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

In [6]:
```
dataset = pd.read_csv("/home/student/Desktop/Titanic1.csv")
```

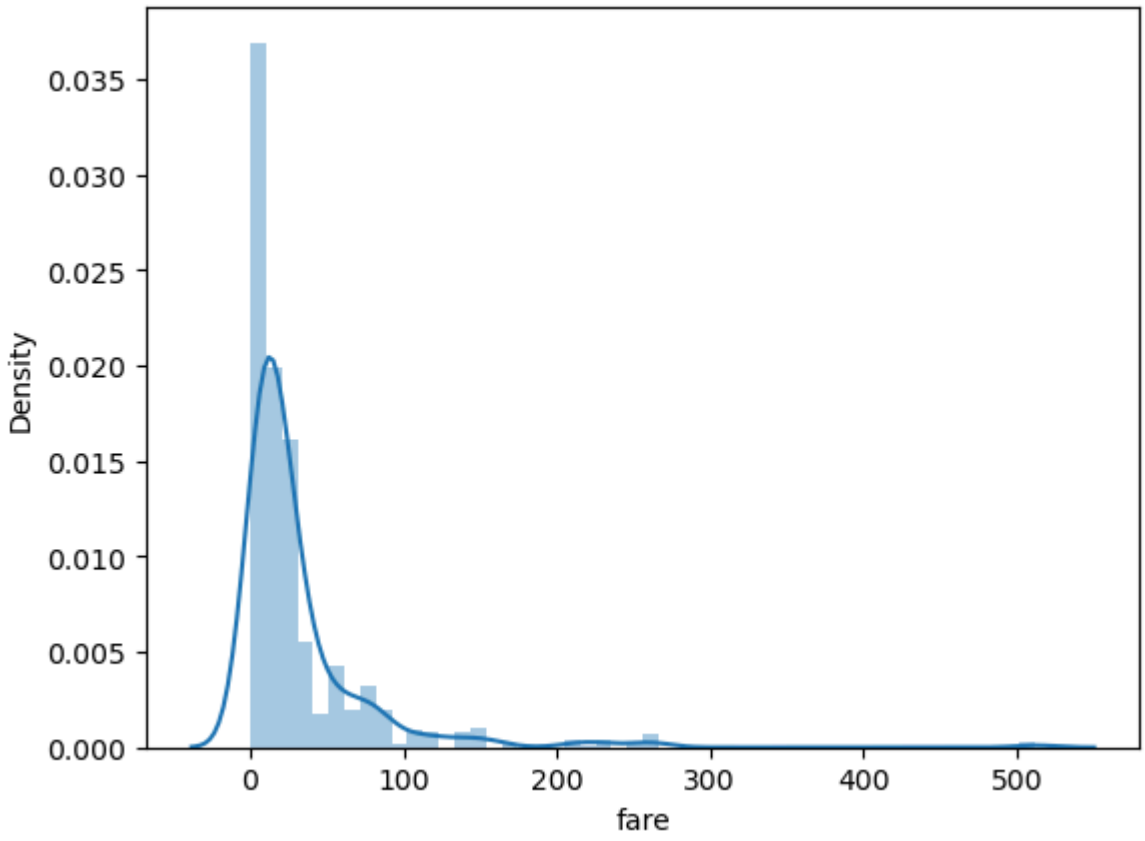
In [7]:
```
dataset.head()
```

Out[7]:

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

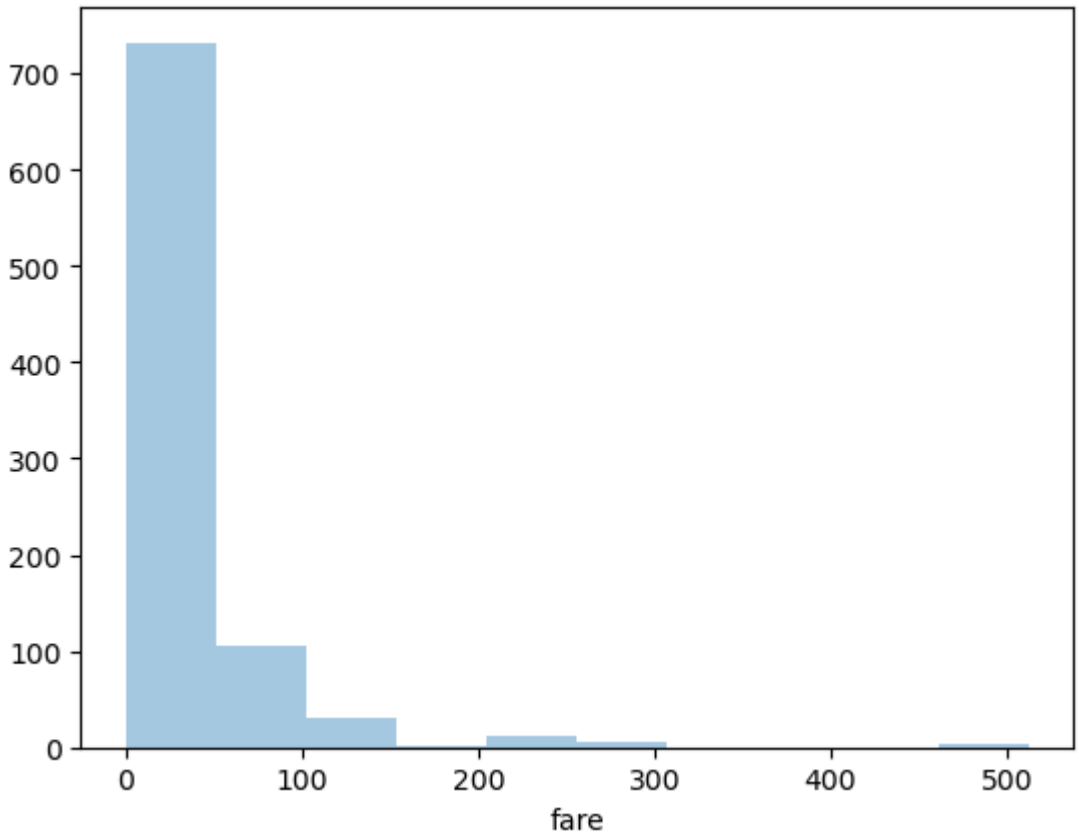
In [8]:
```
sns.distplot(dataset['fare'])
```

