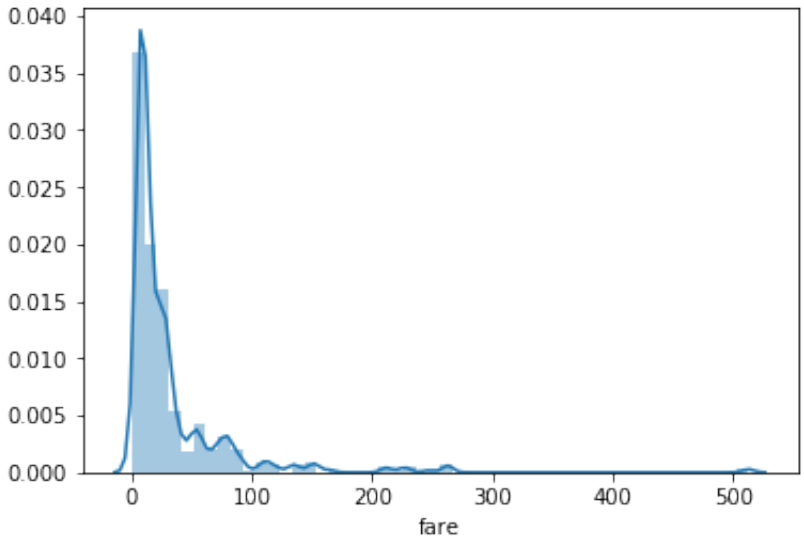
In [1]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

In [4]:
```
dataset = sns.load_dataset('titanic')
dataset.head()
```

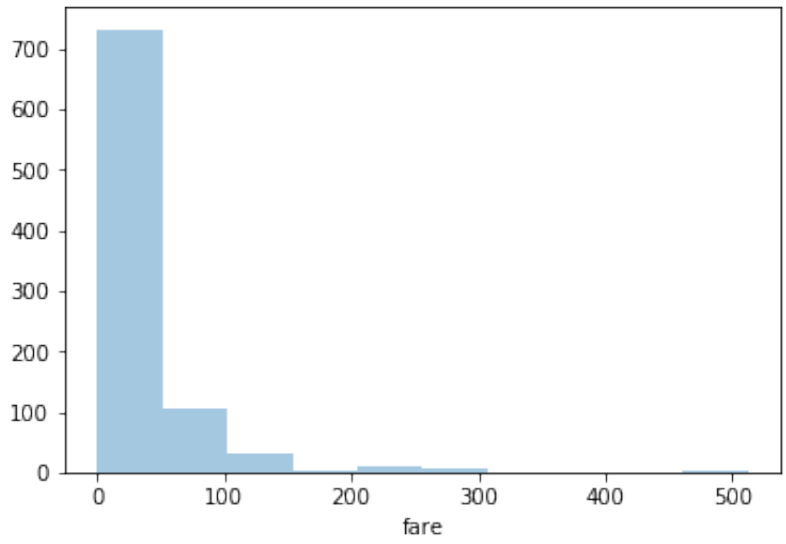
Out[4]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	ad
0	0	3	male	22.0	1	0	7.2500	S	Third	man	Tr
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	Tr

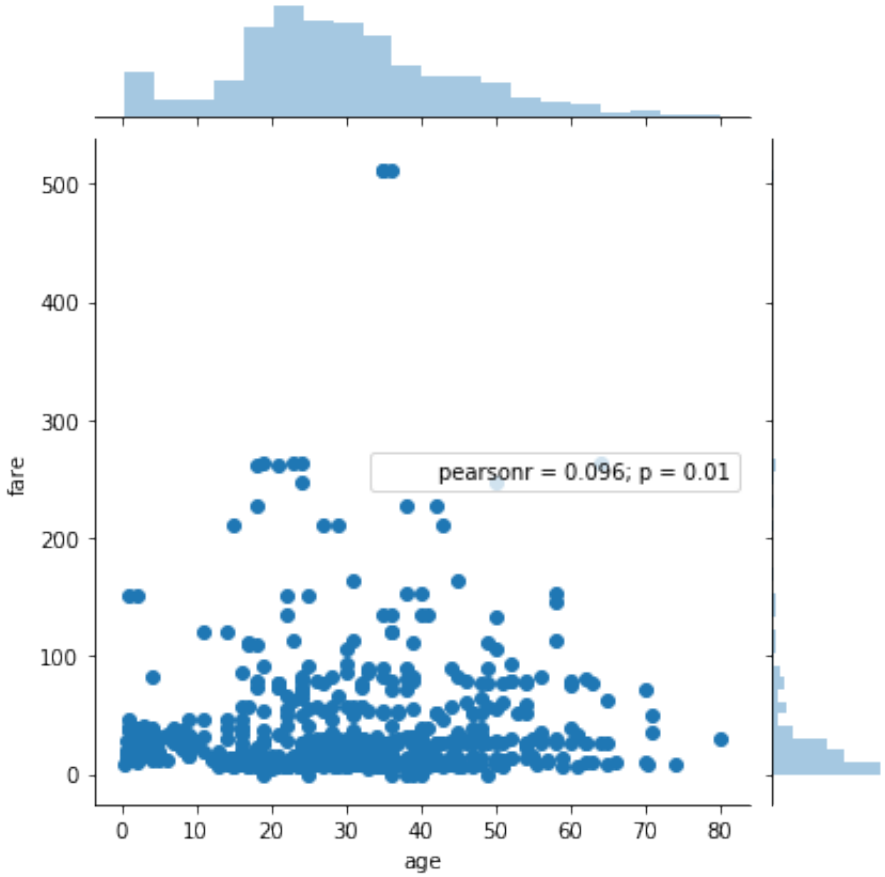
In [5]:
```
sns.distplot(dataset['fare'])
plt.show()
```



