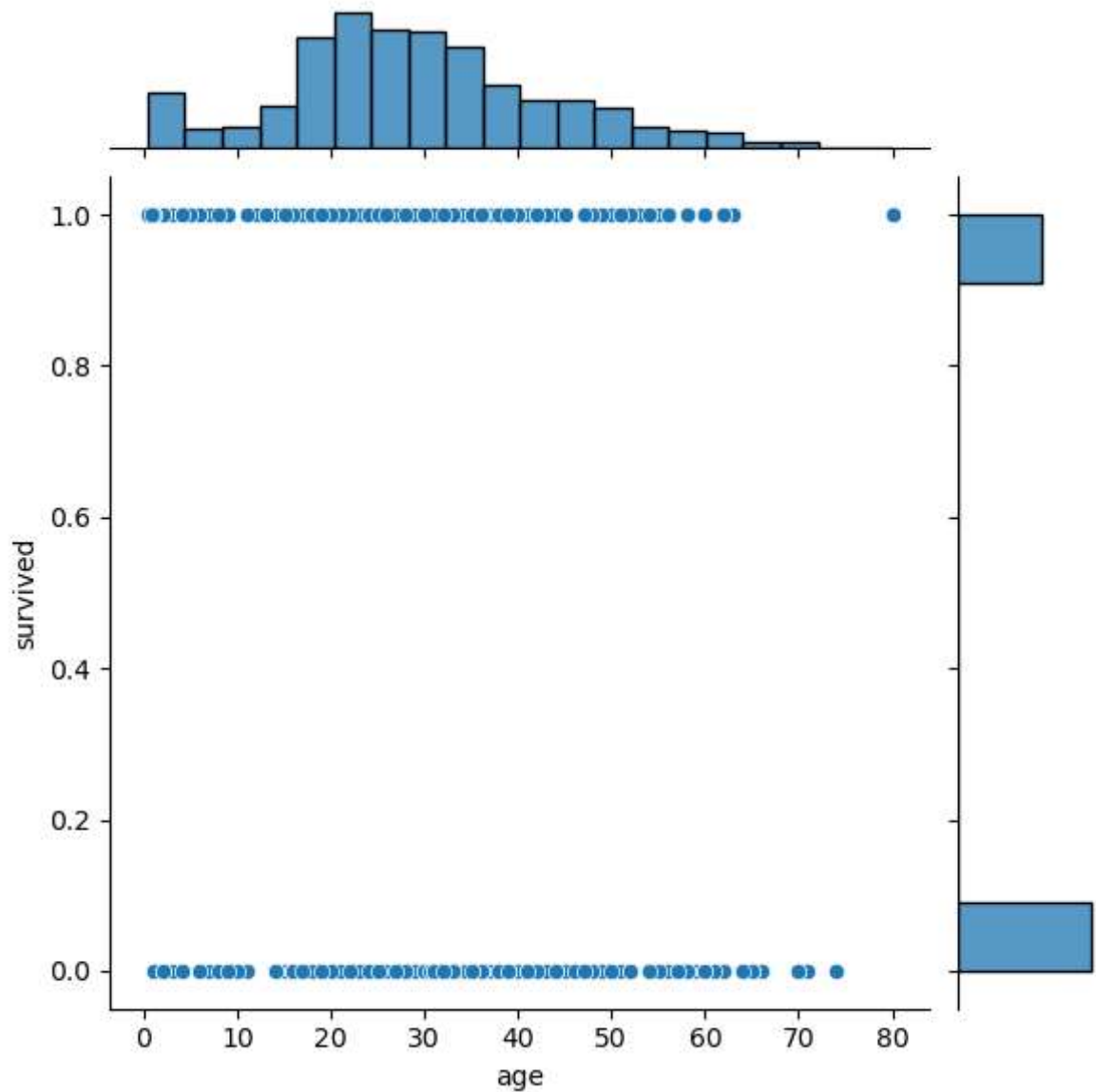
```
sns.distplot(dataset['fare'])
```

Out[3]: <Axes: xlabel='fare', ylabel='Density'>



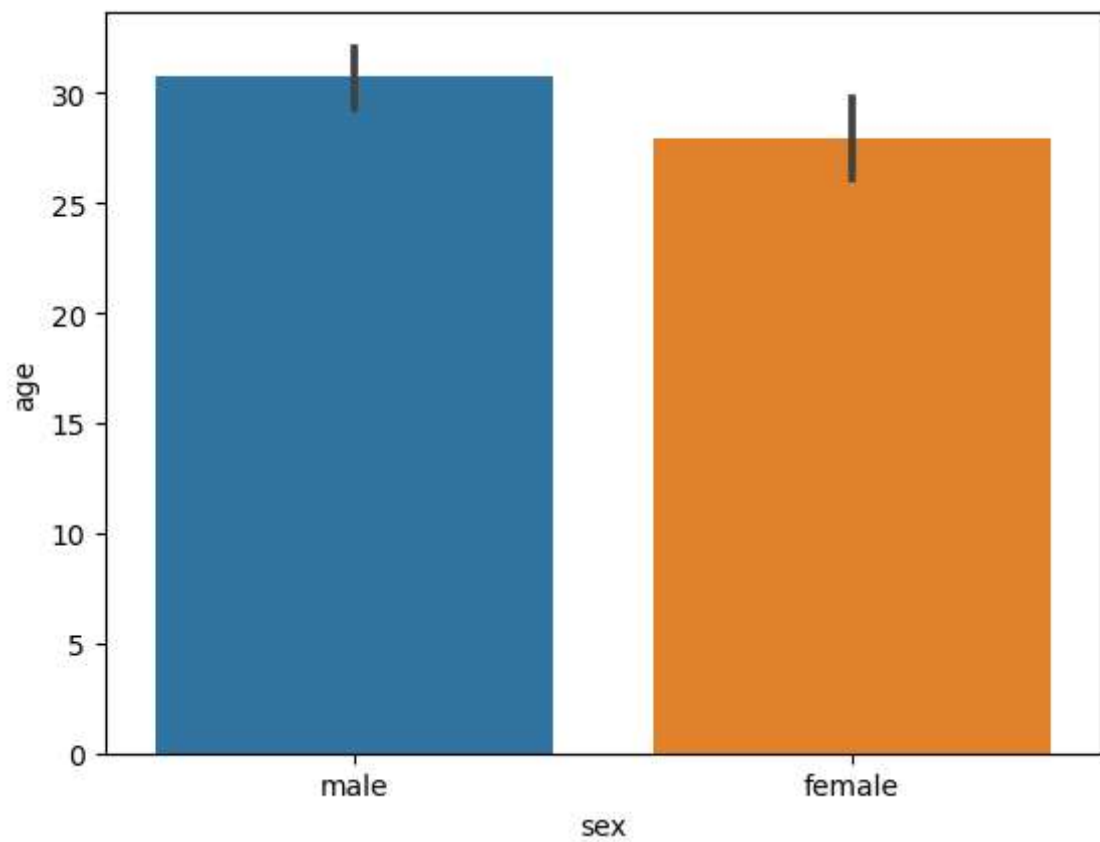
```
In [5]: sns.jointplot(x='age',y='survived',data=dataset)
```

```
Out[5]: <seaborn.axisgrid.JointGrid at 0x22b14285a50>
```



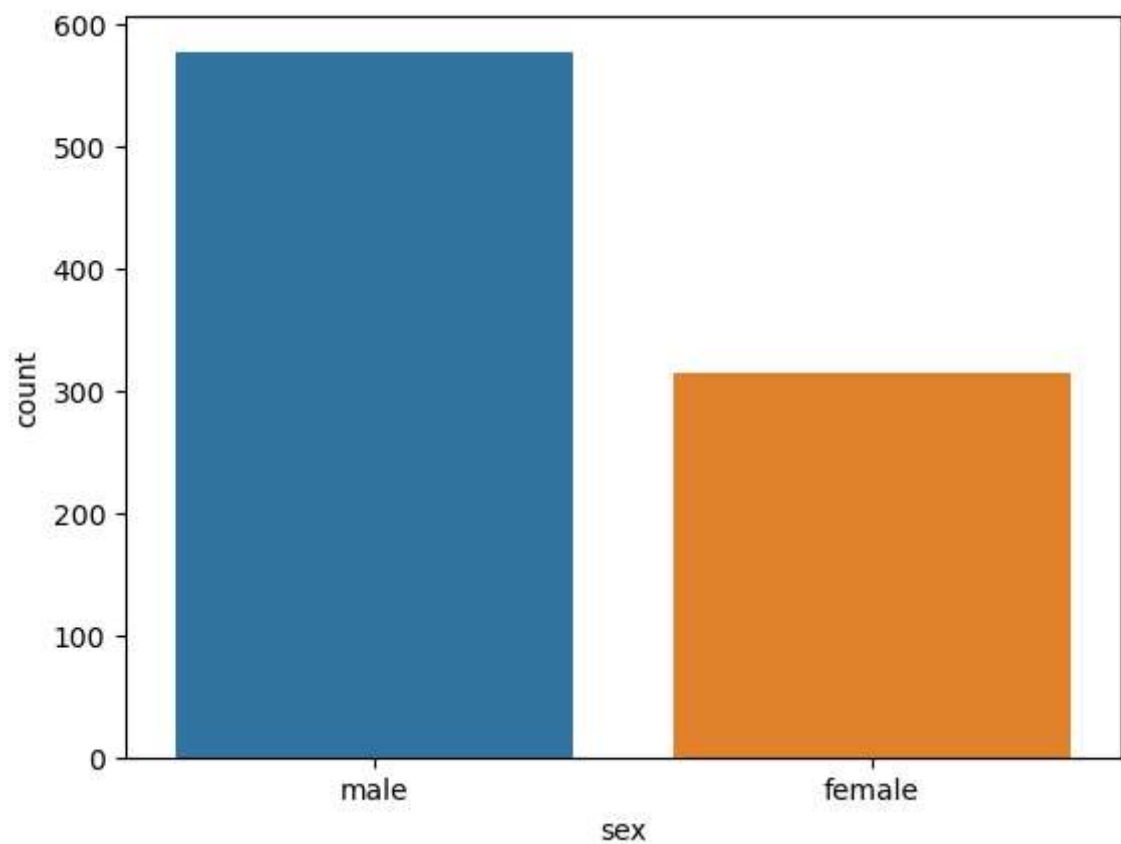
```
In [6]: sns.barplot(x='sex',y='age',data=dataset)
```

```
Out[6]: <Axes: xlabel='sex', ylabel='age'>
```



```
In [7]: sns.countplot(x='sex',data=dataset)
```

```
Out[7]: <Axes: xlabel='sex', ylabel='count'>
```



```
In [8]: sns.violinplot(x='sex',y='age',data=dataset)
```

```
Out[8]: <Axes: xlabel='sex', ylabel='age'>
```

