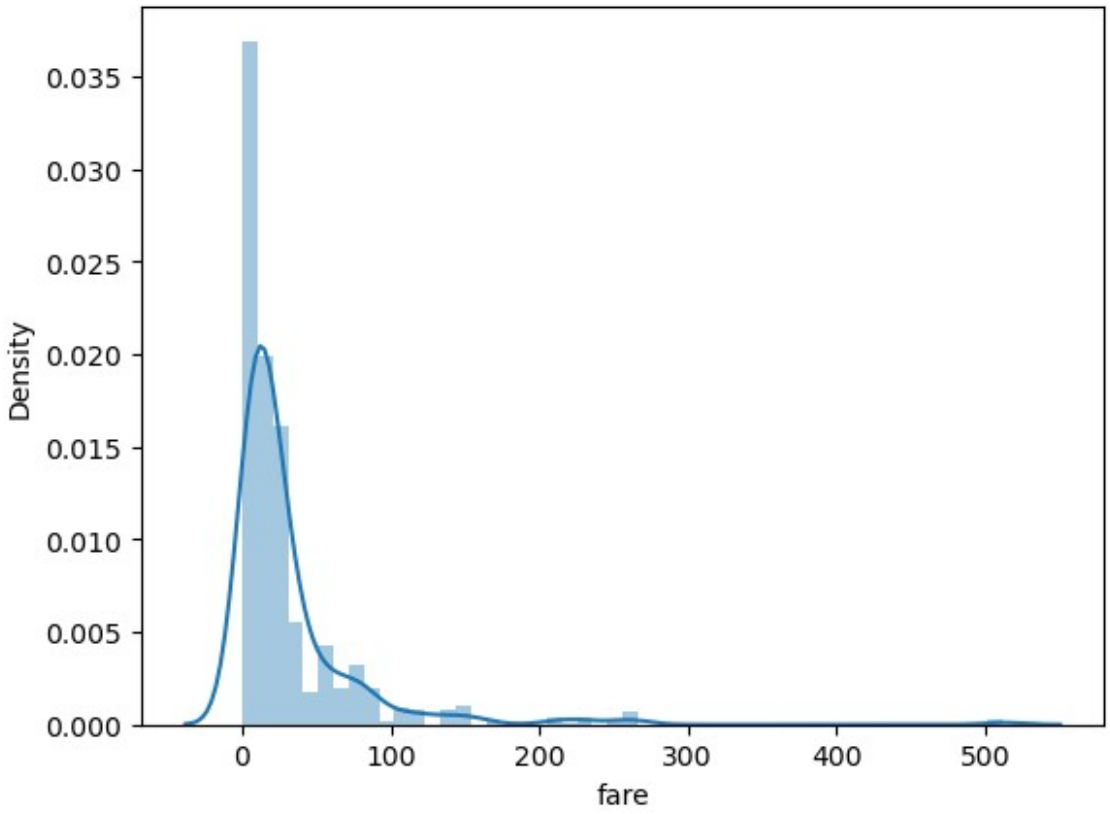
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns

hari=sns.load_dataset('titanic')

hari.head()
```

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

     who  adult_male deck  embark_town alive  alone
0    man        True  NaN  Southampton    no  False
1  woman       False    C    Cherbourg   yes  False
2  woman       False  NaN  Southampton   yes   True
3  woman       False    C  Southampton   yes  False
4    man        True  NaN  Southampton    no   True
```

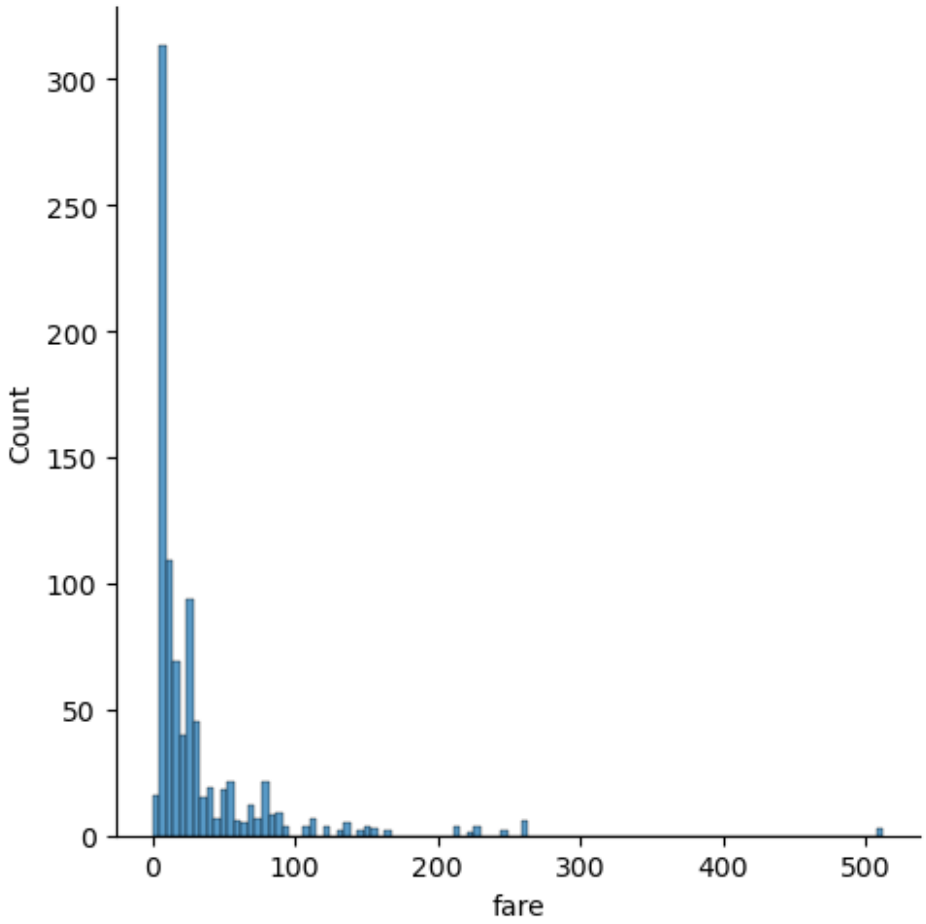
```
sns.distplot(hari['fare'])
```

```
C:\Users\Sumit\AppData\Local\Temp\ipykernel_5080\623862858.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(hari['fare'])

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



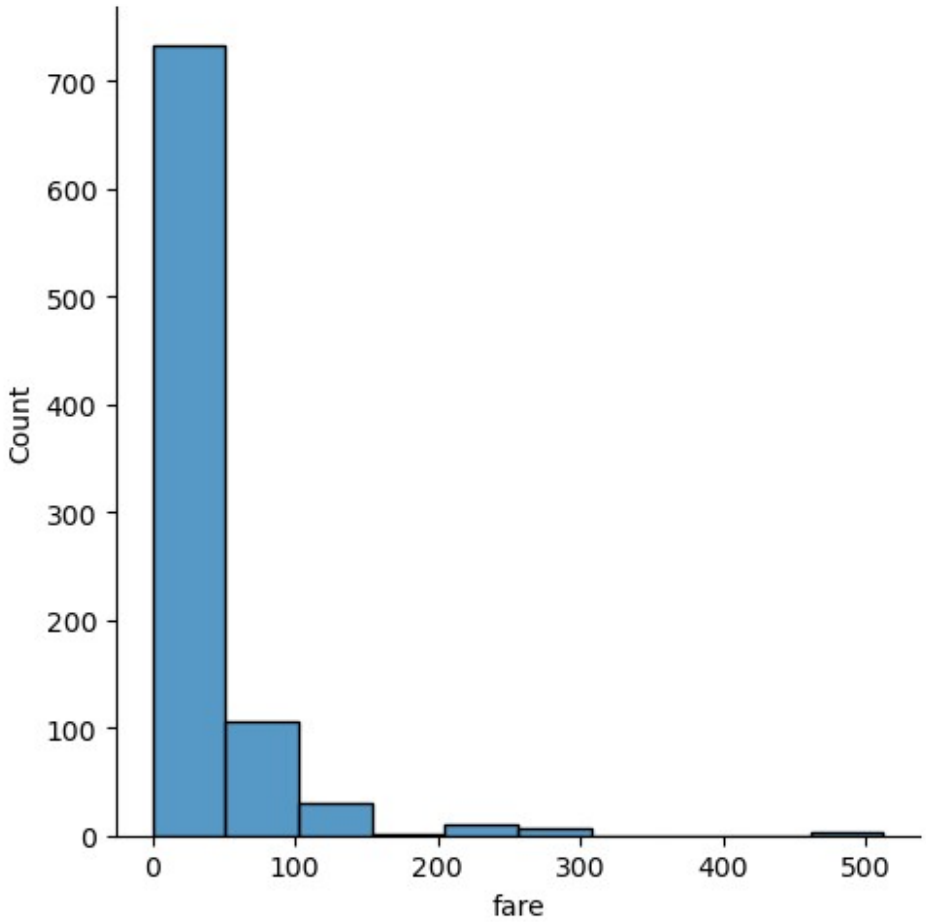