Out[8]:
```
<Axes: xlabel='fare', ylabel='Density'>
```



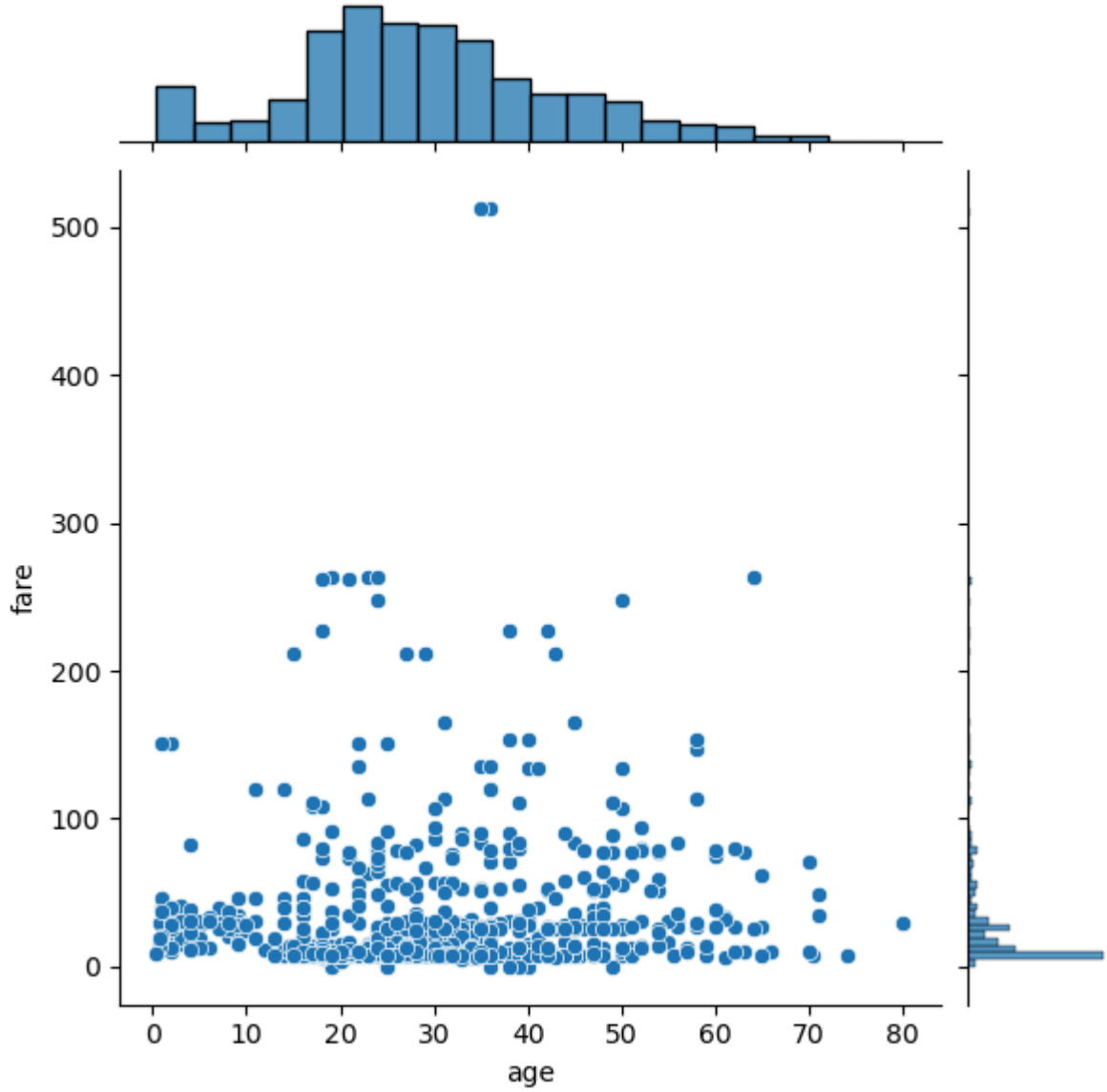
In [10]:
```
sns.distplot(dataset['fare'],kde=False,bins=10)
```

Out[10]:
```
<Axes: xlabel='fare'>
```



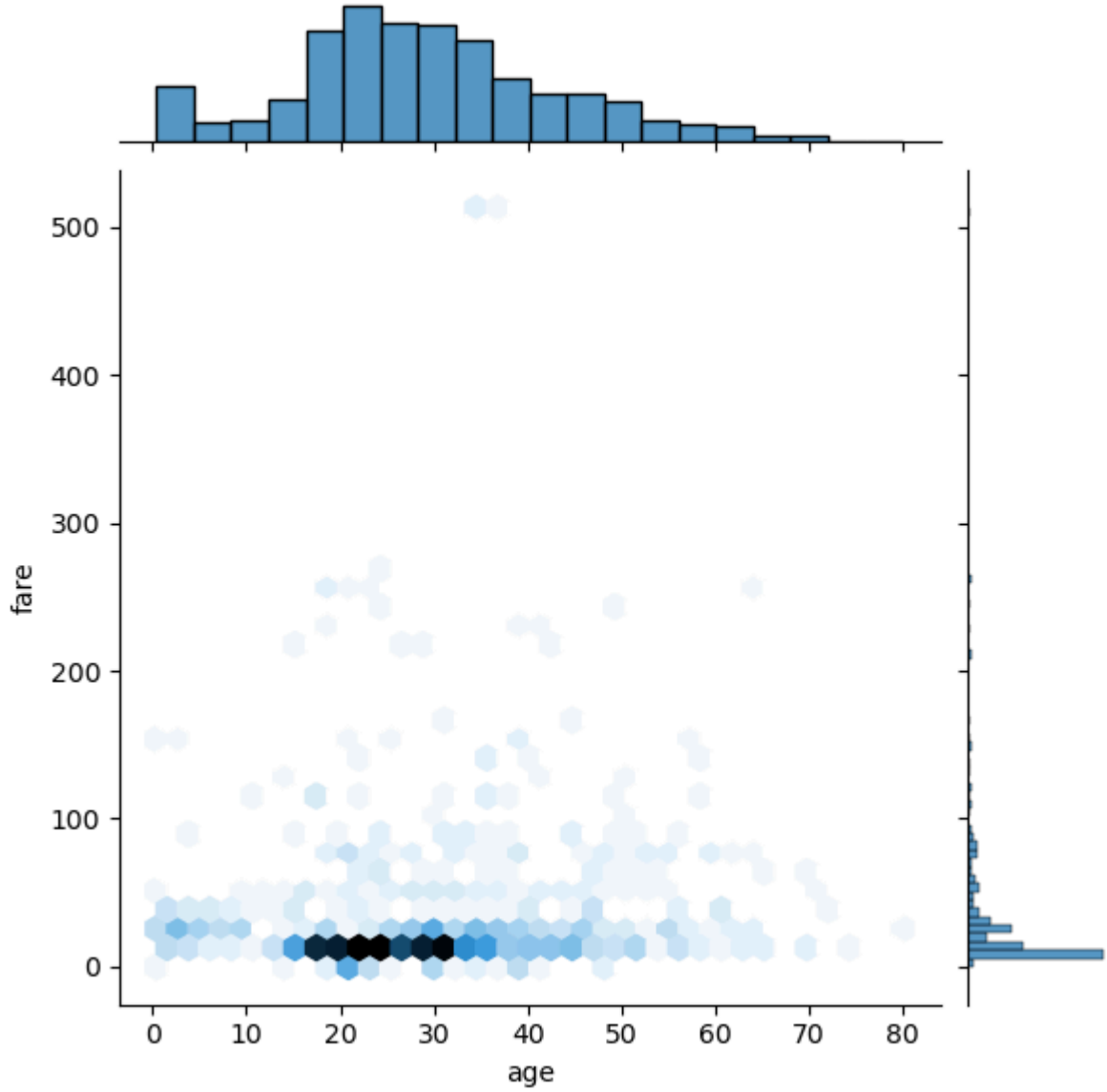
In [12]:
```
sns.jointplot(x='age',y='fare',data=dataset)
```

Out[12]:
```
<seaborn.axisgrid.JointGrid at 0x7f0b530fc0a0>
```



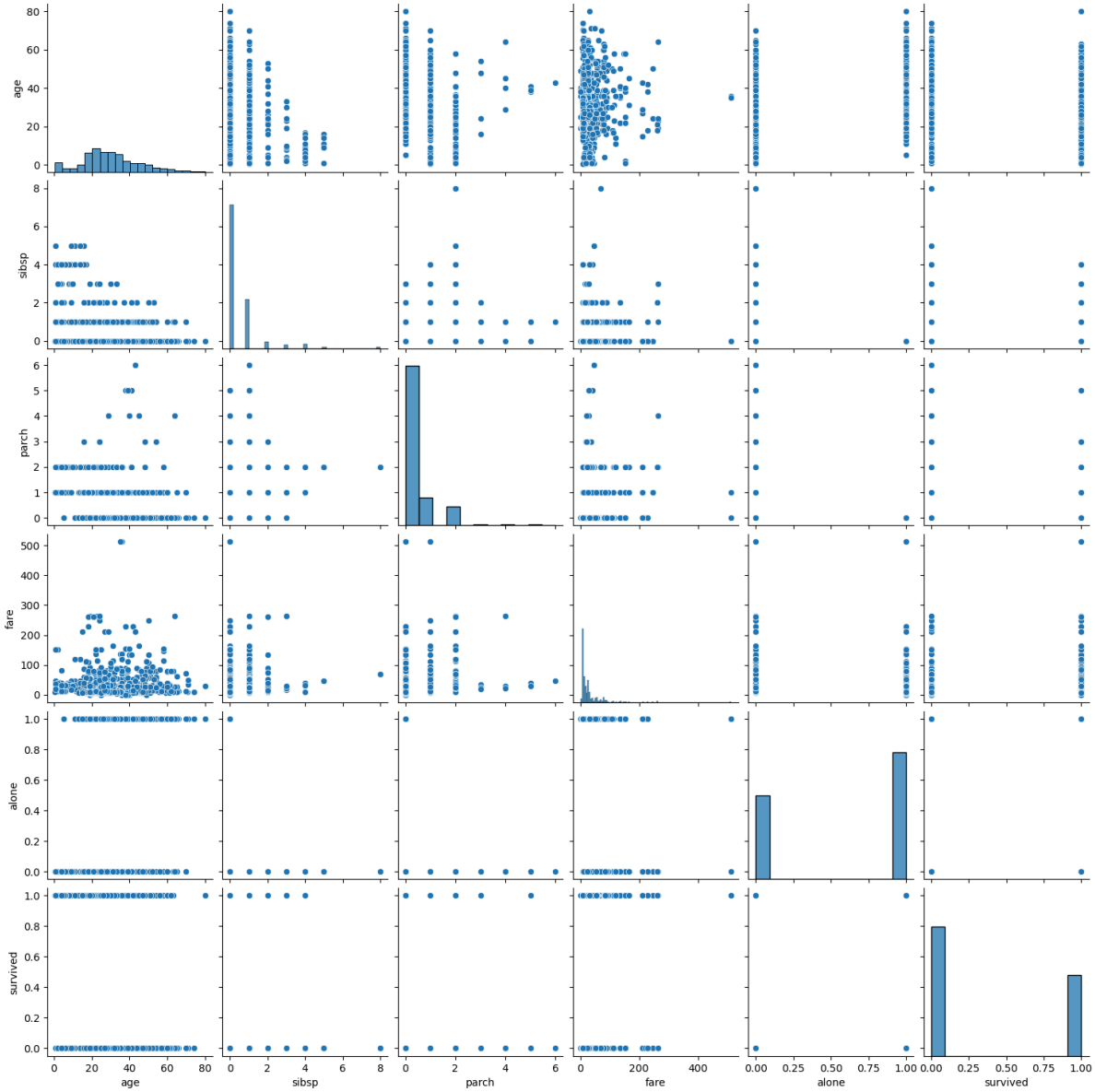
In [13]:
```
sns.jointplot(x='age',y='fare',data=dataset,kind='hex')
```