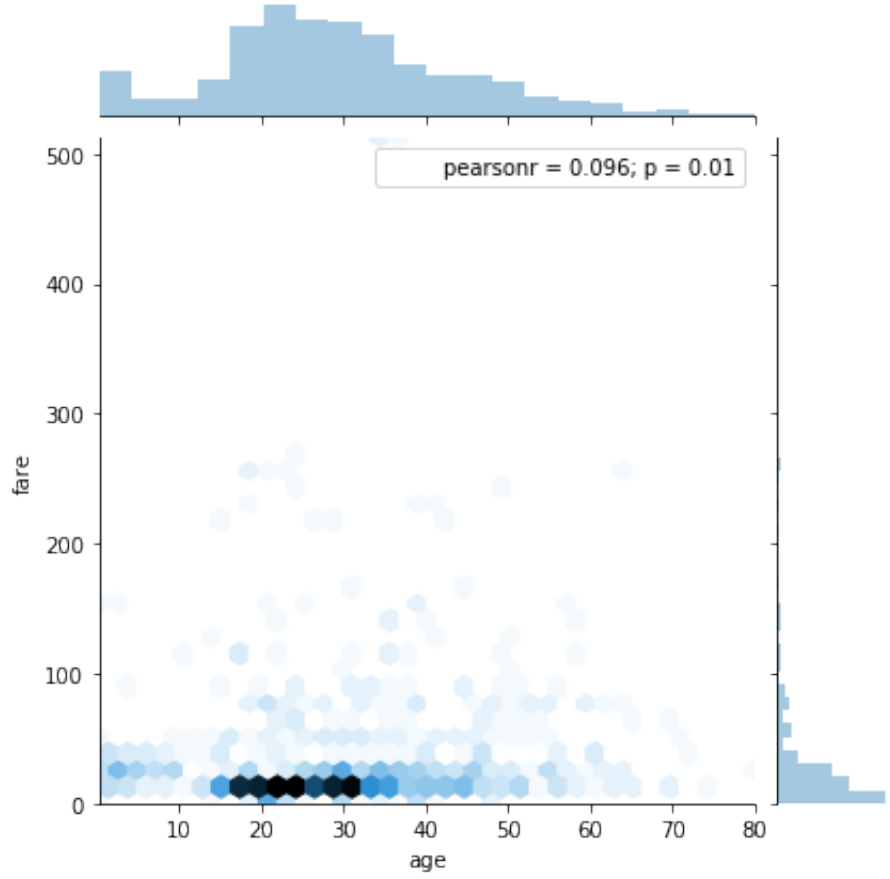
In [6]:
```
sns.distplot(dataset['fare'], kde=False, bins=10)
plt.show()
```



In [7]:
```
sns.jointplot(x='age', y='fare', data=dataset)
plt.show()
```

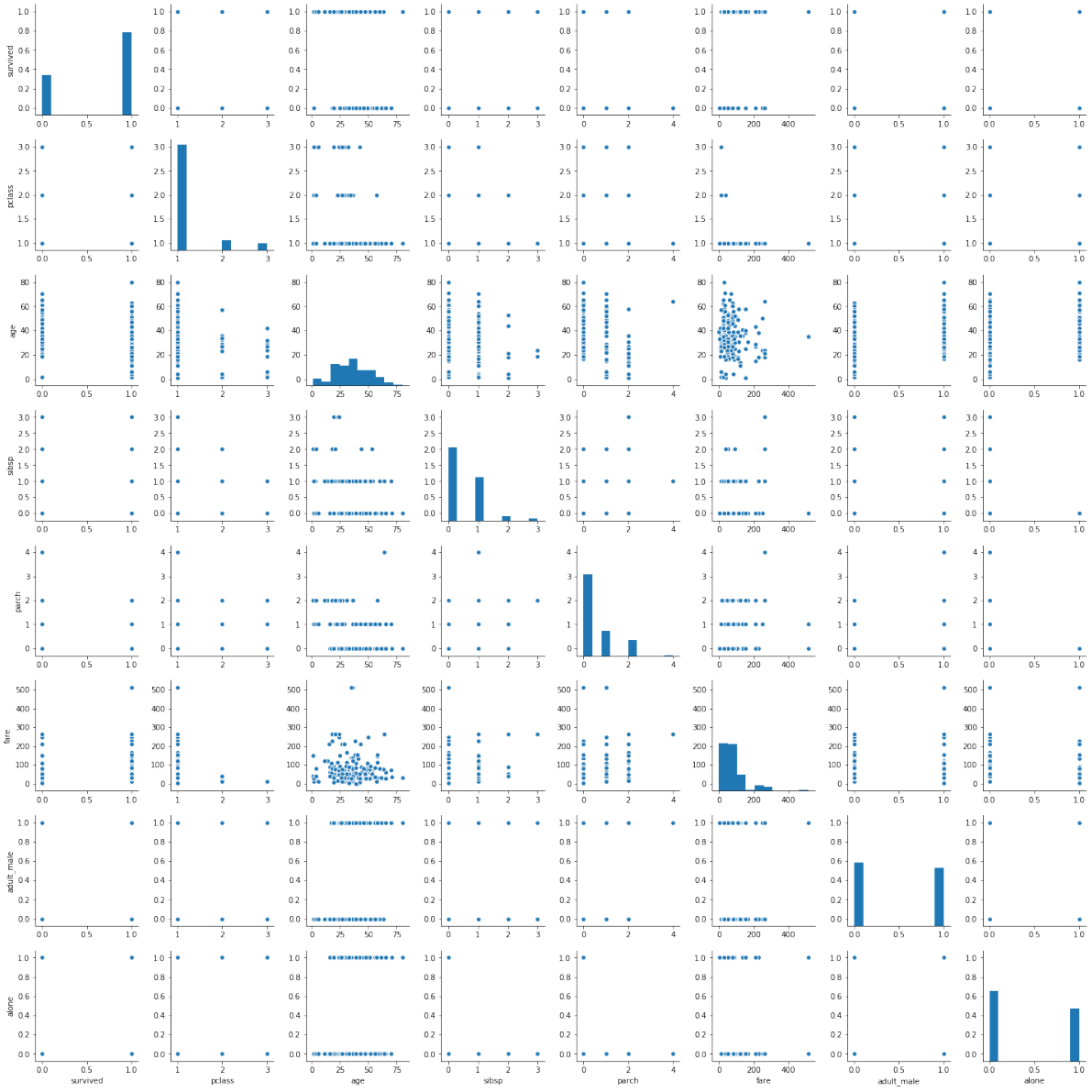


In [8]:
```
sns.jointplot(x='age', y='fare', data=dataset, kind='hex')
plt.show()
```

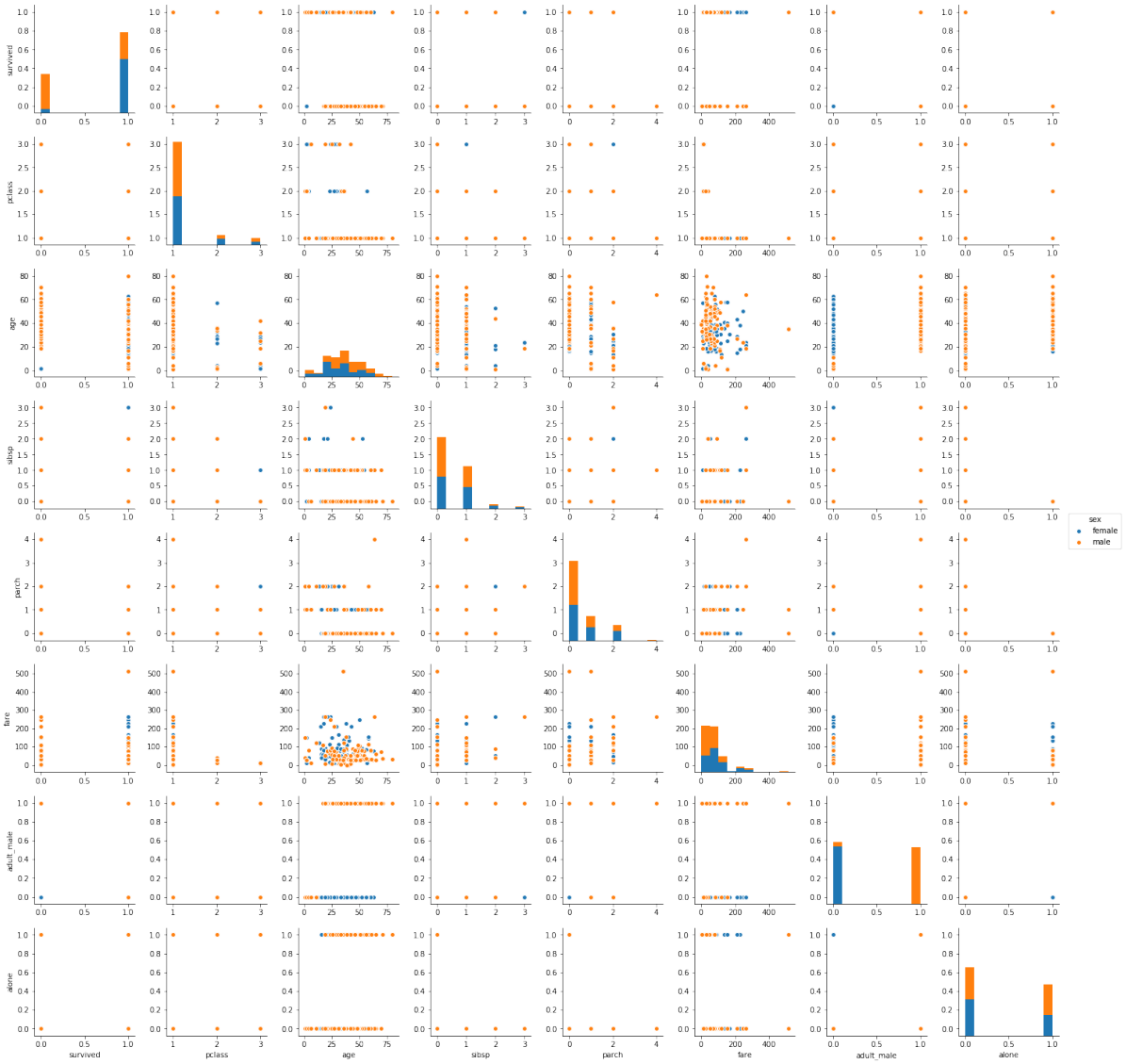


In [12]:
```
dataset = dataset.dropna()
```

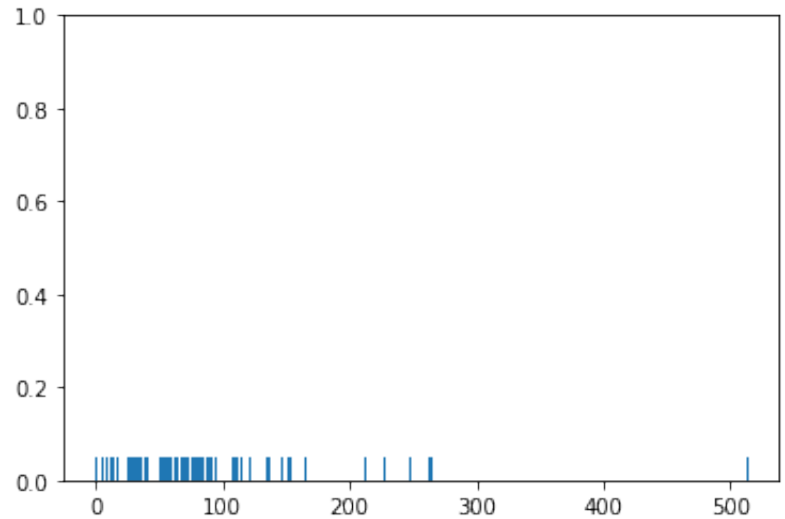
In [15]:
```
sns.pairplot(dataset)
plt.show(5)
```


survived
pclass
age
sibsp
parch
fare
adult_male
alone

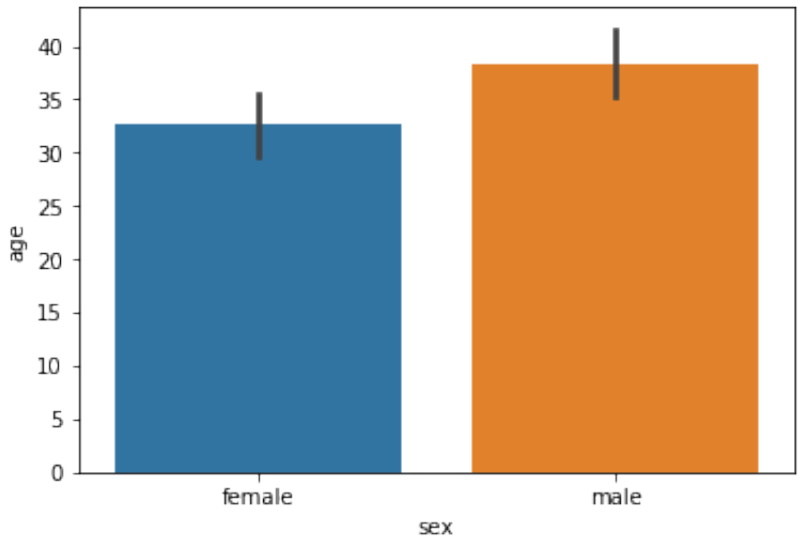
In [16]:
```
sns.pairplot(dataset, hue='sex')
plt.show()
```



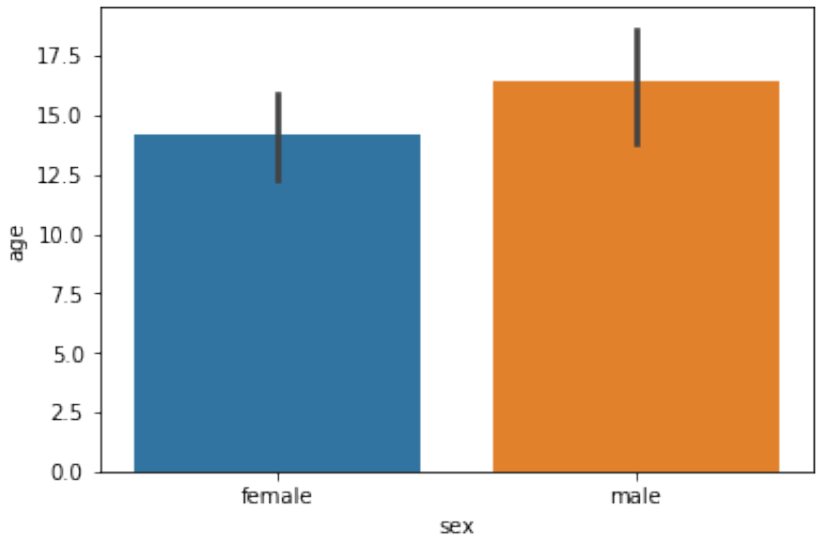
In [18]:
```
sns.rugplot(dataset['fare'])
plt.show()
```



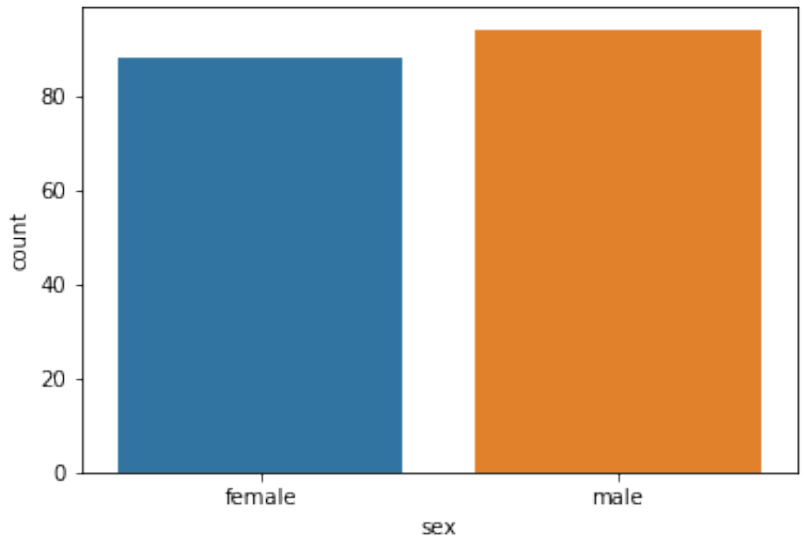
In [19]:
```
sns.barplot(x='sex', y='age', data=dataset)
plt.show()
```



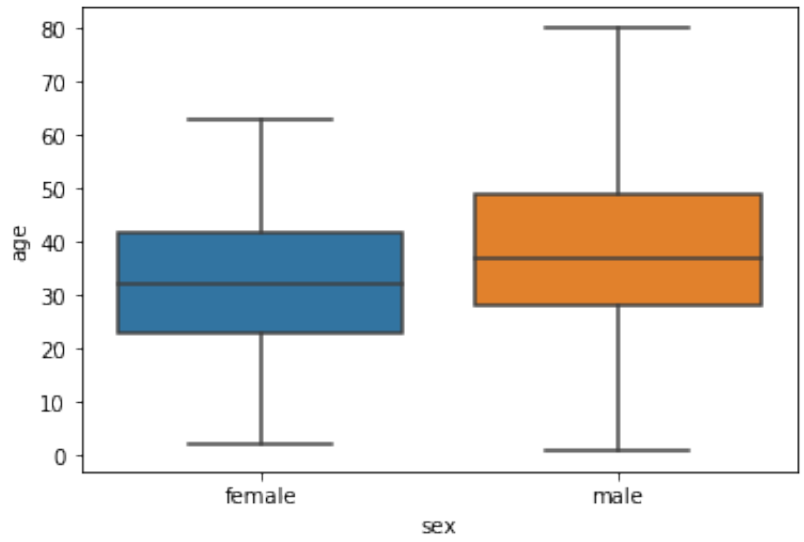
In [20]:
```
sns.barplot(x='sex', y='age', data=dataset, estimator=np.std)
plt.show()
```



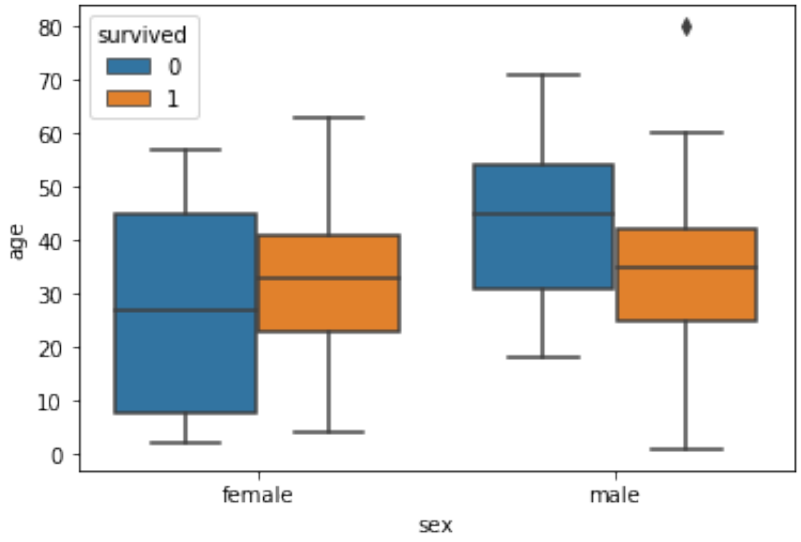
In [21]:
```
sns.countplot(x='sex', data=dataset)
plt.show()
```



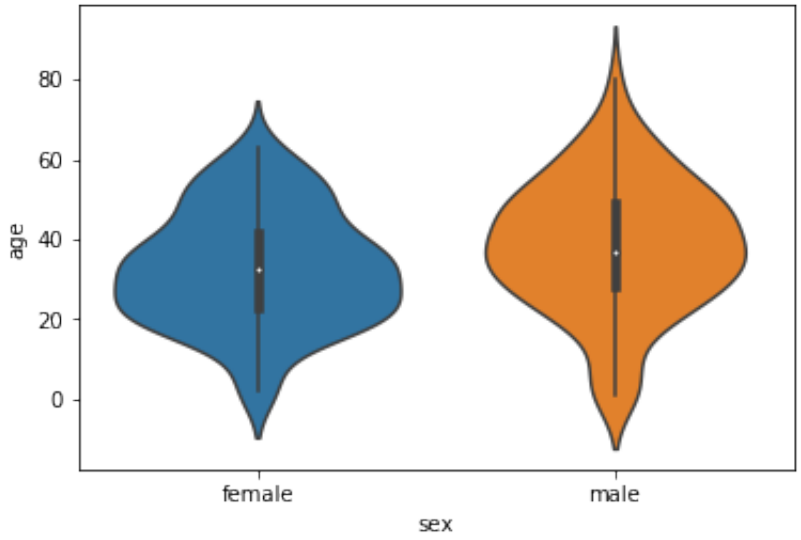
In [22]:
```
sns.boxplot(x='sex', y='age', data=dataset)
plt.show()
```



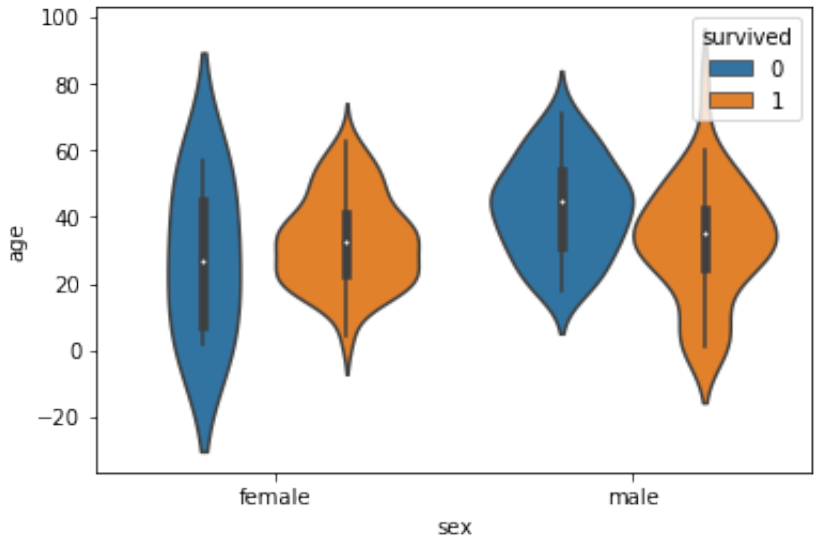
In [23]:
```
sns.boxplot(x='sex', y='age', data=dataset, hue="survived")
plt.show()
```



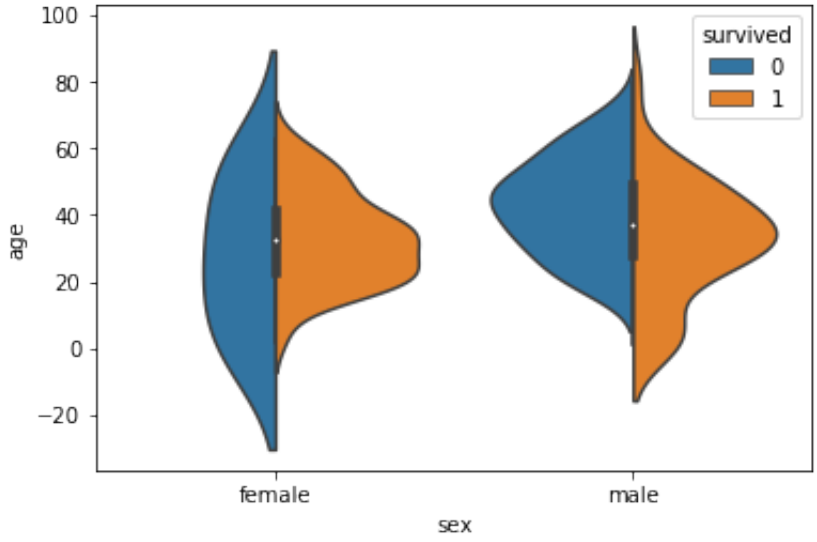
In [24]:
```
sns.violinplot(x='sex', y='age', data=dataset)
plt.show()
```



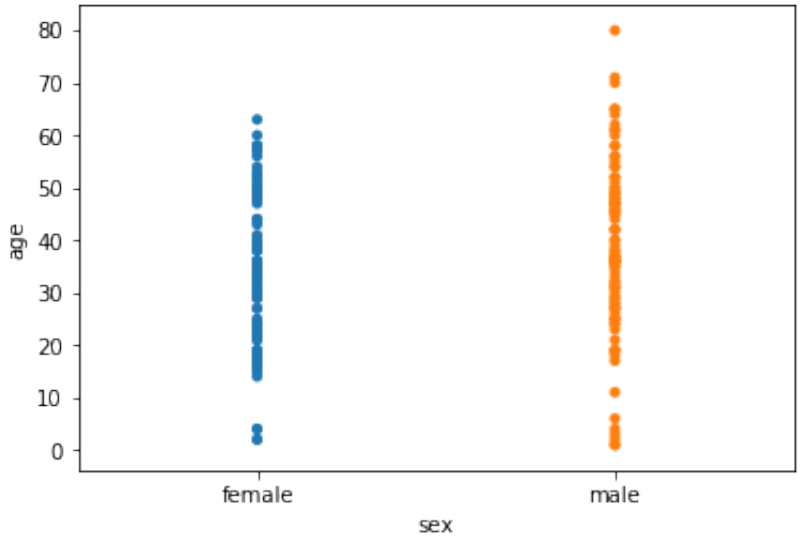
In [25]:
```
sns.violinplot(x='sex', y='age', data=dataset, hue='survived')
plt.show()
```



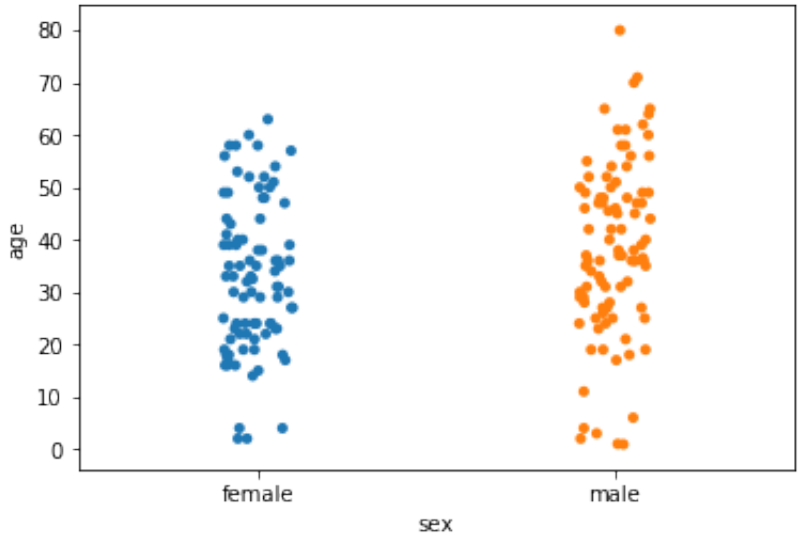
In [26]:
```
sns.violinplot(x='sex', y='age', data=dataset, hue='survived', spli
t=True)
plt.show()
```



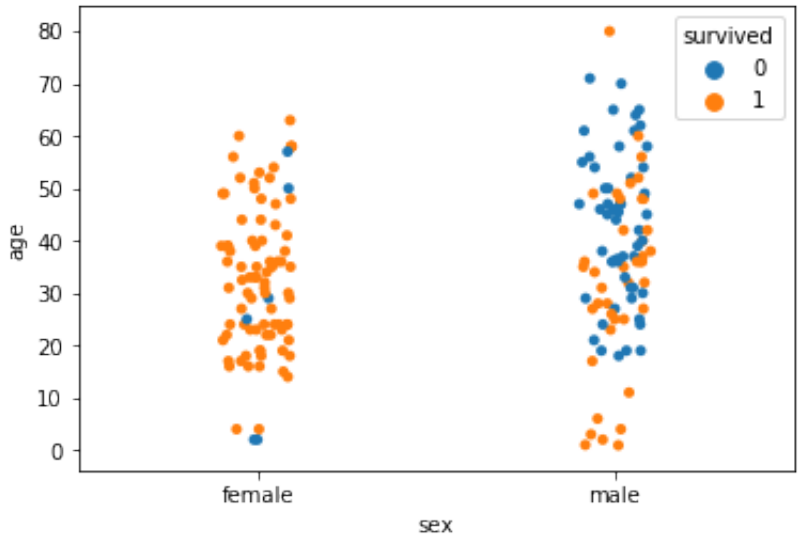
In [27]:
```
sns.stripplot(x='sex', y='age', data=dataset)
plt.show()
```



In [28]:
```
sns.stripplot(x='sex', y='age', data=dataset, jitter=True)
plt.show()
```

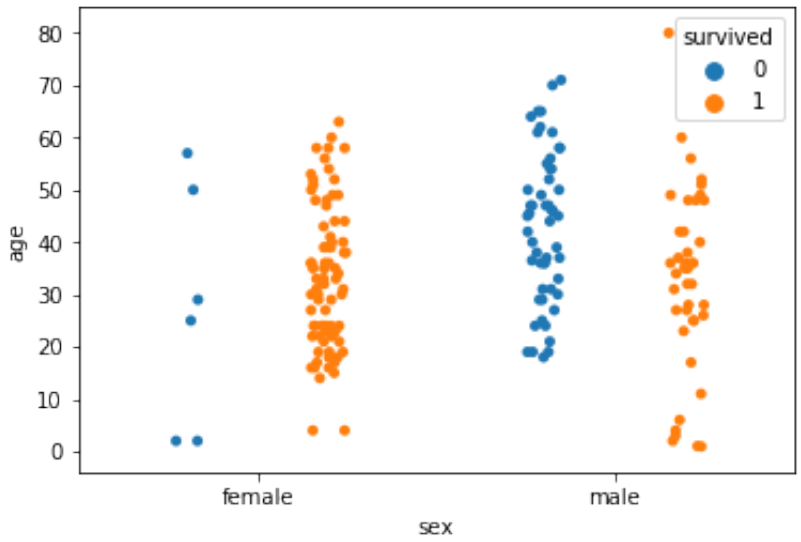


In [29]:
```
sns.stripplot(x='sex', y='age', data=dataset, jitter=True, hue='sur
vived')
plt.show()
```

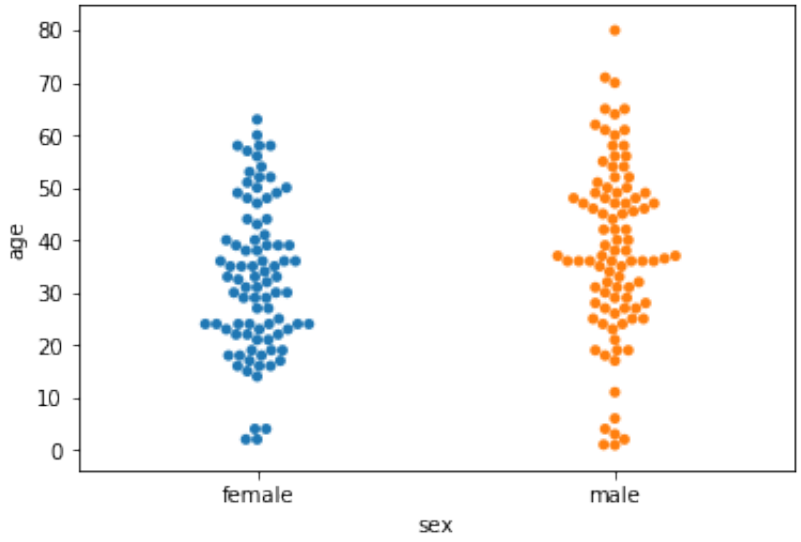


In [30]:
```
sns.stripplot(x='sex', y='age', data=dataset, jitter=True, hue='sur
vived', split=True)
plt.show()
```

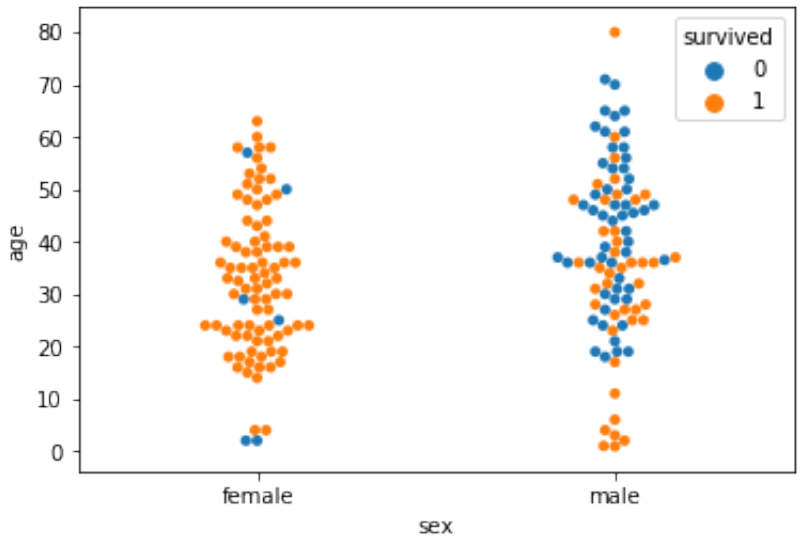
```
/home/student/anaconda2/lib/python2.7/site-packages/seaborn/catego
rical.py:2567: UserWarning: The `split` parameter has been renamed
to `dodge`.
  warnings.warn(msg, UserWarning)
```



In [31]:
```
sns.swarmplot(x='sex', y='age', data=dataset)
plt.show()
```

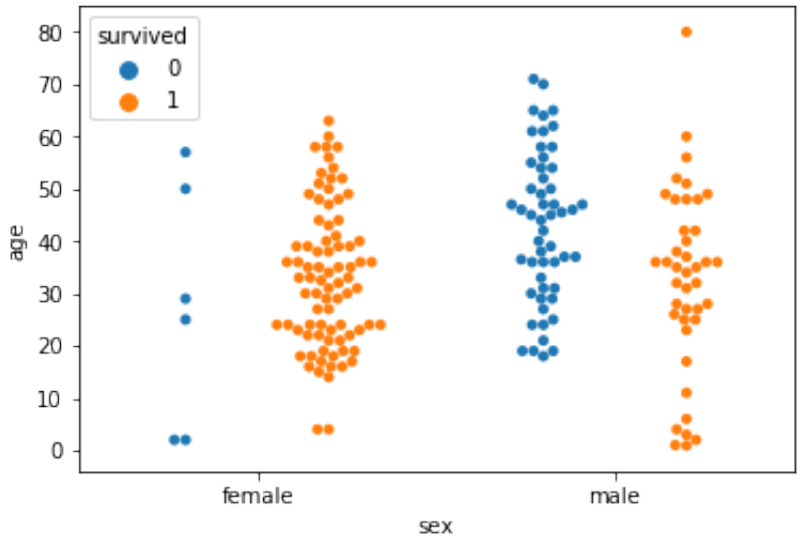


In [32]:
```
sns.swarmplot(x='sex', y='age', data=dataset, hue='survived')
plt.show()
```



In [33]:
```
sns.swarmplot(x='sex', y='age', data=dataset, hue='survived', split
=True)
plt.show()
```

```
/home/student/anaconda2/lib/python2.7/site-packages/seaborn/catego
rical.py:2764: UserWarning: The `split` parameter has been renamed
to `dodge`.
  warnings.warn(msg, UserWarning)
```



In [35]:
```
sns.violinplot(x='sex', y='age', data=dataset)
sns.swarmplot(x='sex', y='age', data=dataset, color='black')
plt.show()
```