```
sns.displot(hari['fare'],kde=False)
```

```
<seaborn.axisgrid.FacetGrid at 0x27fdf526a20>
```



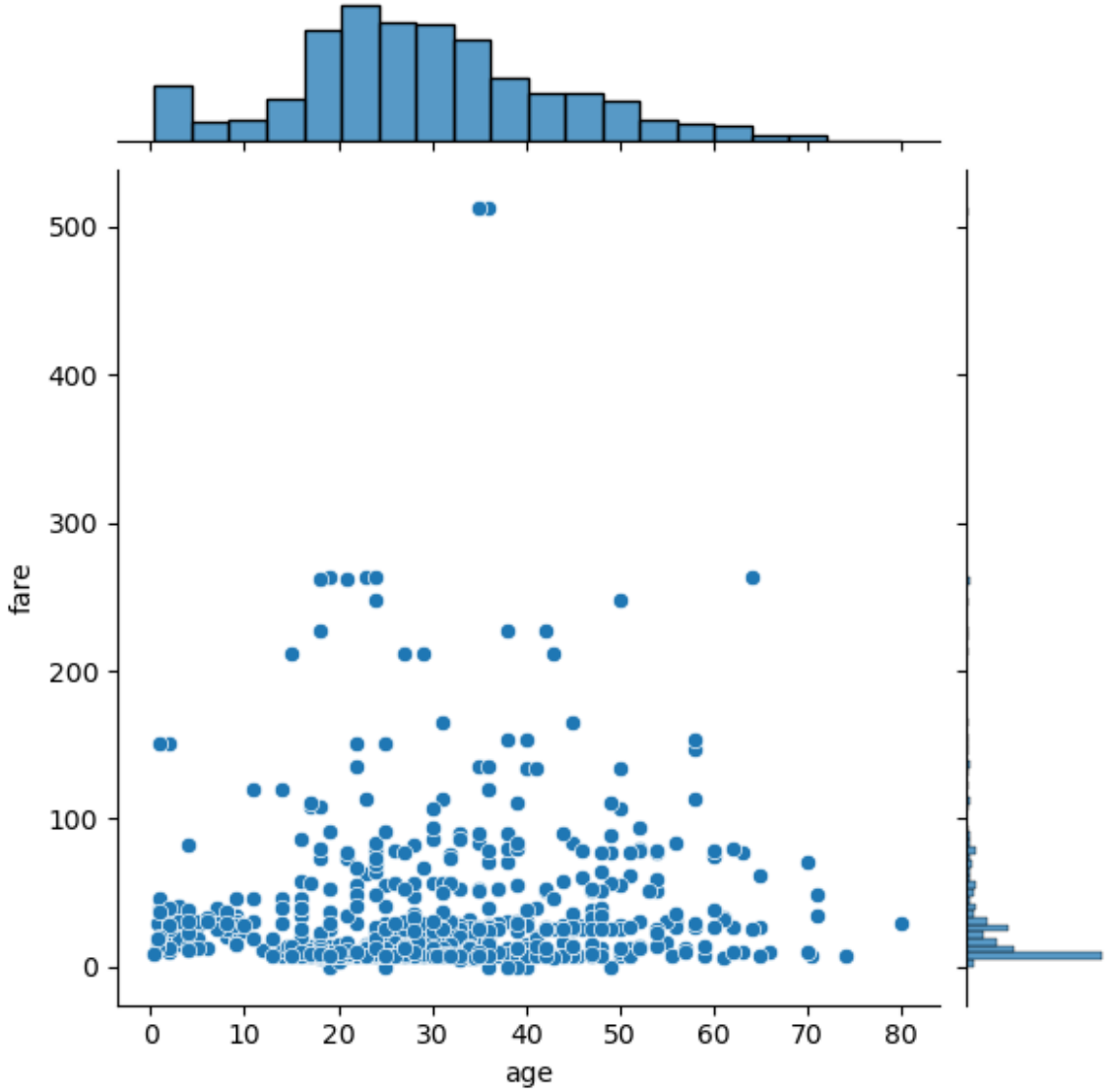

```
sns.displot(hari['fare'],kde=False,bins=10)
```

```
<seaborn.axisgrid.FacetGrid at 0x27fdf4fe2a0>
```



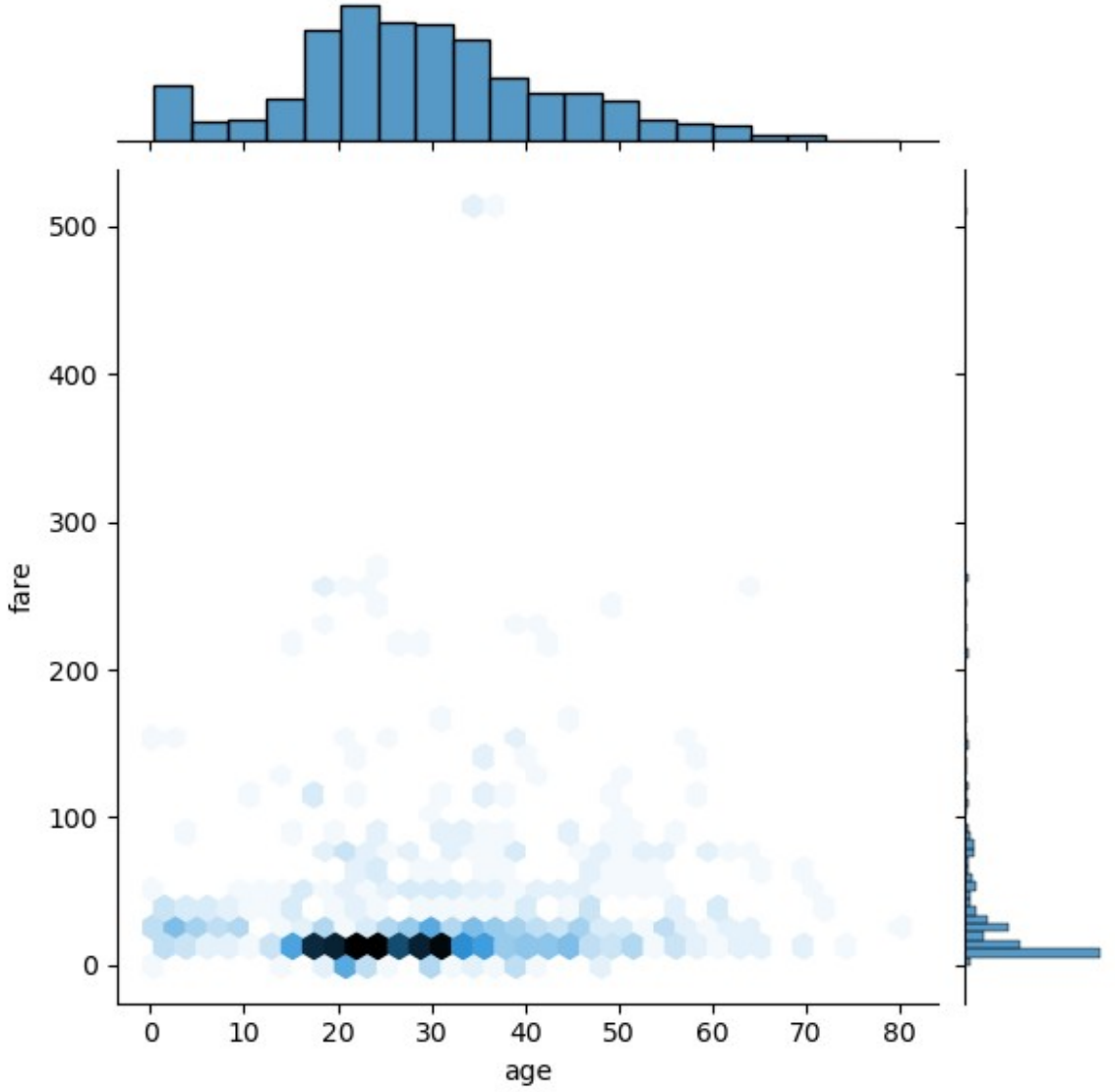