Out[13]:
```
<seaborn.axisgrid.JointGrid at 0x7f0b50f18eb0>
```



In [14]:
```
sns.pairplot(dataset)
```

Out[14]:
```
<seaborn.axisgrid.PairGrid at 0x7f0b50fb8670>
```



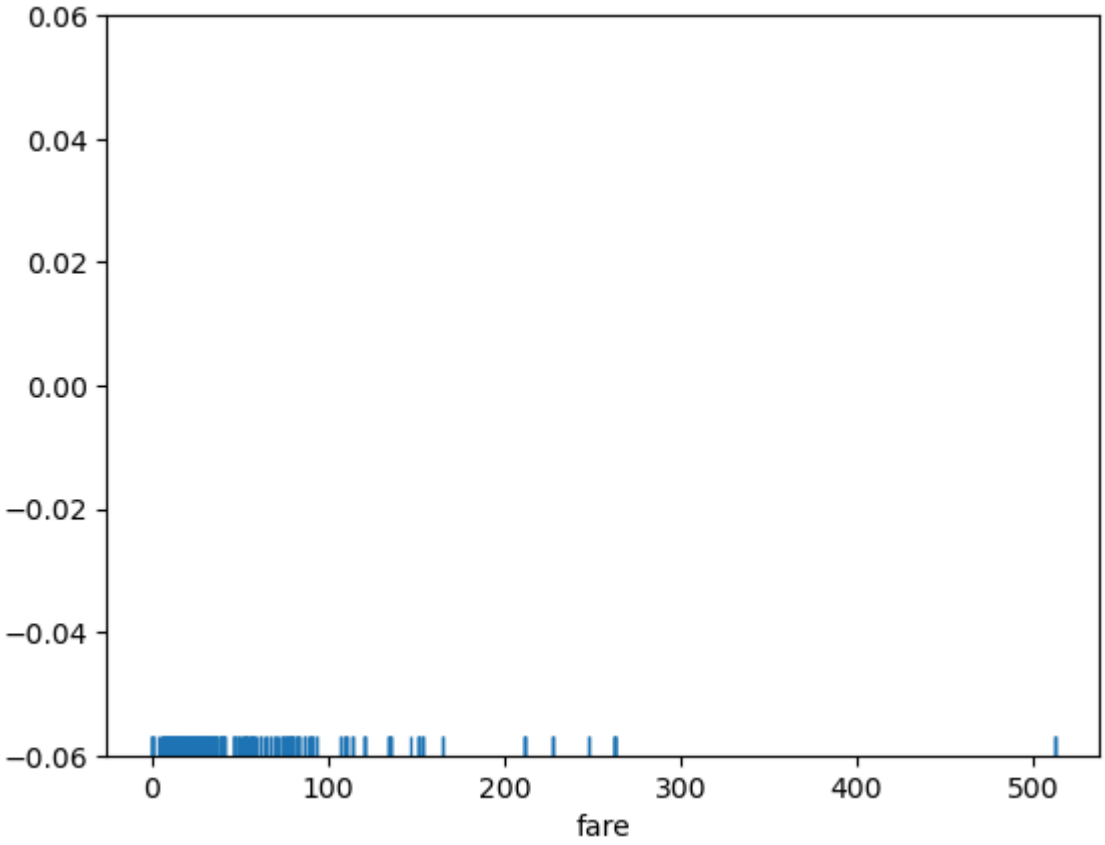
In [15]:
```
dataset=dataset.dropna()
```

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

Out[16]:
```
<seaborn.axisgrid.PairGrid at 0x7f0b530febc0>
```

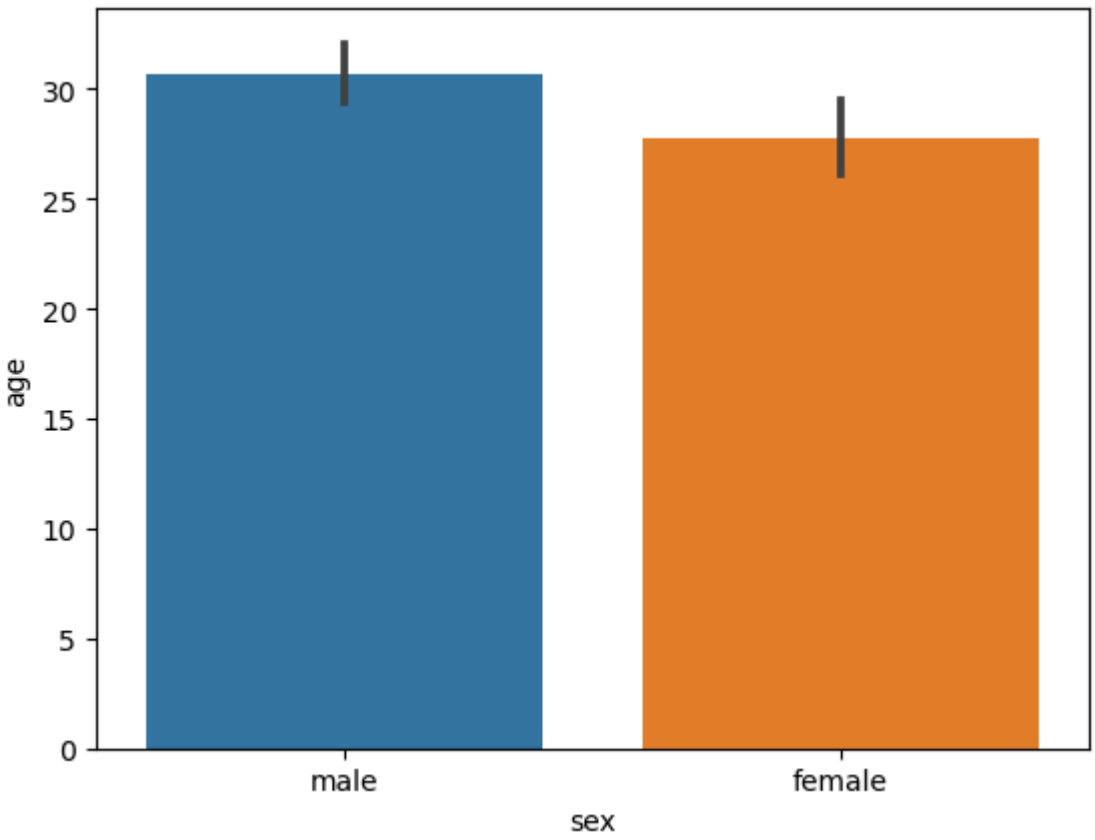
In [17]:
```
sns.rugplot(dataset['fare'])
```

Out[17]:
```
<Axes: xlabel='fare'>
```



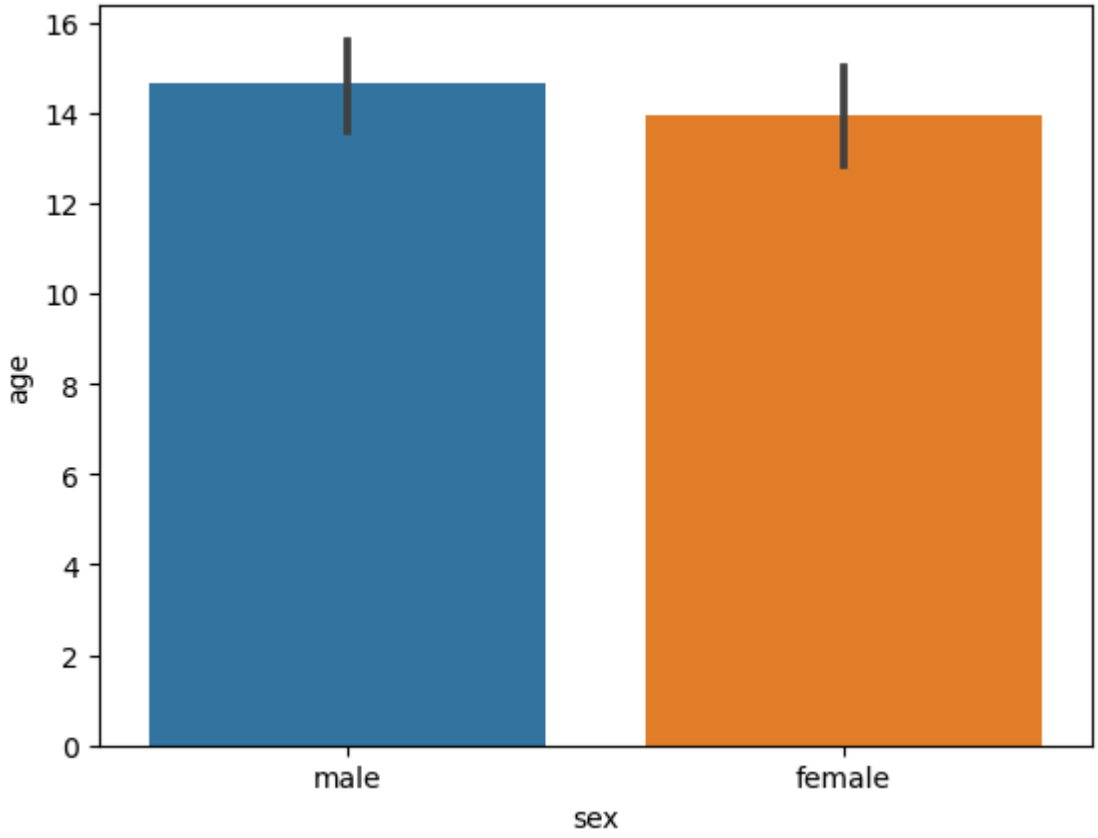
In [18]:
```
sns.barplot(x='sex',y='age',data=dataset)
```

Out[18]:
```
<Axes: xlabel='sex', ylabel='age'>
```



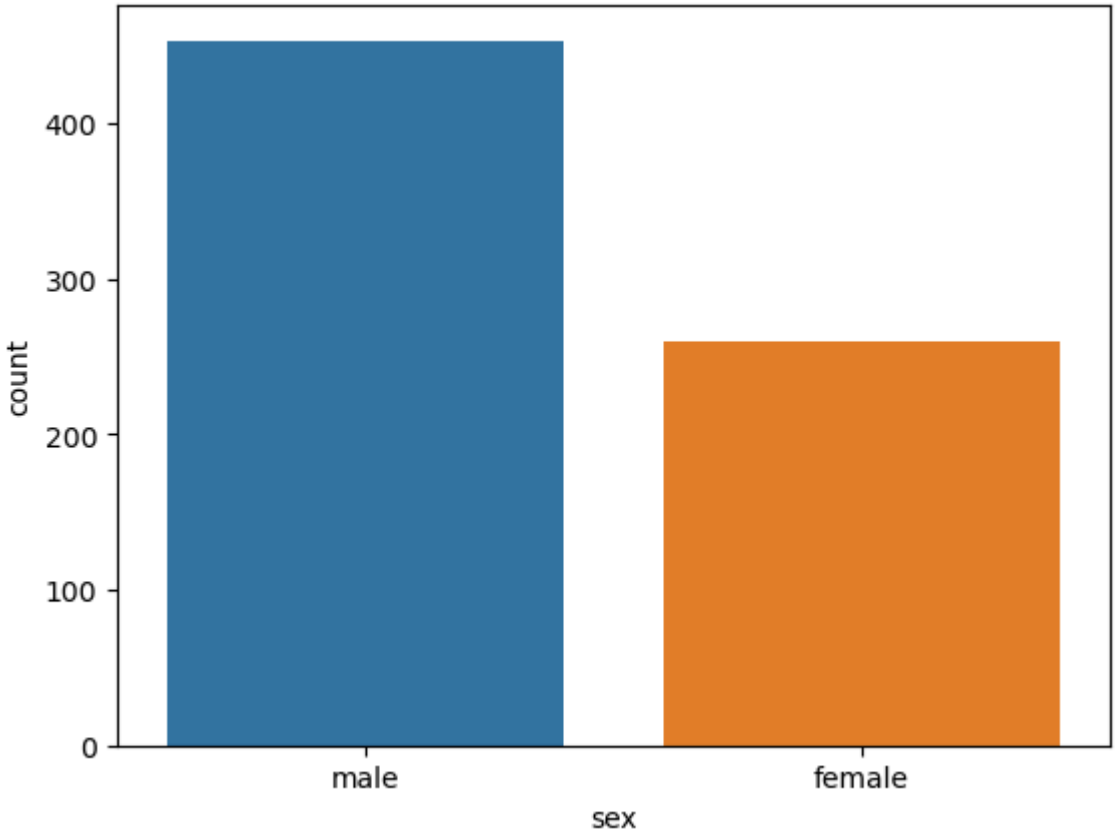
In [19]:
```
sns.barplot(x='sex',y='age',data=dataset,estimator=np.std)
```

Out[19]:
```
<Axes: xlabel='sex', ylabel='age'>
```



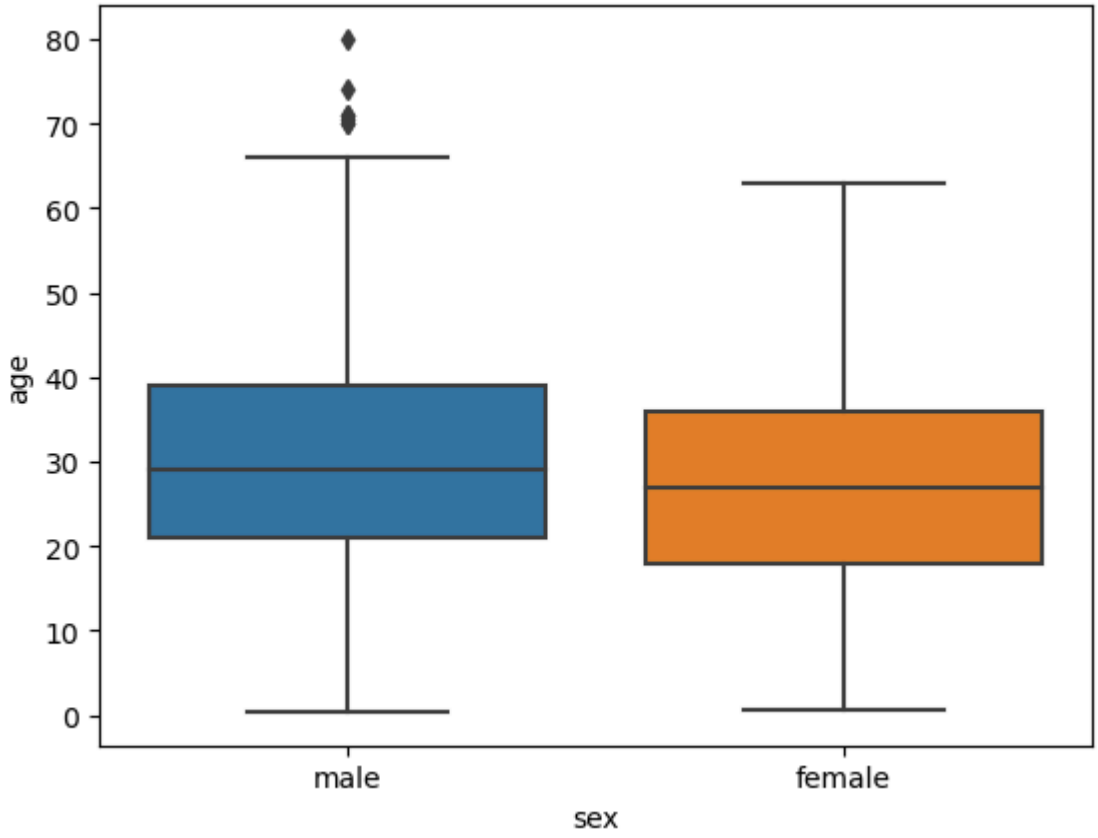
In [22]:
```
sns.countplot(x='sex',data=dataset)
```