```
sns.jointplot(x='age', y='fare', data=hari)
```

```
<seaborn.axisgrid.JointGrid at 0x27fe7f09550>
```



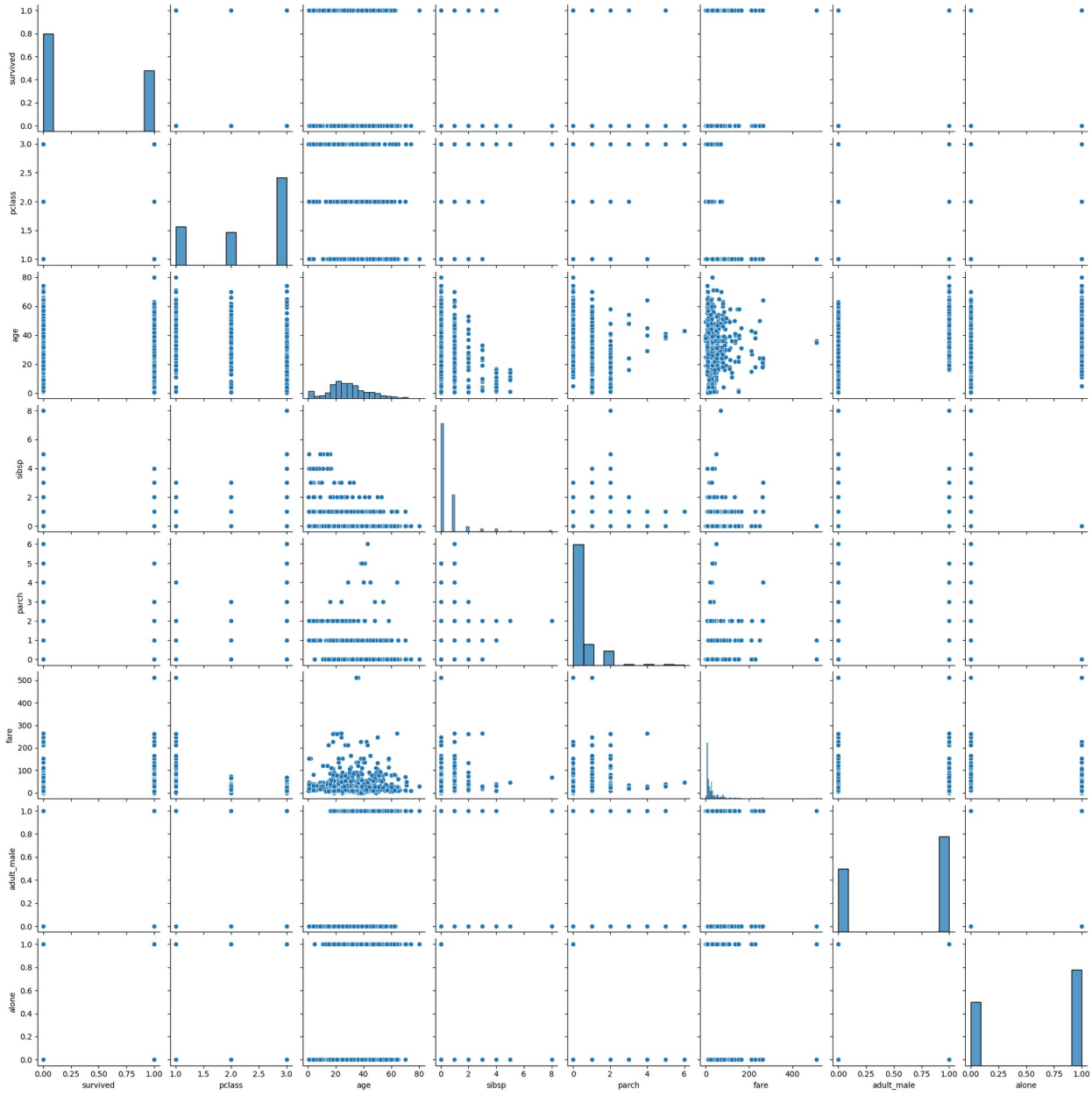

```
sns.jointplot(x='age', y='fare', data=hari, kind='hex')
```

```
<seaborn.axisgrid.JointGrid at 0x27fdec7c9e0>
```



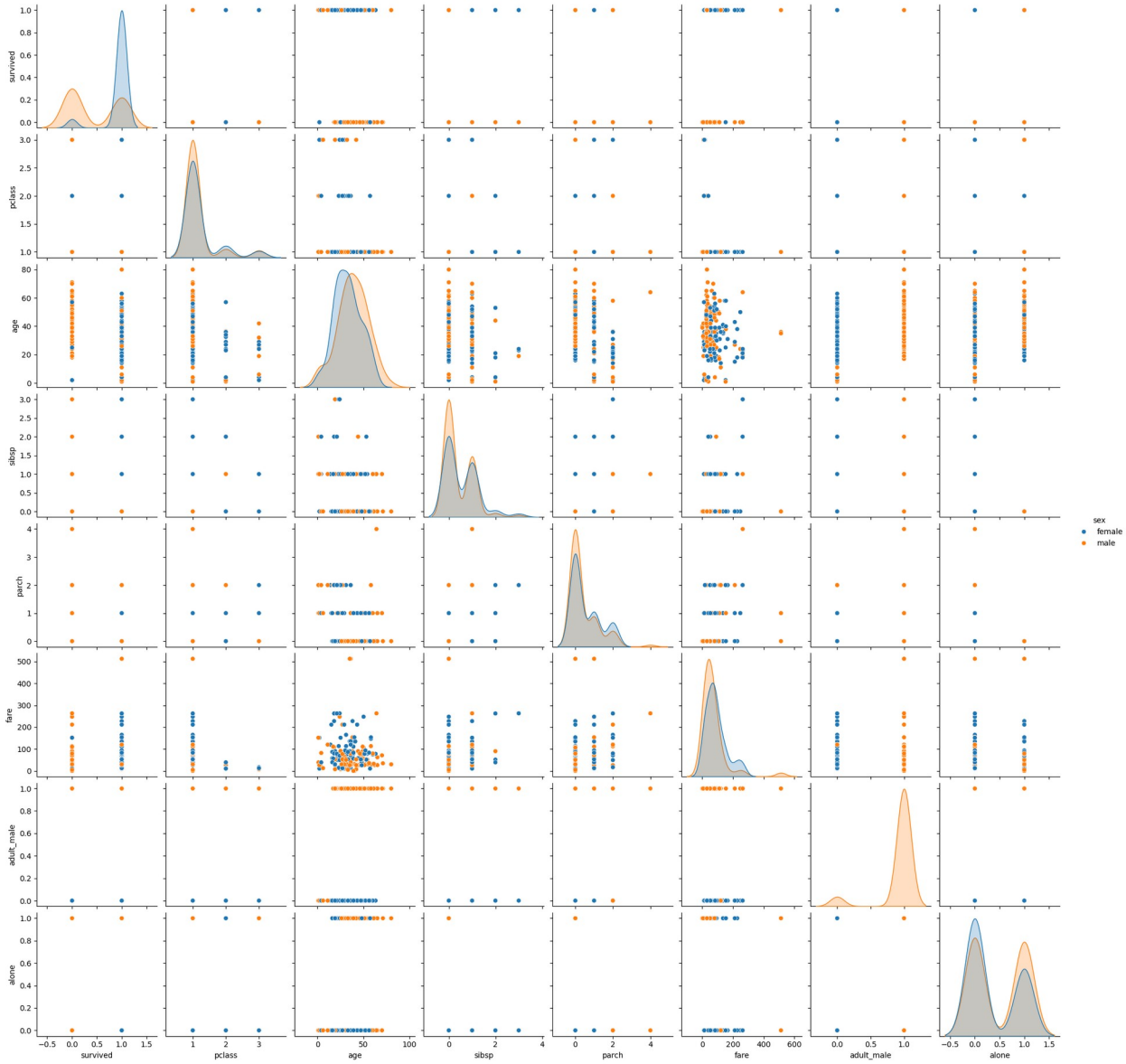