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



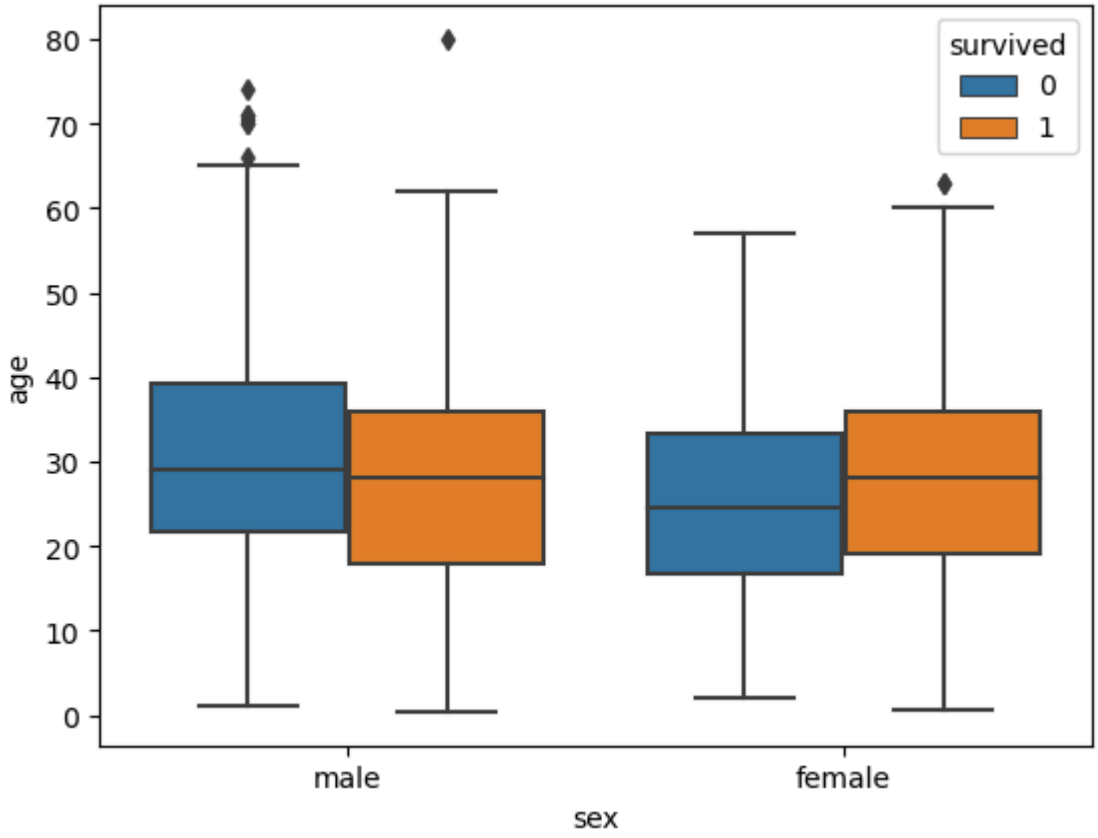
In [23]:
```
sns.boxplot(x='sex',y='age',data=dataset)
```

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



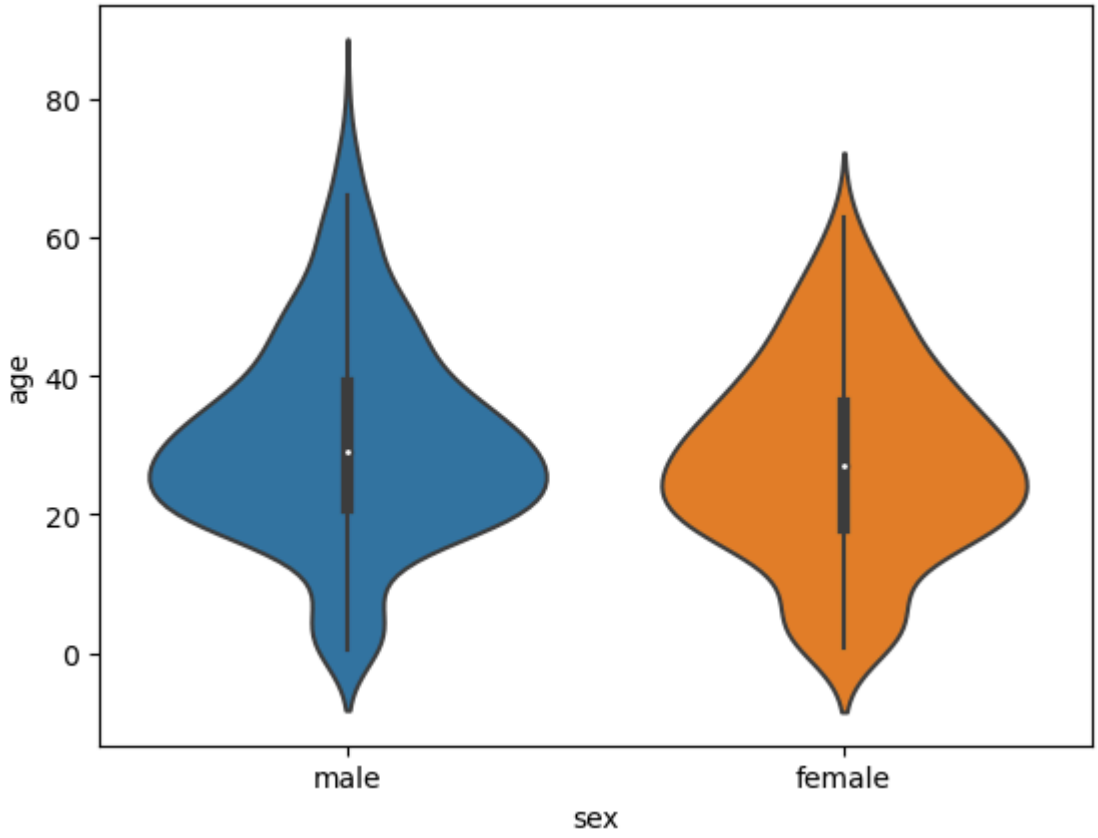
In [25]:
```
sns.boxplot(x='sex',y='age',data=dataset,hue='survived')
```

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



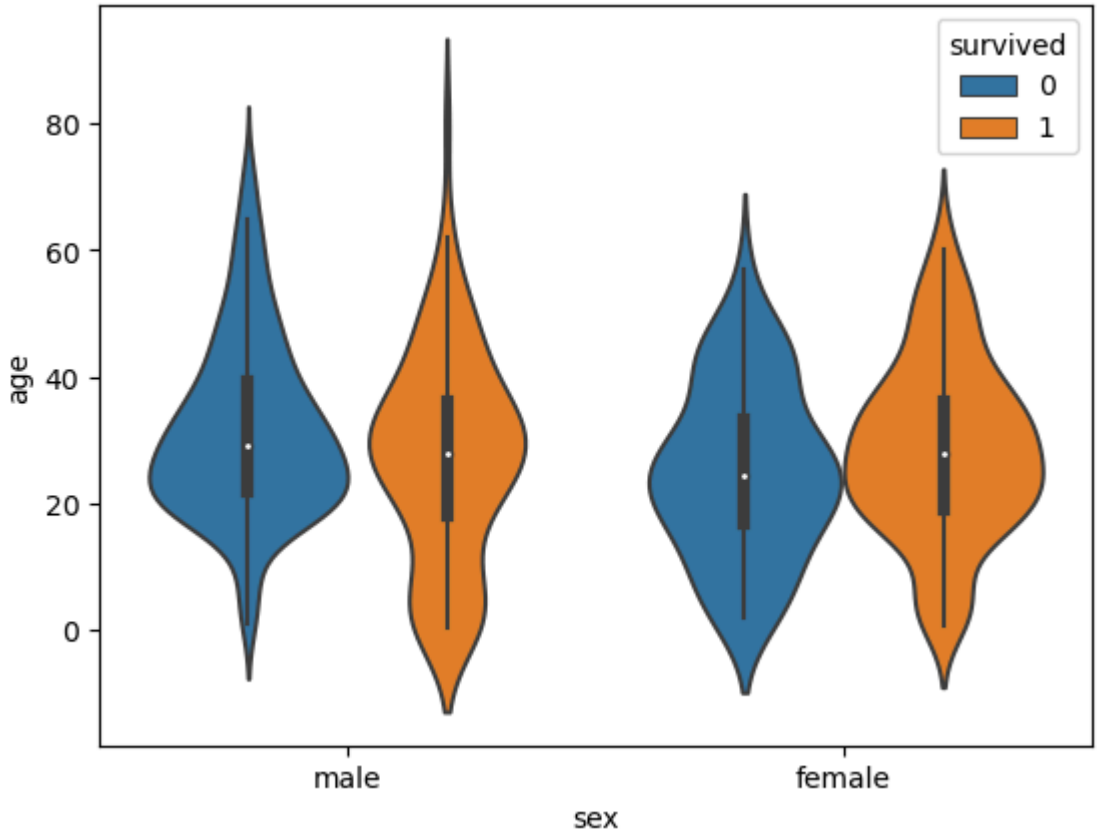
In [26]:
```
sns.violinplot(x='sex', y='age', data=dataset)
```

Out[26]:
```
<Axes: xlabel='sex', ylabel='age'>
```



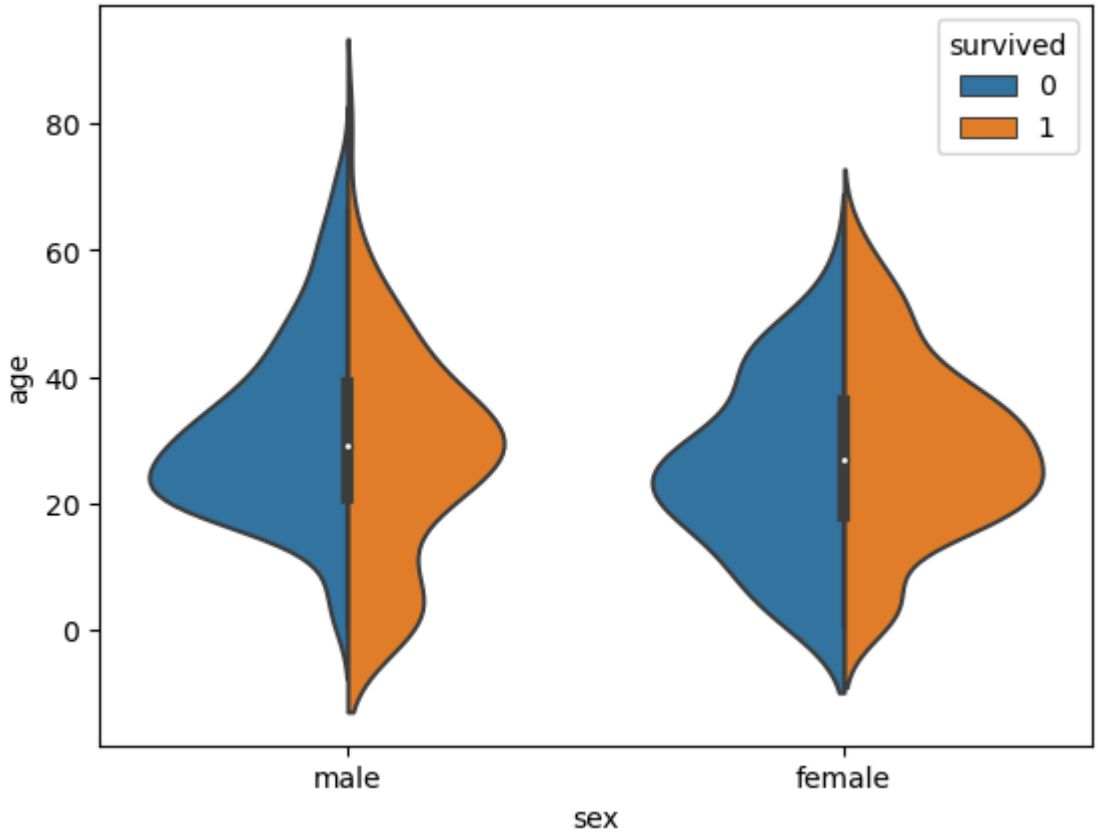
In [27]:
```
sns.violinplot(x='sex', y='age', data=dataset, hue='survived')
```

Out[27]:
```
<Axes: xlabel='sex', ylabel='age'>
```



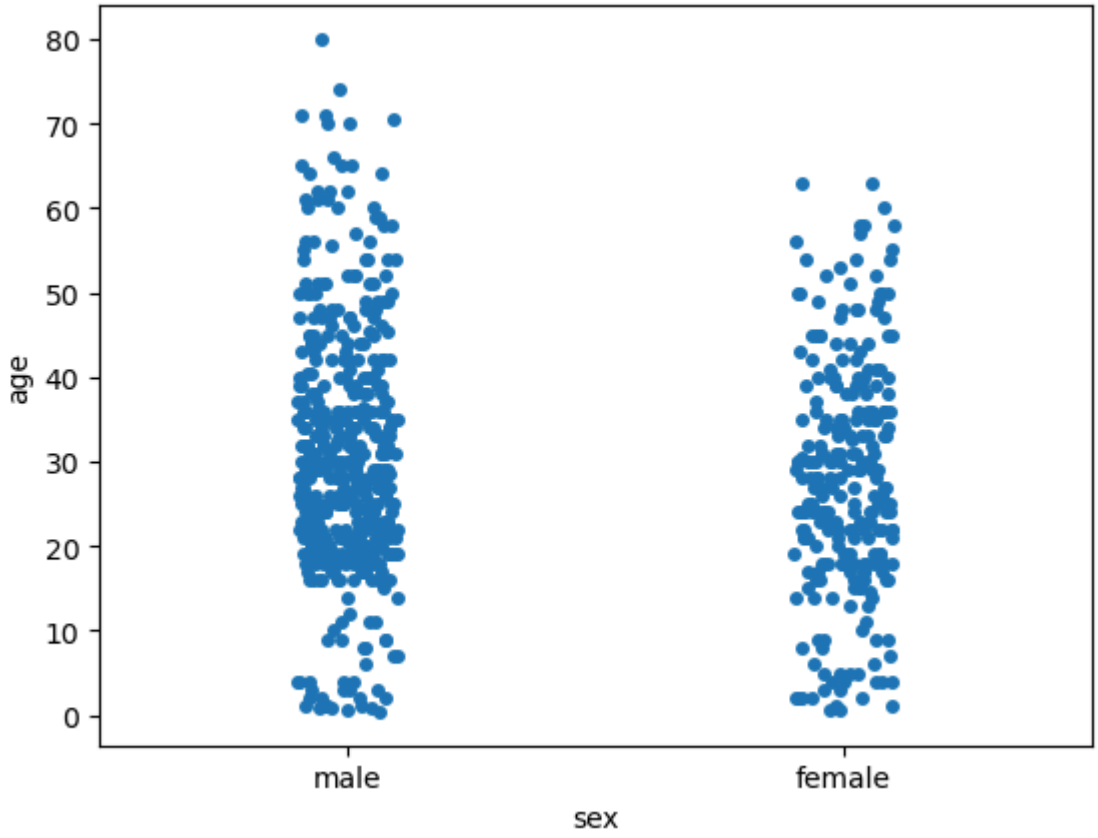
In [28]:
```
sns.violinplot(x='sex', y='age', data=dataset, hue='survived',split='True')
```