```
sns.pairplot(hari)
```

```
<seaborn.axisgrid.PairGrid at 0x27fe84ed910>
```



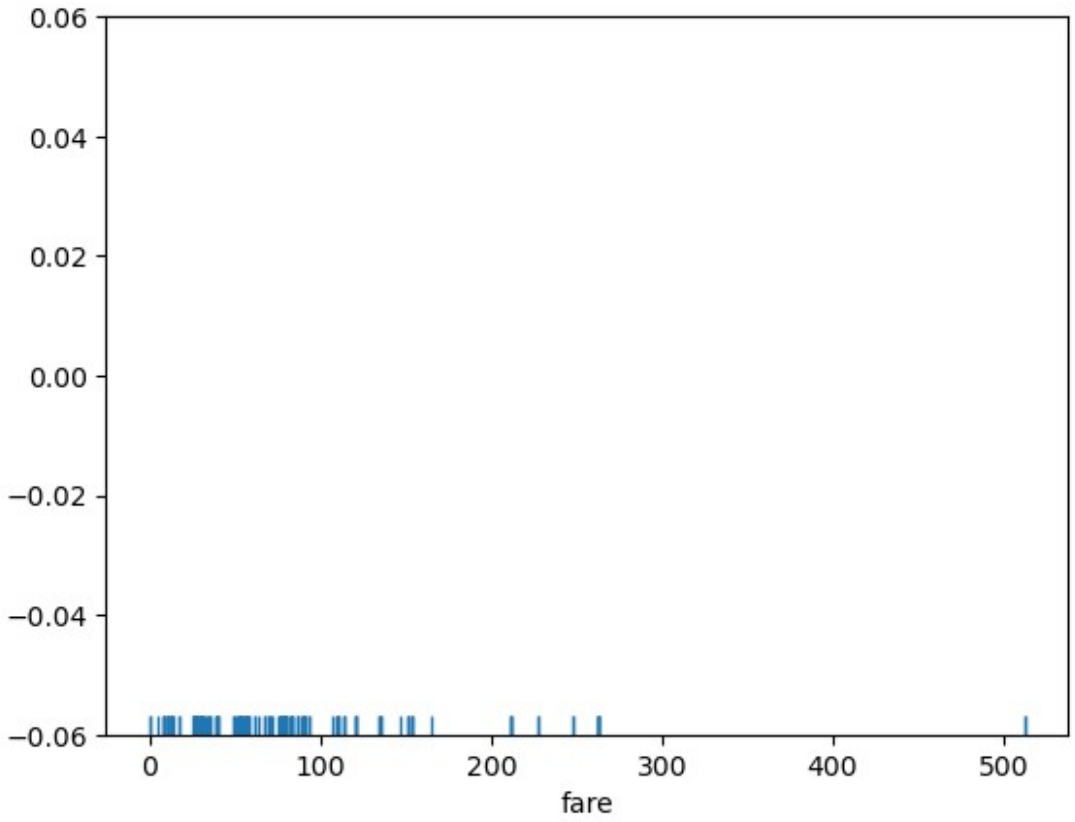

```
hari=hari.dropna()

sns.pairplot(hari, hue='sex')
```

```
<seaborn.axisgrid.PairGrid at 0x27ff24d74a0>
```



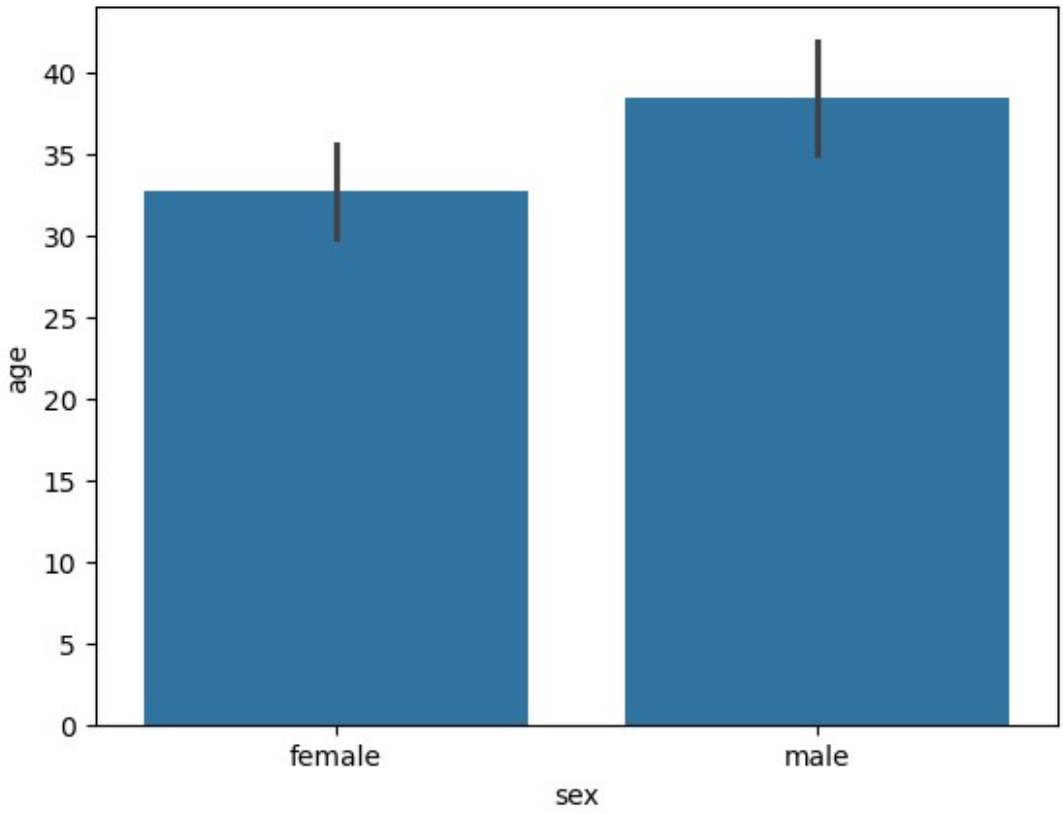

```
sns.rugplot(hari['fare'])
```

```
<Axes: xlabel='fare'>
```



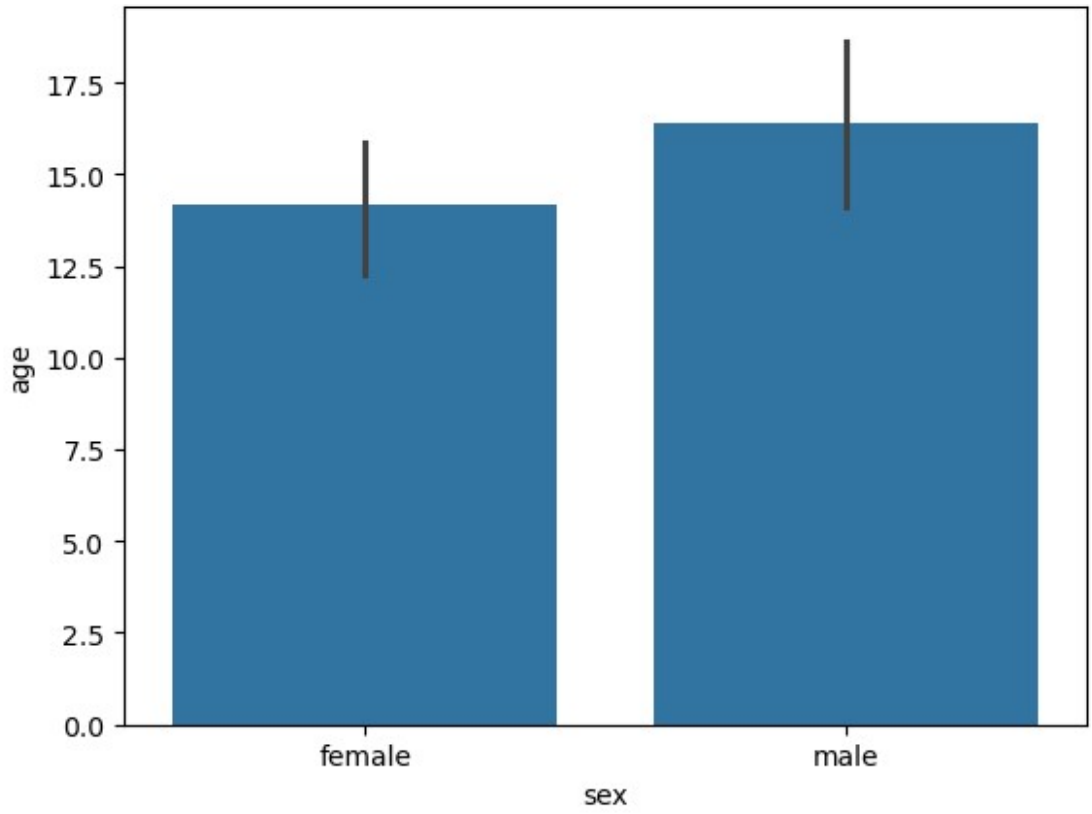

```
sns.barplot(x='sex', y='age', data=hari)
```

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



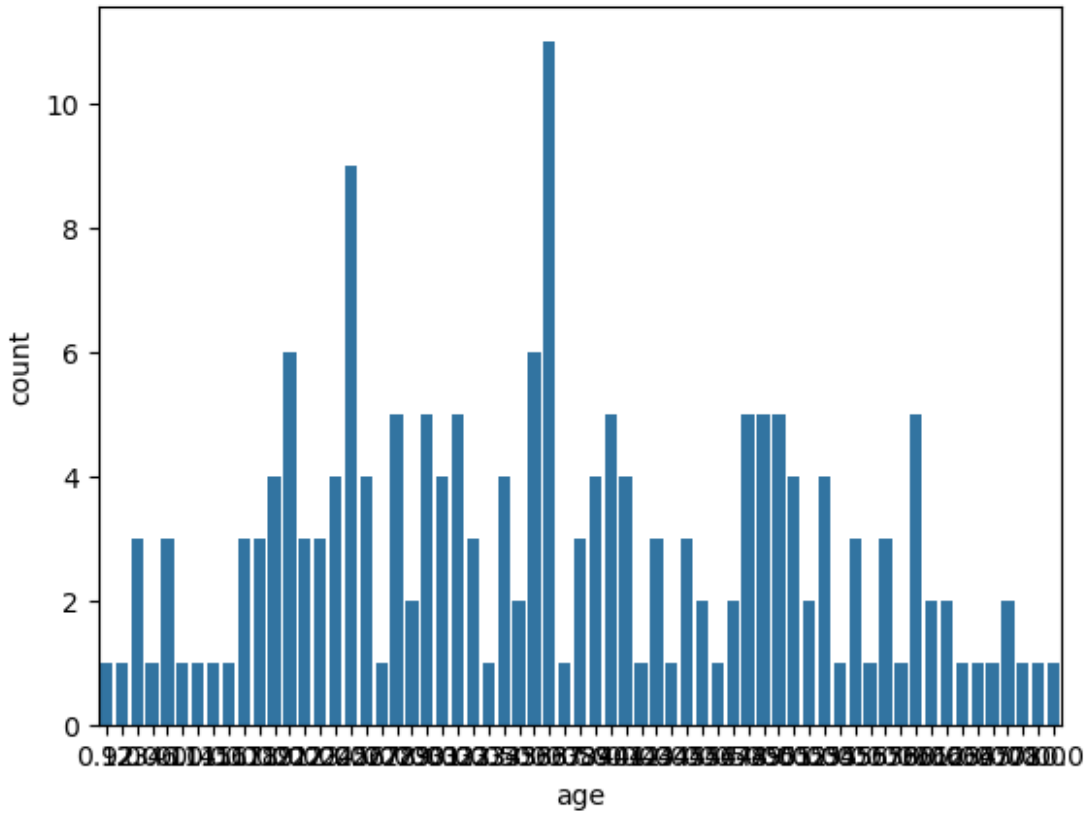

```
sns.barplot(x='sex', y='age', data=hari, estimator=np.std)
```

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



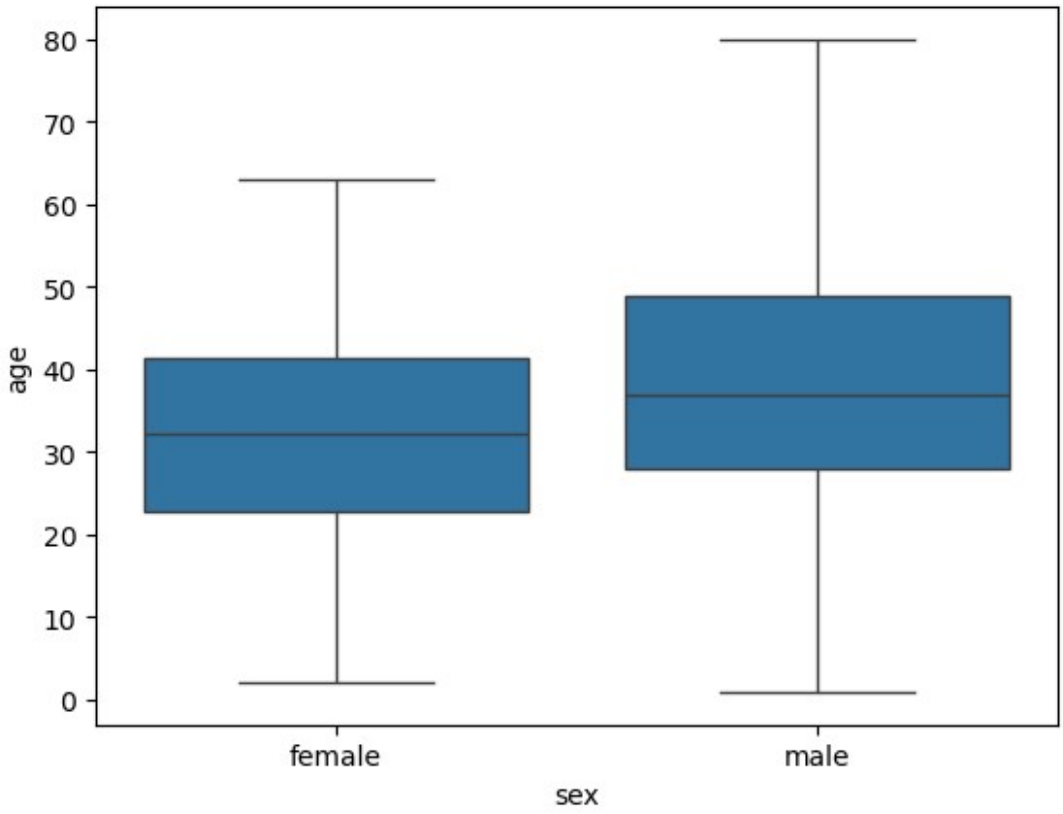

```
sns.countplot(x='age', data=hari)
```

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



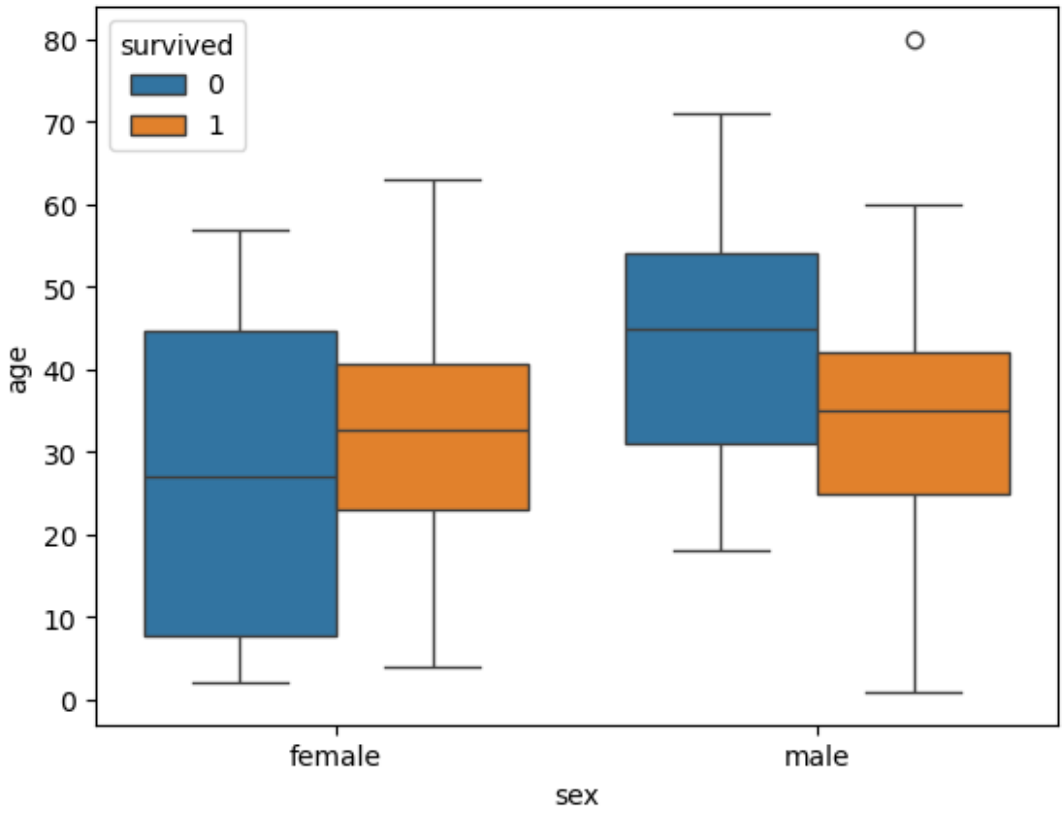

```
sns.boxplot(x='sex', y='age', data=hari)
```

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



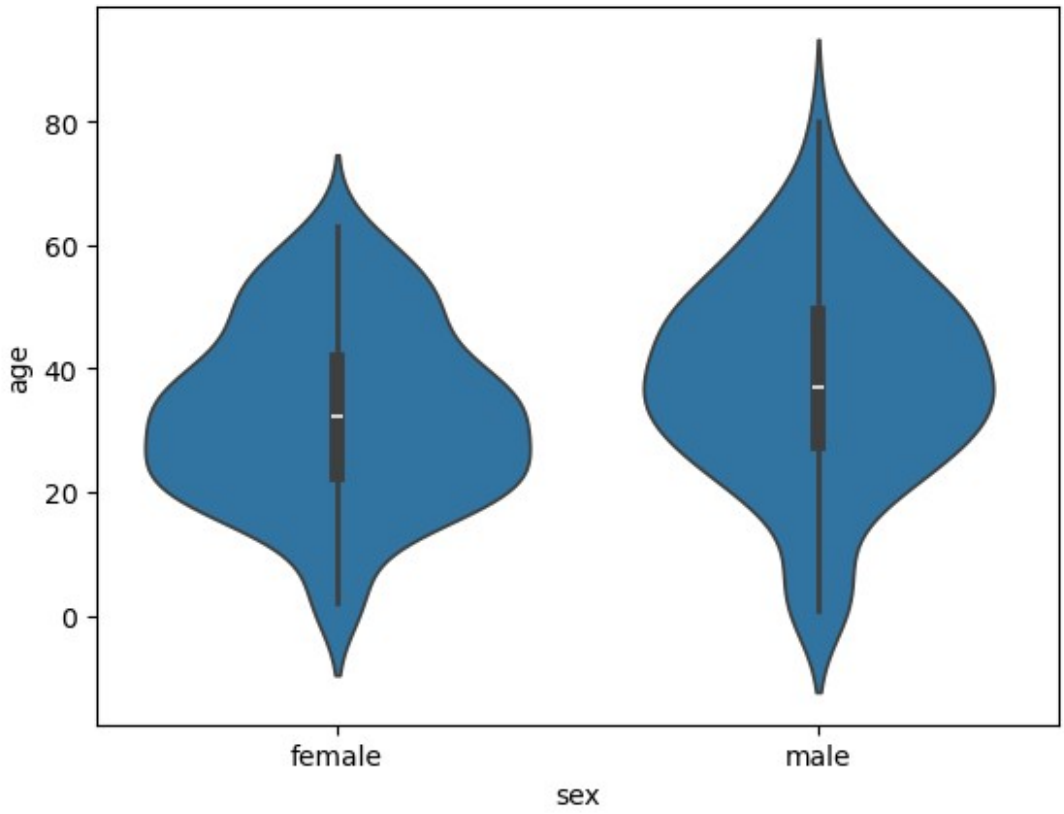

```
sns.boxplot(x='sex', y='age', data=hari, hue='survived')
```

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



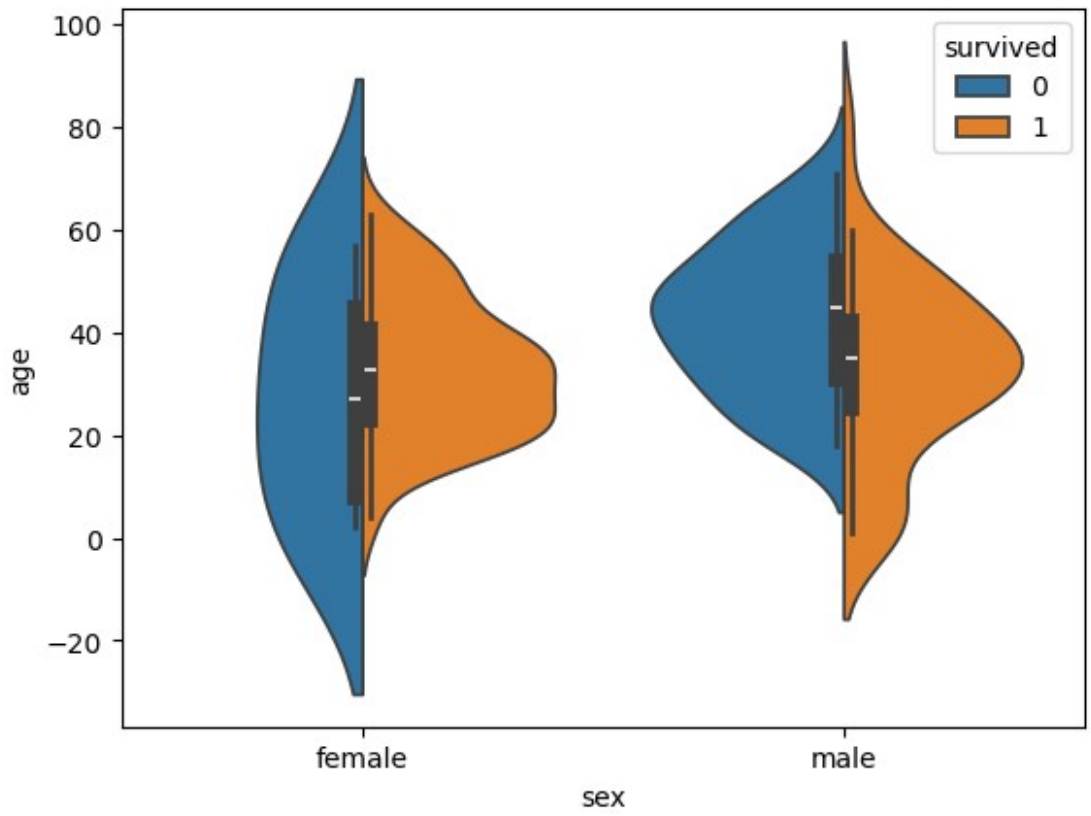

```
sns.violinplot(x='sex',y='age',data=hari)
```

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



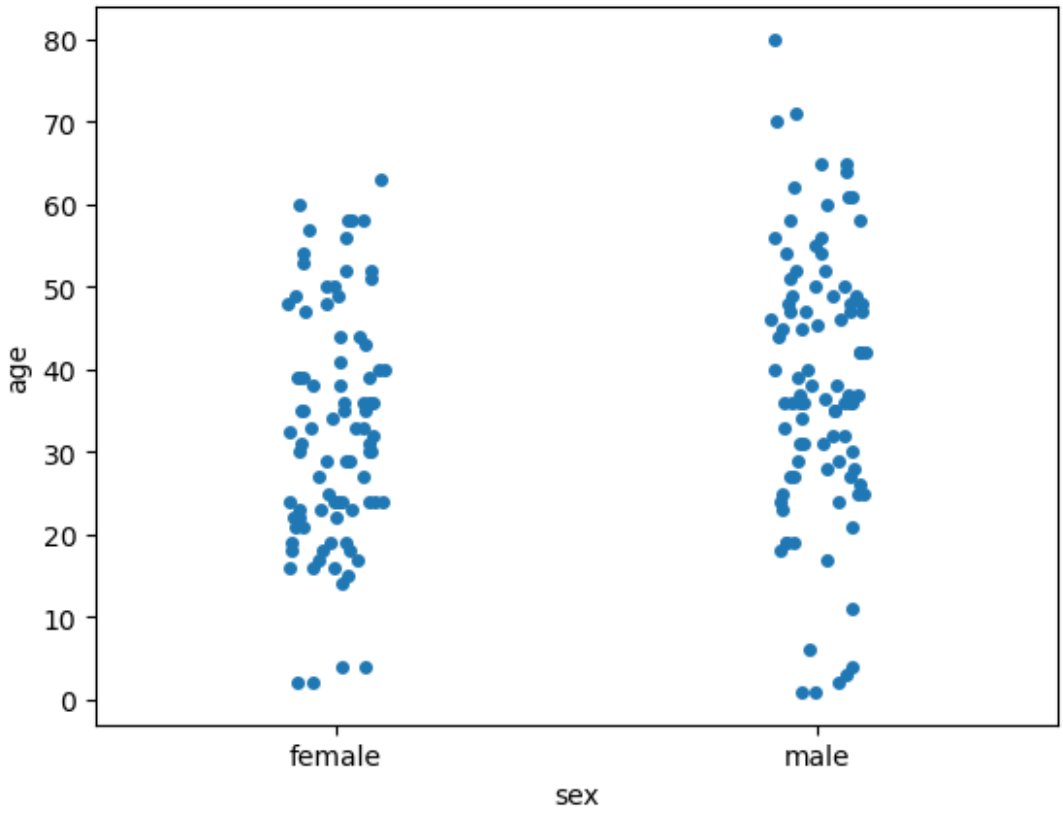

```
sns.violinplot(x='sex', y='age', data=hari, hue='survived',split=True)
```

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



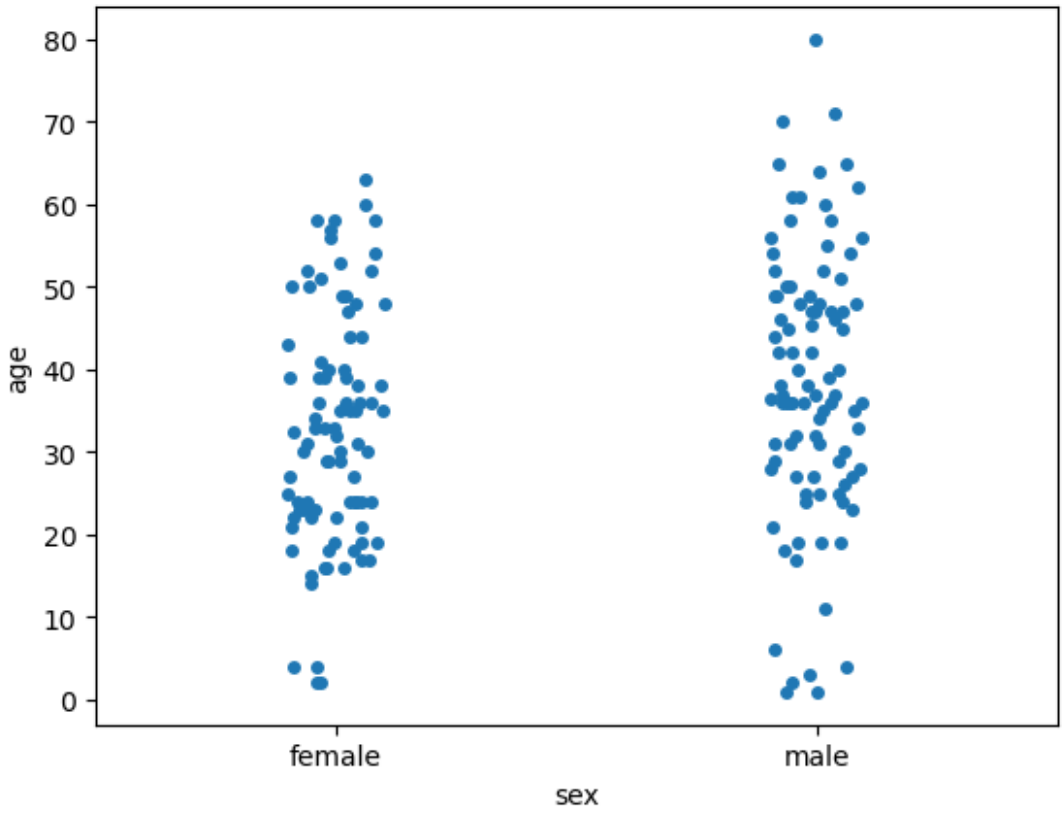

```
sns.stripplot(x='sex', y='age', data=hari)
```

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



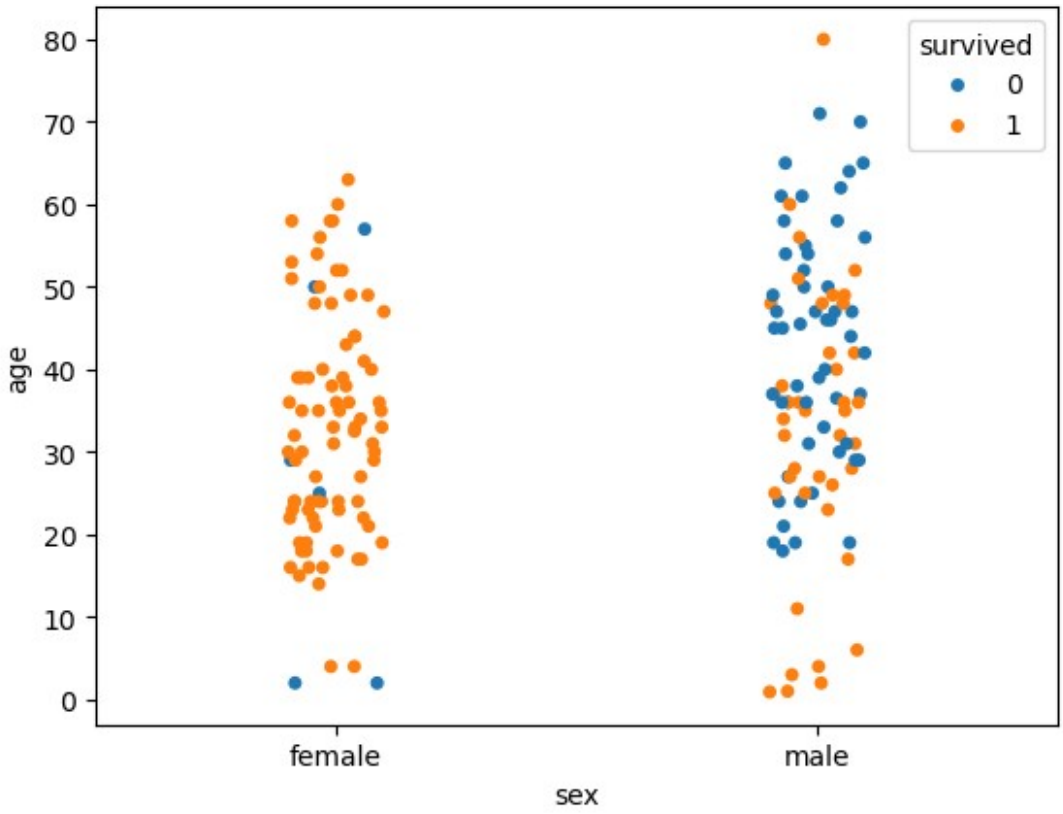

```
sns.stripplot(x='sex',y='age',data=hari,jitter=True)
```

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



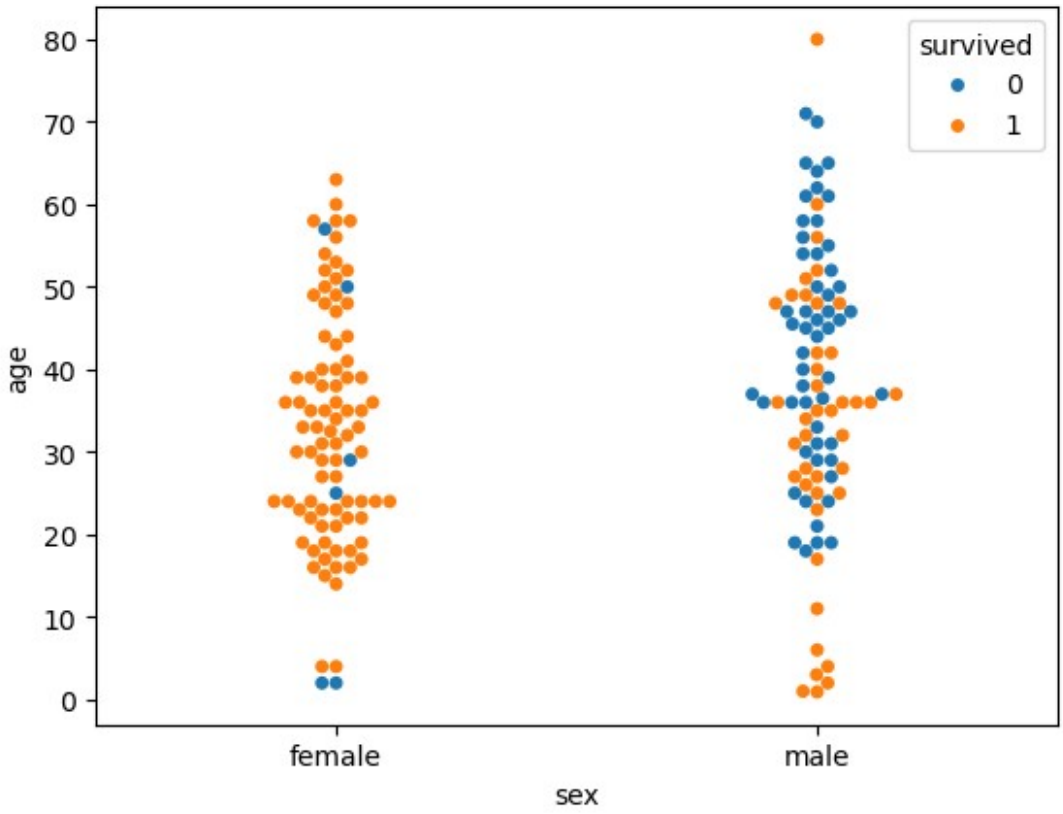

```
sns.stripplot(x='sex', y='age', data=hari, jitter=True,hue='survived')
```

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



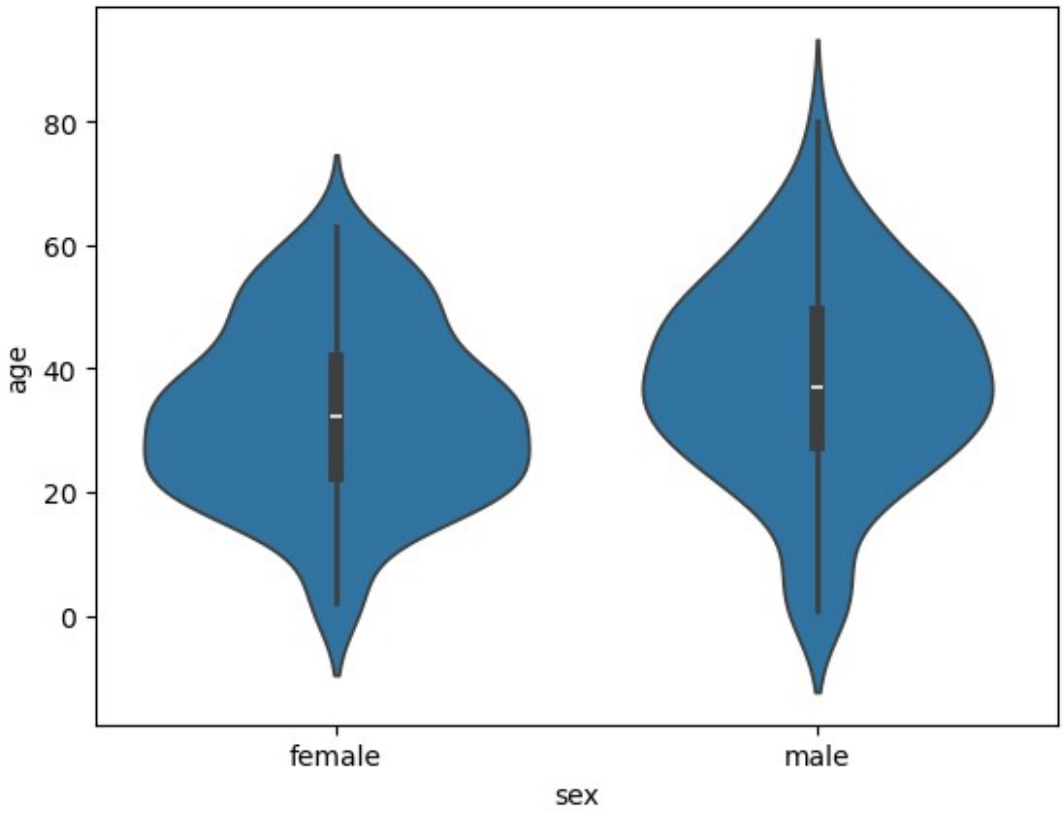

```
sns.swarmplot(x='sex', y='age', data=hari,hue='survived')
```

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



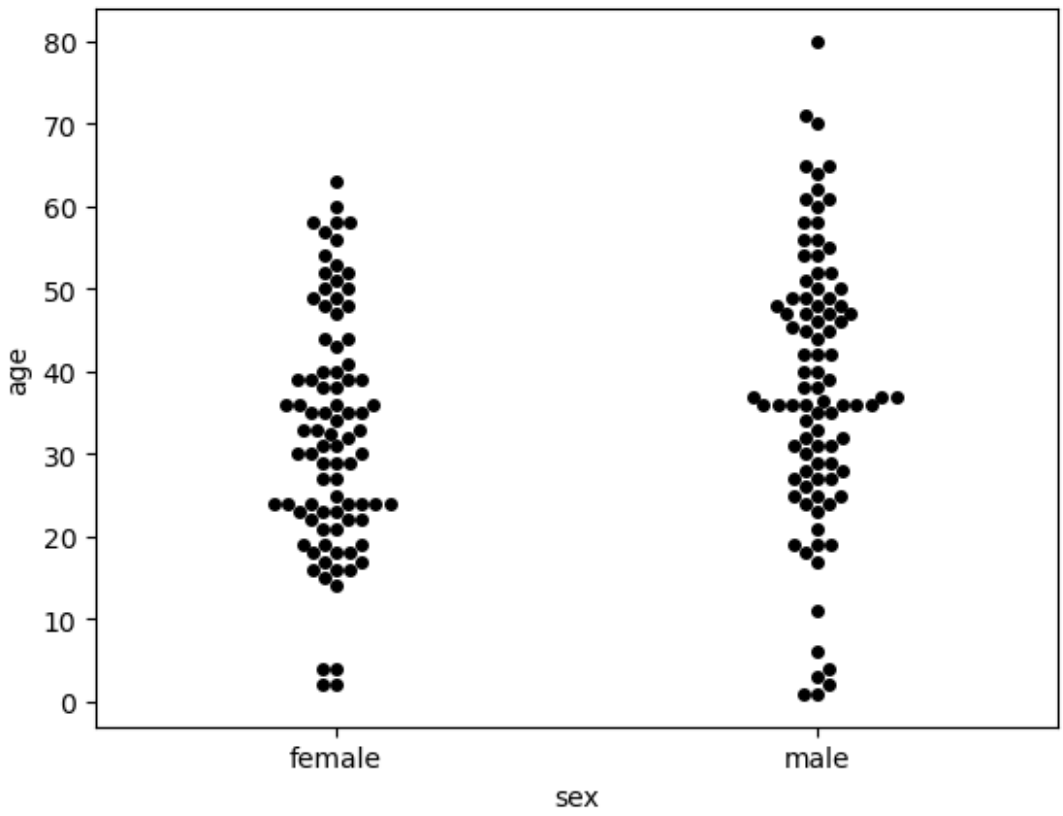

```
sns.violinplot(x='sex',y='age', data=hari)
```

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




```
sns.swarmplot(x='sex',y='age', data=hari, color='black')
```

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


80
70
60
50
40
30
20
10
0
age
female
male
sex