Out[28]:
```
<Axes: xlabel='sex', ylabel='age'>
```



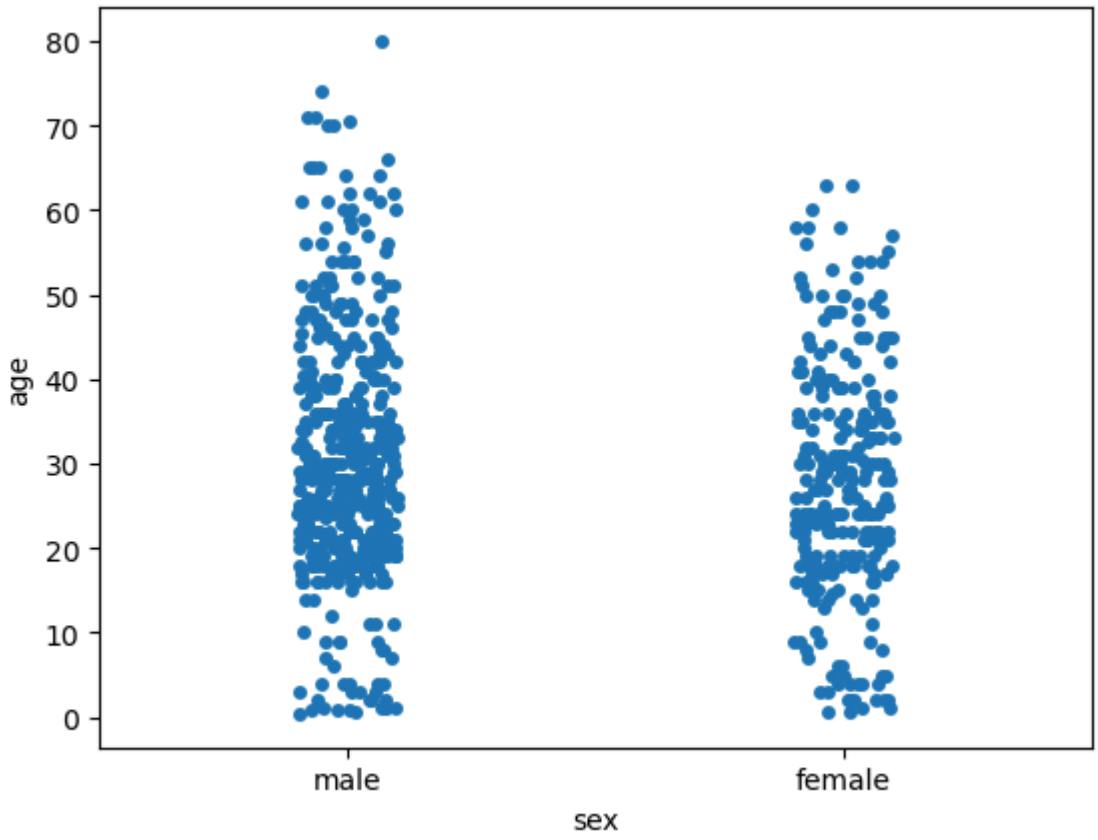
In [29]:
```
sns.stripplot(x='sex', y='age', data=dataset)
```

Out[29]:
```
<Axes: xlabel='sex', ylabel='age'>
```



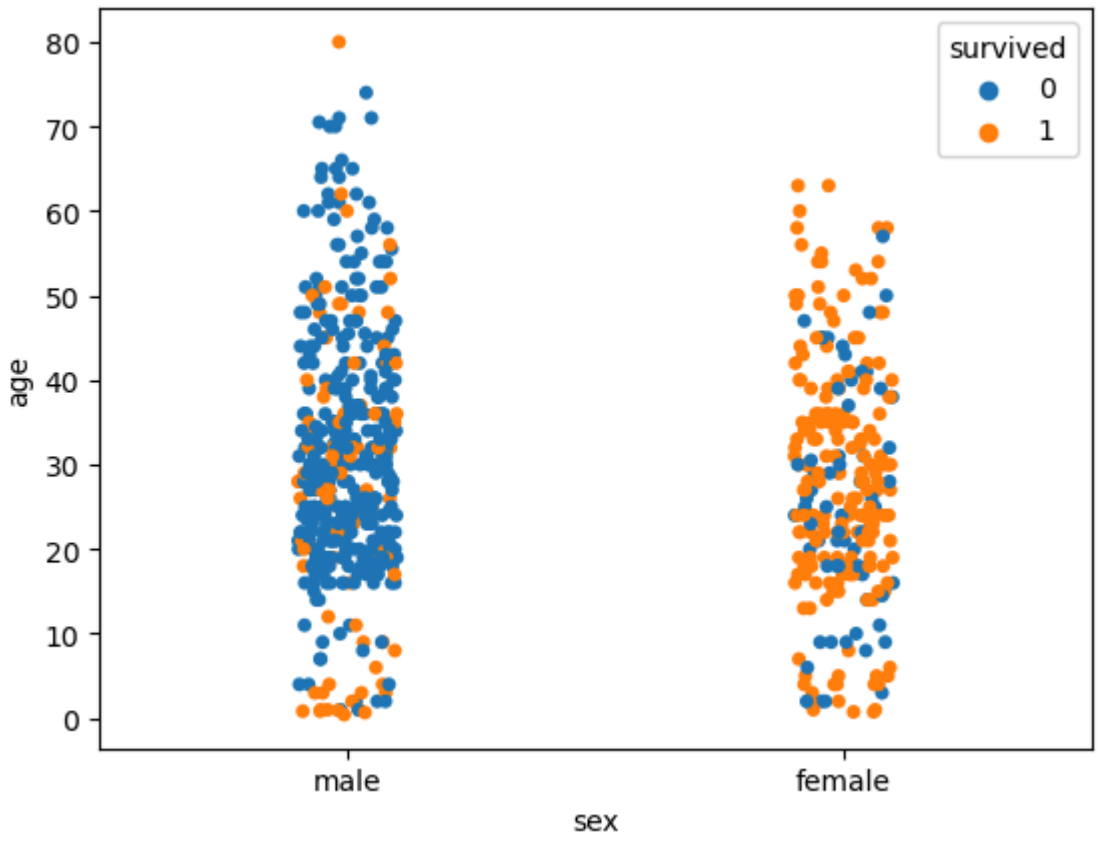
In [30]:
```
sns.stripplot(x='sex', y='age', data=dataset, jitter=True)
```

Out[30]:
```
<Axes: xlabel='sex', ylabel='age'>
```



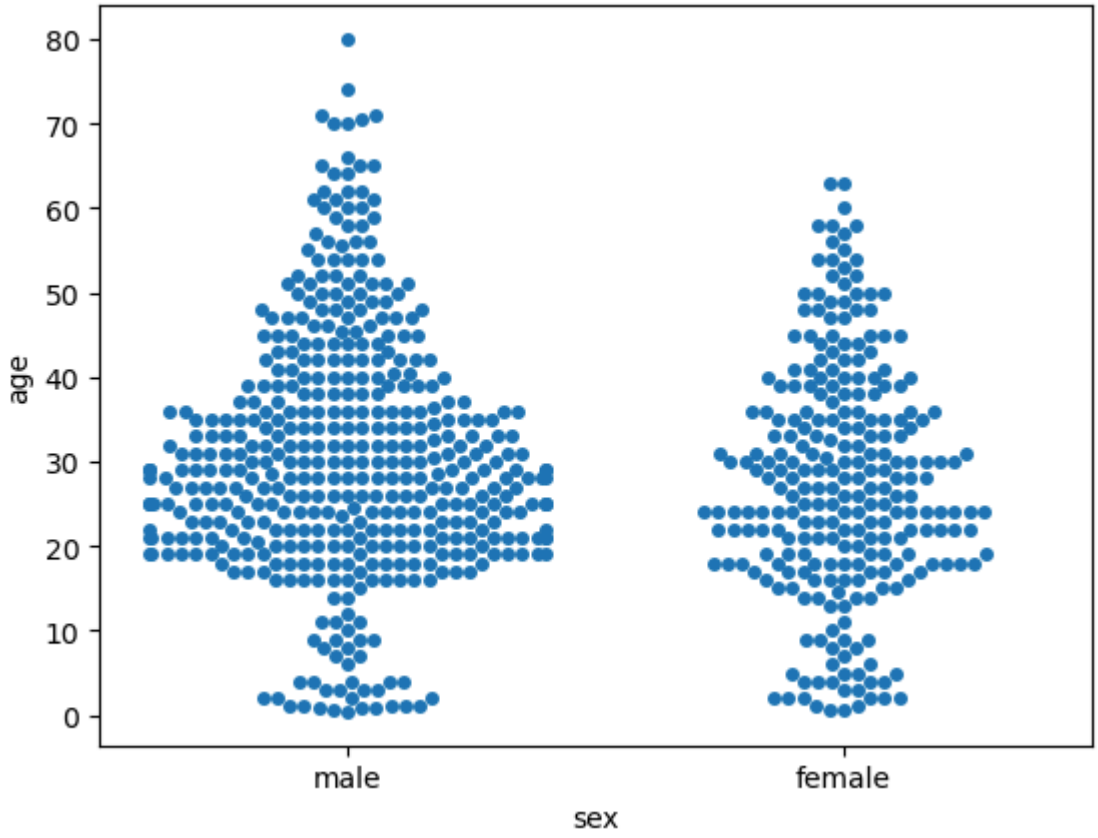
In [31]:
```
sns.stripplot(x='sex', y='age', data=dataset, jitter=True,hue='survived')
```

Out[31]:
```
<Axes: xlabel='sex', ylabel='age'>
```



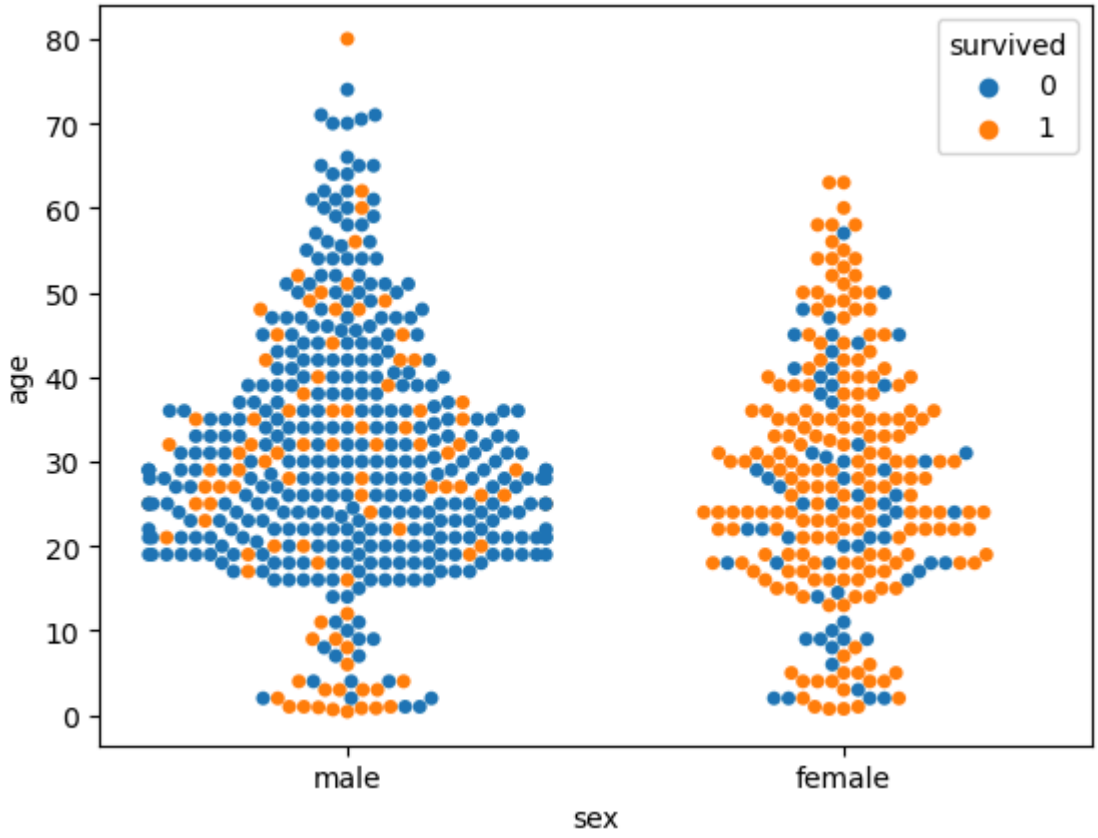
In [34]:
```
sns.swarmplot(x='sex', y='age', data=dataset)
```

Out[34]:
```
<Axes: xlabel='sex', ylabel='age'>
```



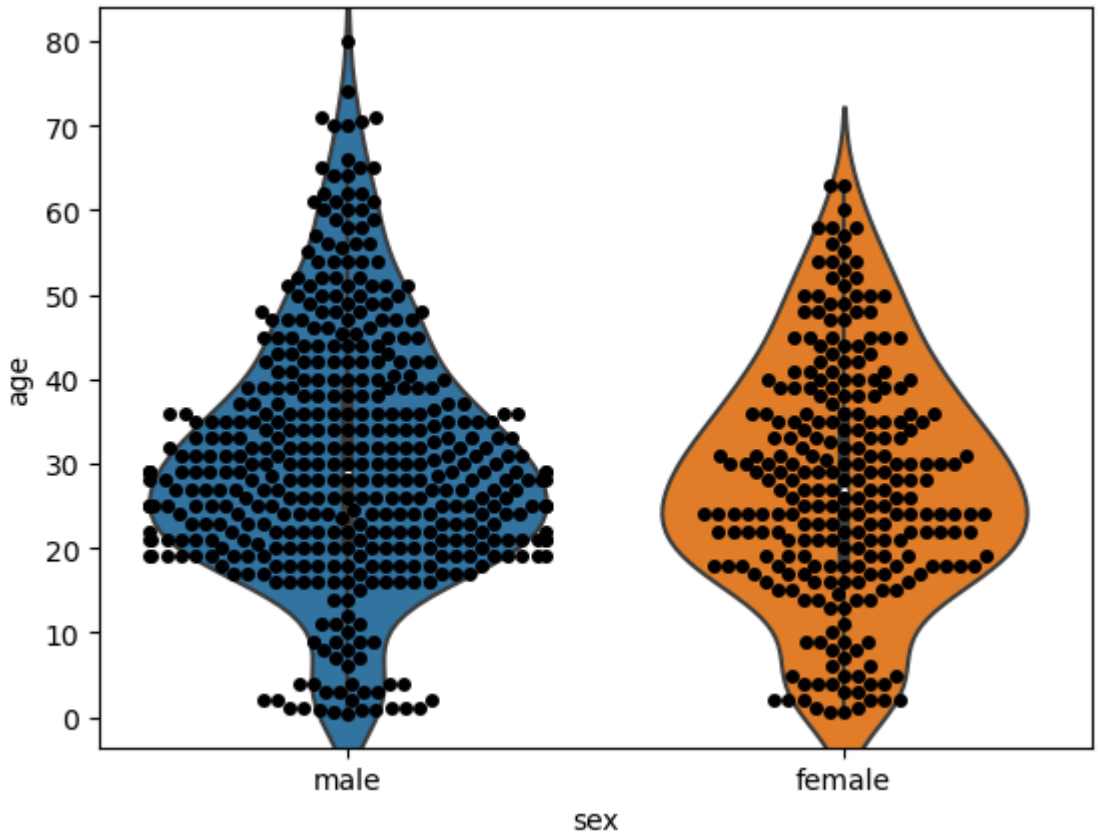
In [35]:
```
sns.swarmplot(x='sex', y='age', data=dataset, hue='survived')
```

Out[35]:
```
<Axes: xlabel='sex', ylabel='age'>
```



In [36]:
```
sns.violinplot(x='sex', y='age', data=dataset)
sns.swarmplot(x='sex', y='age', data=dataset, color='black')
```

Out[36]:
```
<Axes: xlabel='sex', ylabel='age'>
```



In [ ]: