In [20]:
```
import pandas as pd
import numpy as np
%matplotlib inline
import matplotlib.pyplot as plt
import seaborn as sns
```

In [27]:
```
dataset=sns.load_dataset("titanic")
```

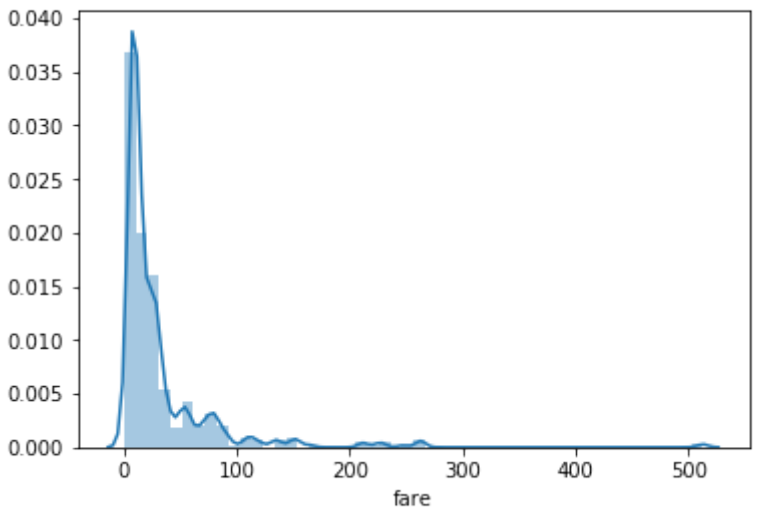
In [28]:
```
dataset.head()
```

Out[28]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck	embark_town	alive	alone
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN	Southampton	no	False
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C	Cherbourg	yes	False
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	NaN	Southampton	yes	True
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C	Southampton	yes	False
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN	Southampton	no	True

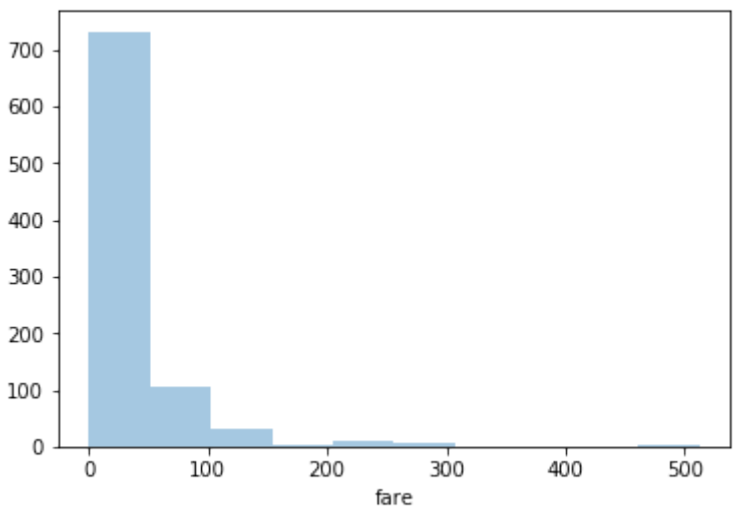
In [30]:
```
plt.show()
sns.distplot(dataset['fare'])
```

Out[30]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2e9d2c4d0>



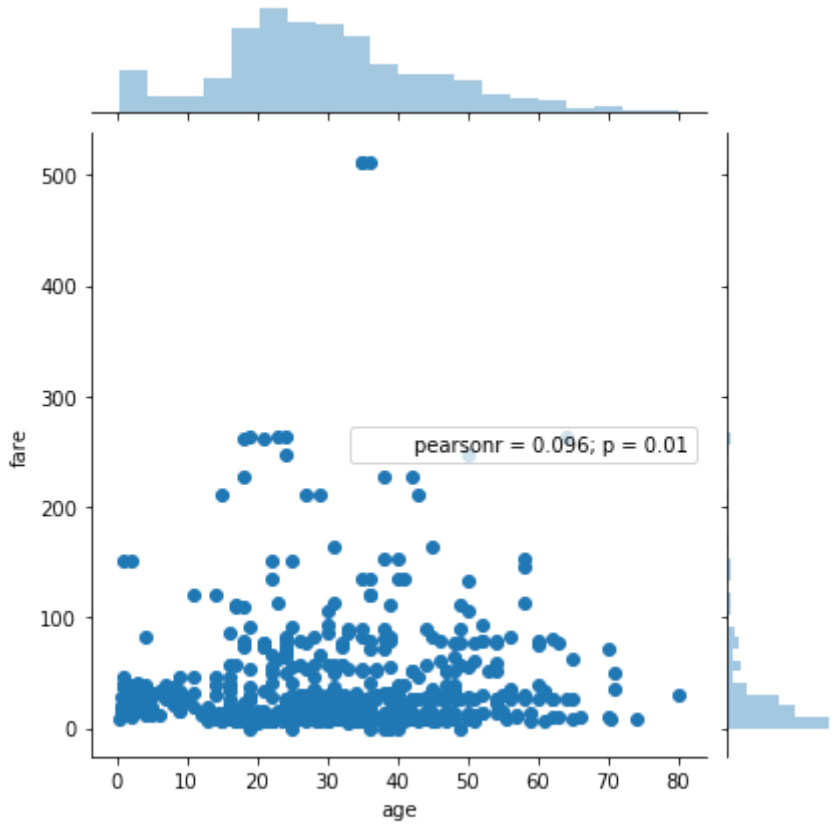
In [31]:
```
sns.distplot(dataset['fare'], kde=False, bins=10)
```

Out[31]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2e94a96d0>



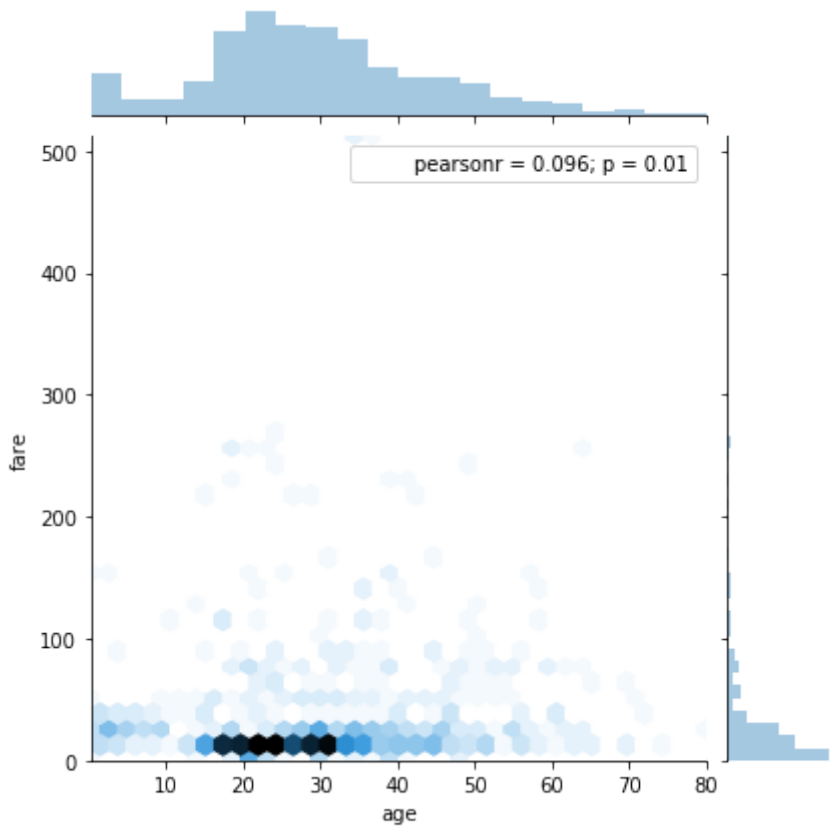
In [32]:
```
sns.jointplot(x='age', y='fare', data=dataset)
```

Out[32]: <seaborn.axisgrid.JointGrid at 0x7fa2e15648d0>



In [33]:
```
sns.jointplot(x='age', y='fare', data=dataset, kind='hex')
```

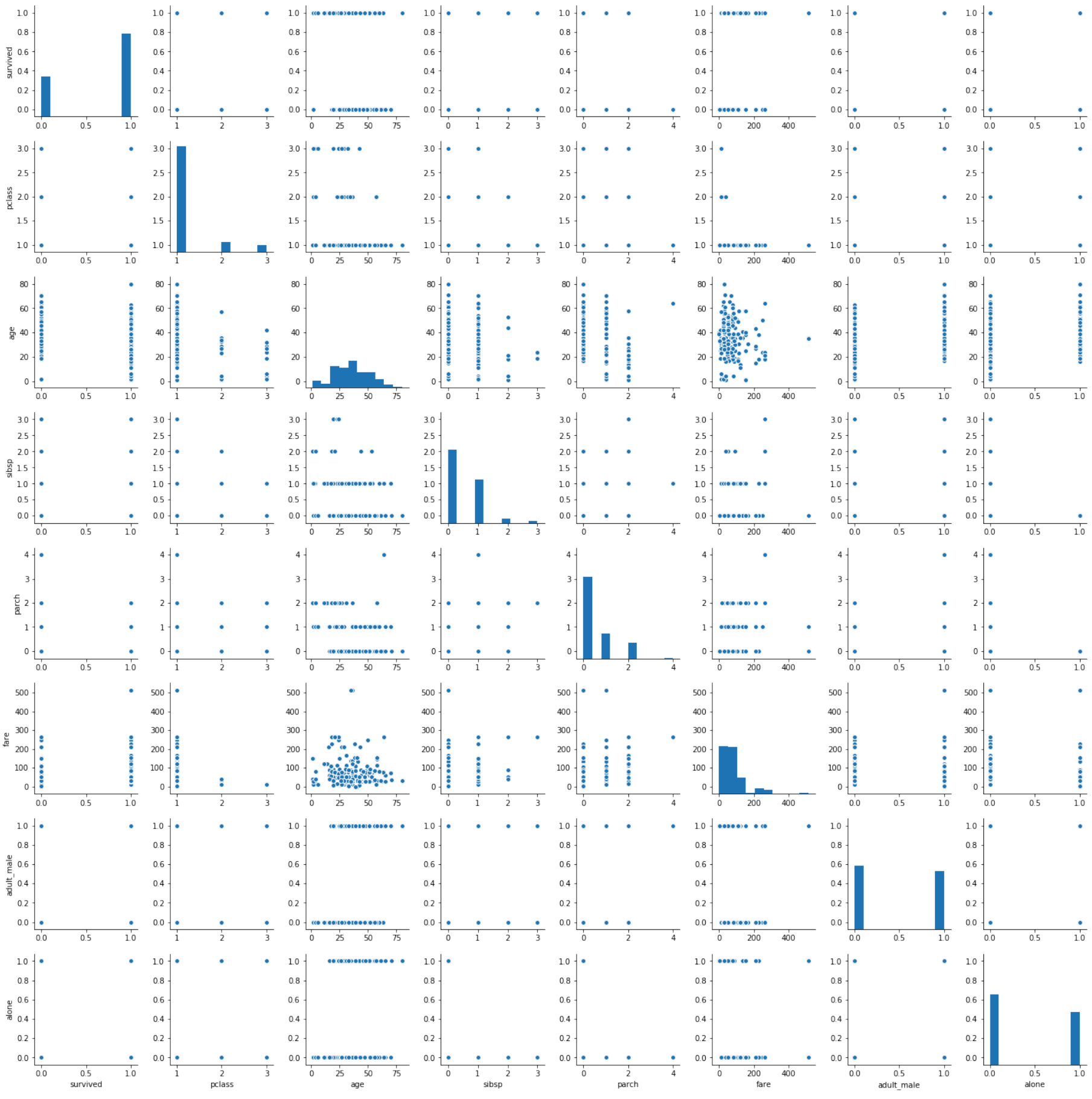
Out[33]: <seaborn.axisgrid.JointGrid at 0x7fa2e1370990>



In [35]:
```
dataset=dataset.dropna()
```

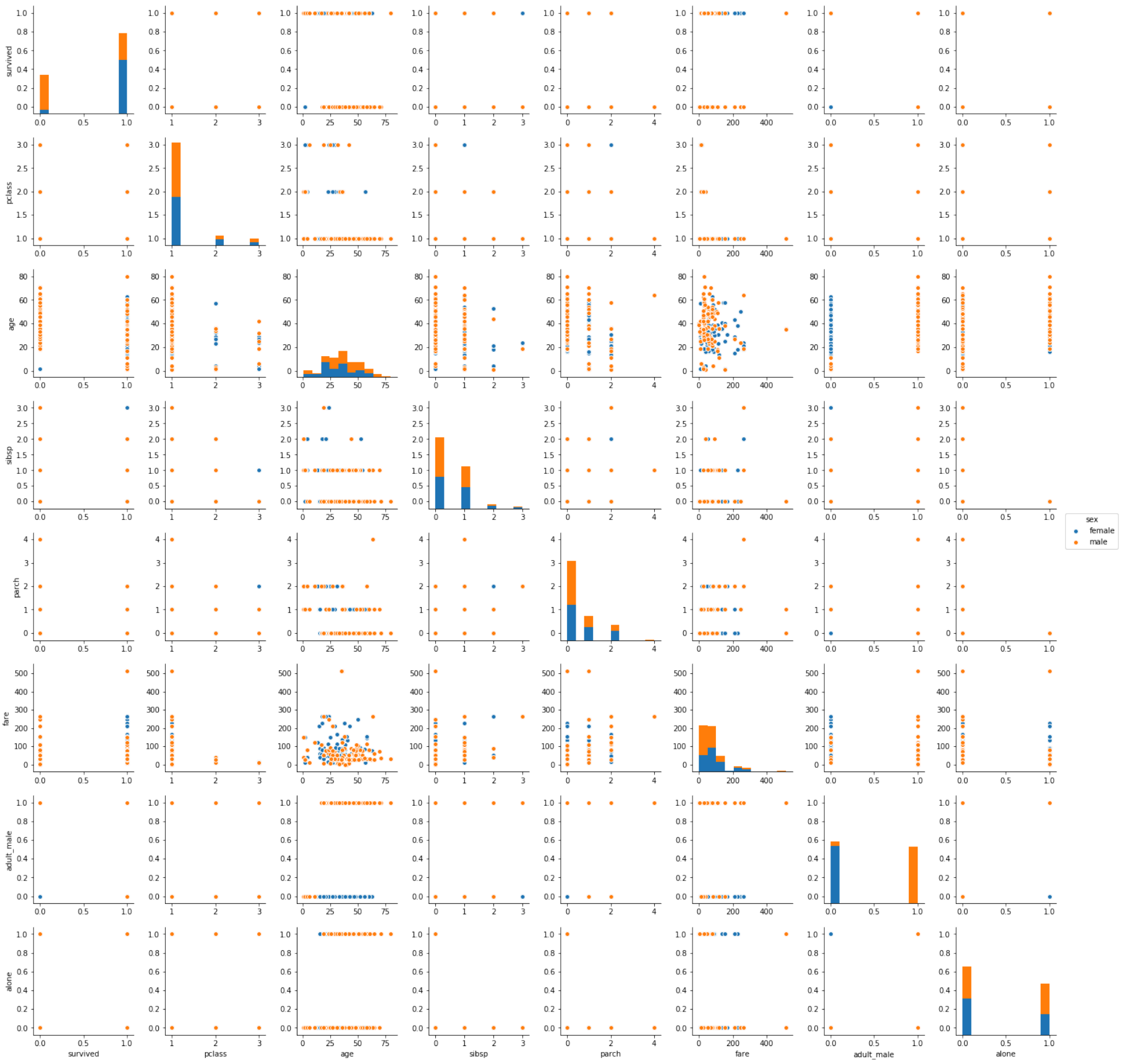
In [36]:
```
sns.pairplot(dataset)
```

Out[36]: <seaborn.axisgrid.PairGrid at 0x7fa2df5d9c90>



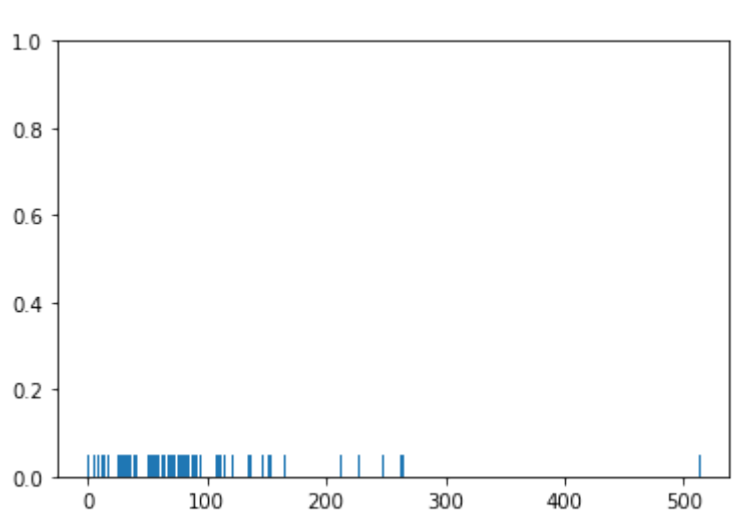
In [37]:
```
sns.pairplot(dataset, hue='sex')
```

Out[37]: <seaborn.axisgrid.PairGrid at 0x7fa2dc27cdd0>



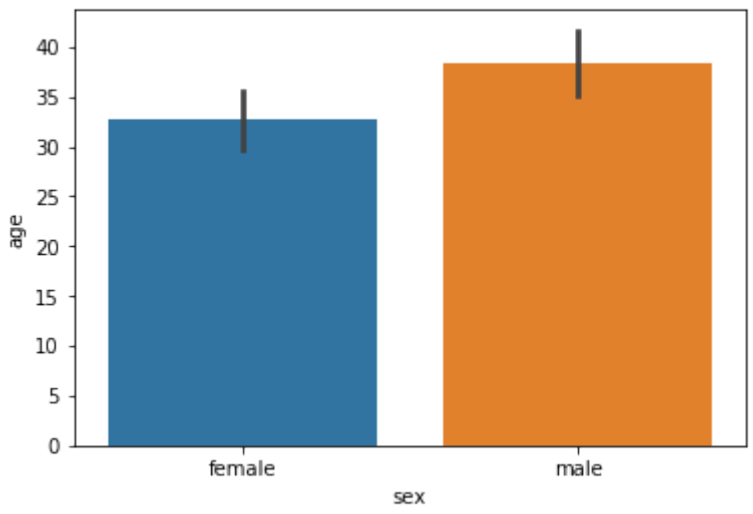
In [38]:
```
sns.rugplot(dataset['fare'])
```

Out[38]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d640d110>



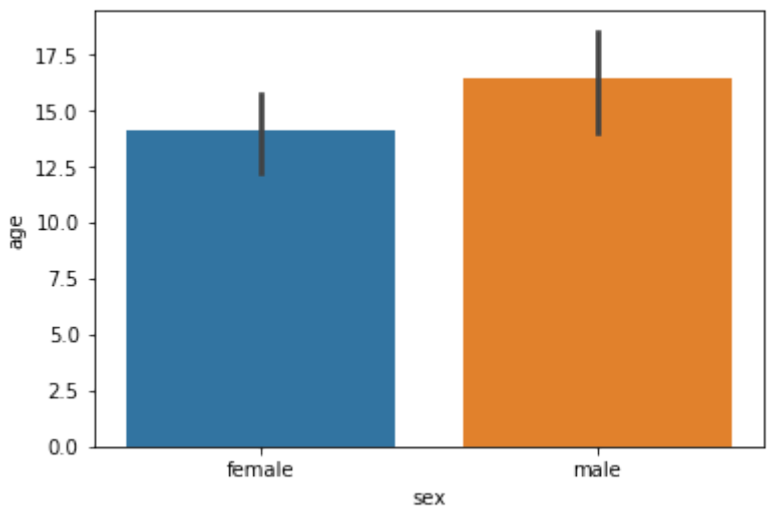
In [39]:
```
sns.barplot(x='sex', y='age', data=dataset)
```

Out[39]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2dc0569d0>



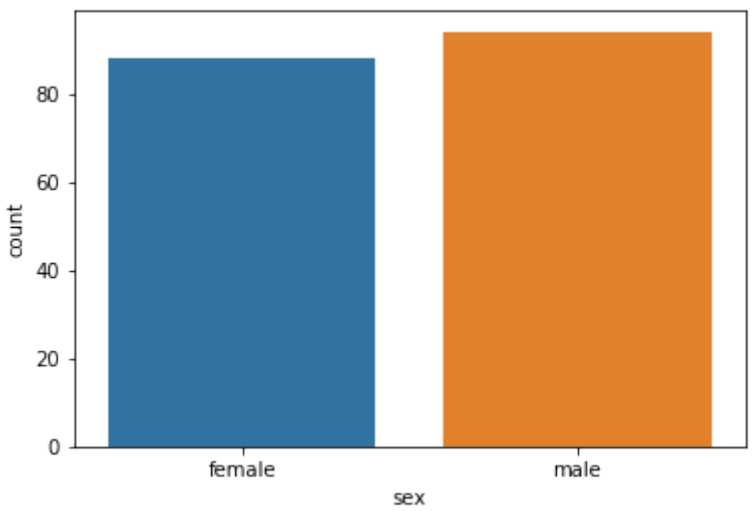
In [40]:
```
sns.barplot(x='sex', y='age', data=dataset, estimator=np.std)
```

Out[40]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d4f75990>



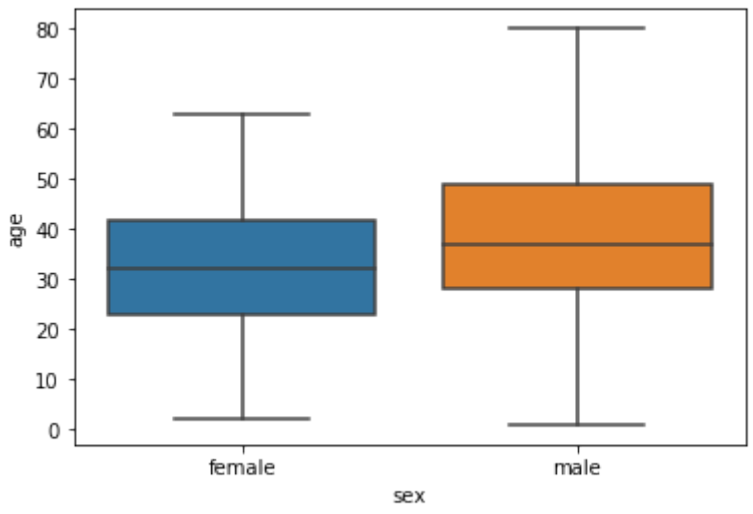
In [41]:
```
sns.countplot(x='sex', data=dataset)
```

Out[41]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d4e7cf50>



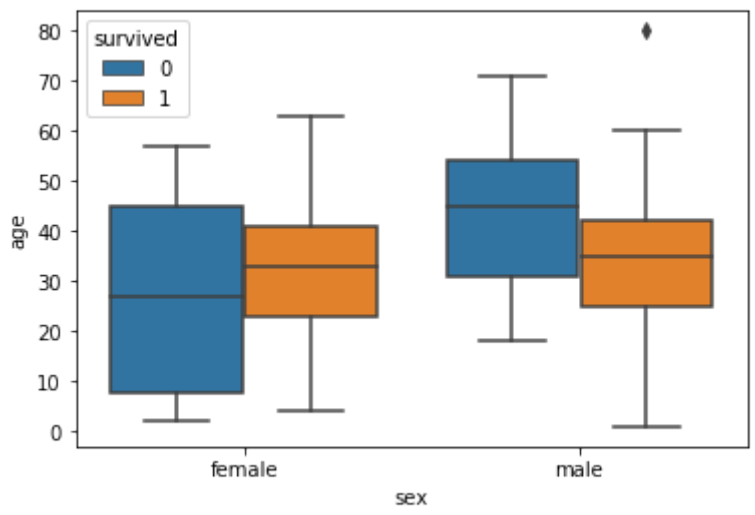
In [42]:
```
sns.boxplot(x='sex', y='age', data=dataset)
```

Out[42]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d4e6ffd0>



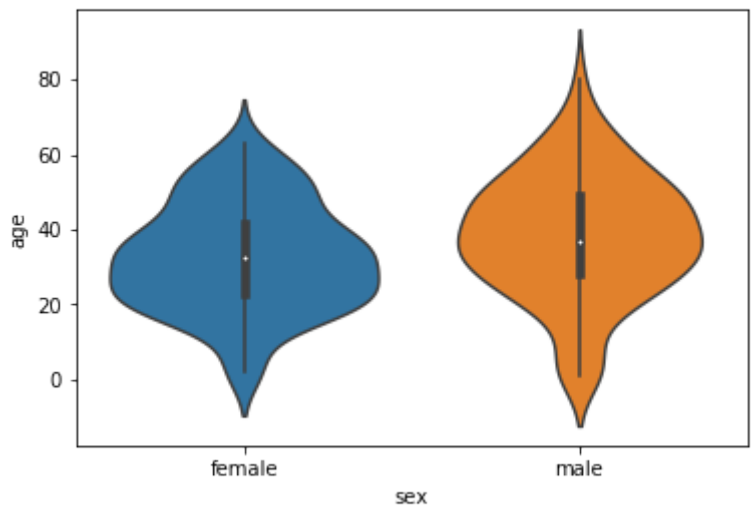
In [43]:
```
sns.boxplot(x='sex', y='age', data=dataset, hue="survived")
```

Out[43]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d4dd7c90>



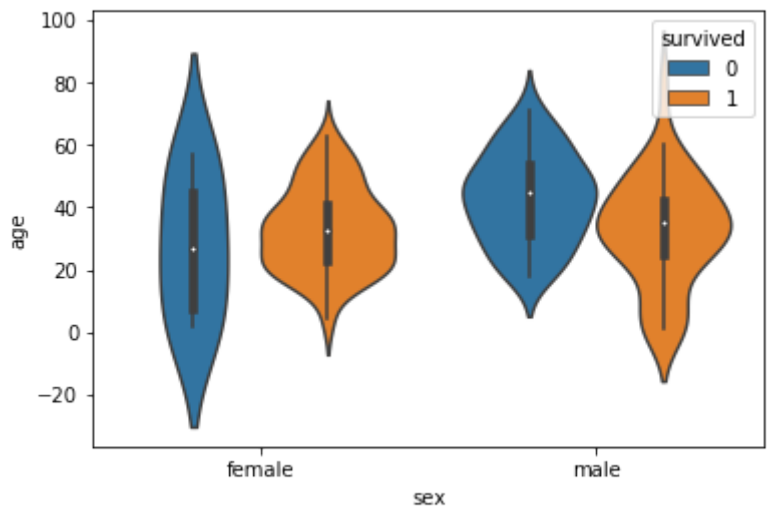
In [44]:
```
sns.violinplot(x='sex', y='age', data=dataset)
```

Out[44]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d4cecbd0>



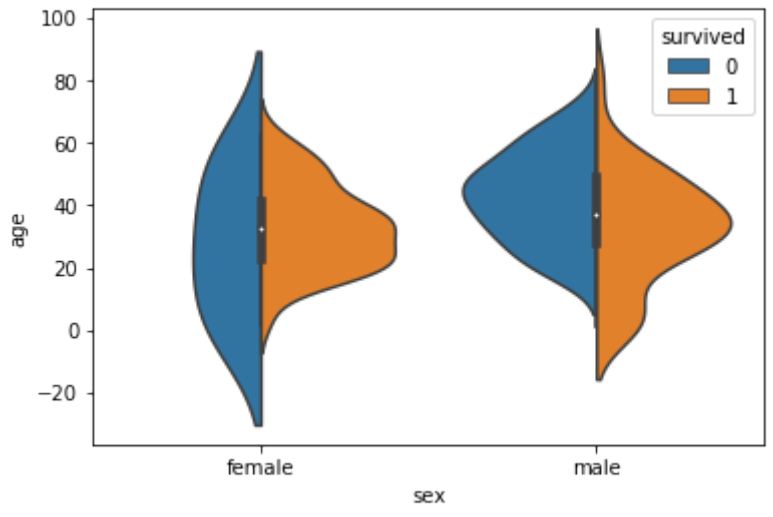
In [45]:
```
sns.violinplot(x='sex', y='age', data=dataset, hue='survived')
```

Out[45]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d4cfc290>



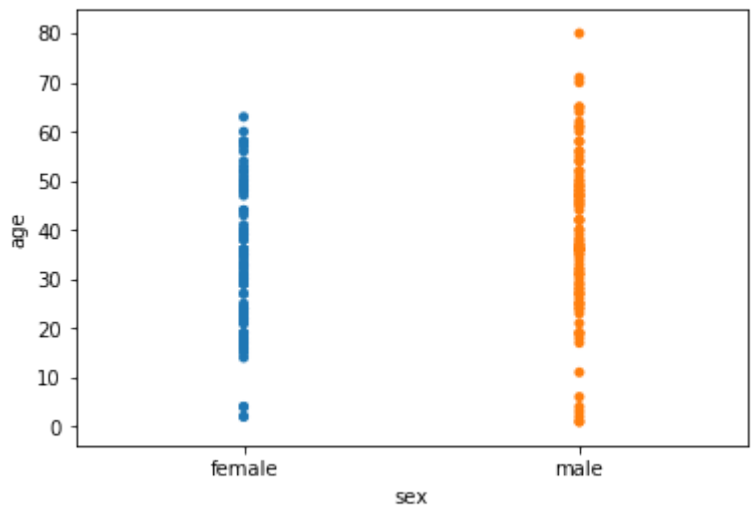
In [46]:
```
sns.violinplot(x='sex', y='age', data=dataset, hue='survived', split=True)
```

Out[46]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d4bb5f50>



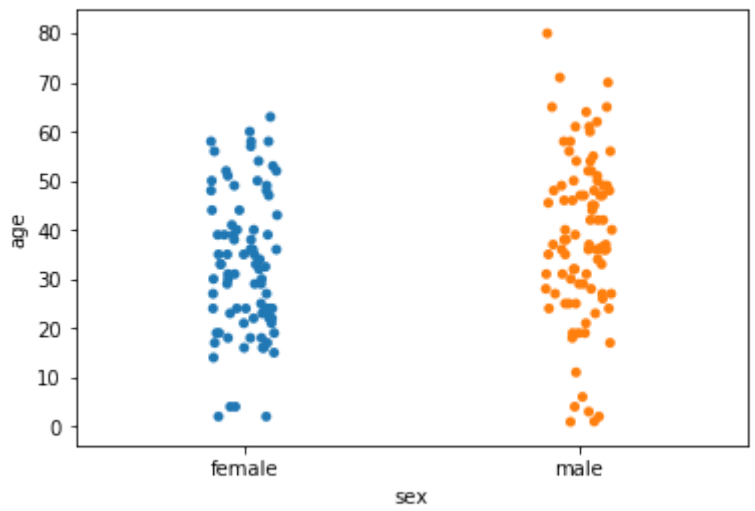
In [47]:
```
sns.stripplot(x='sex', y='age', data=dataset)
```

Out[47]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d4c0c390>



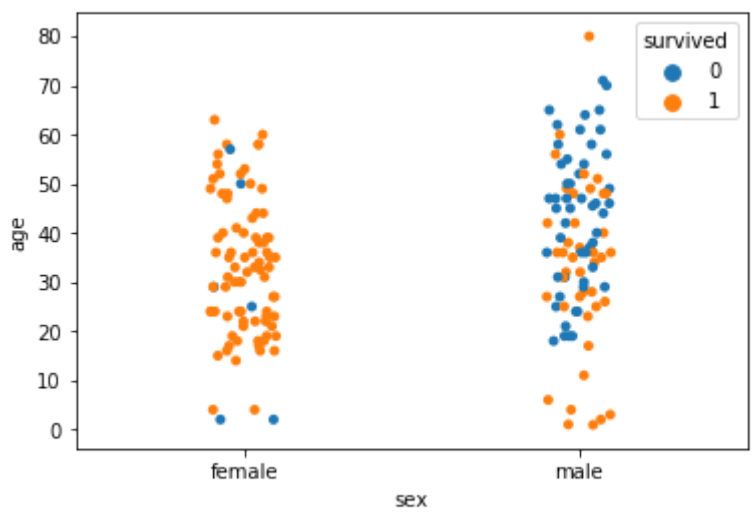
In [48]:
```
sns.stripplot(x='sex', y='age', data=dataset, jitter=True)
```

Out[48]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d4b518d0>



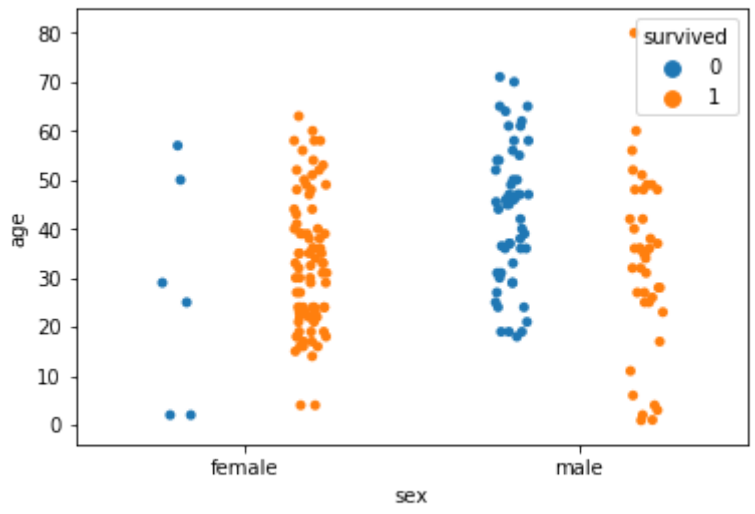
In [49]:
```
sns.stripplot(x='sex', y='age', data=dataset, jitter=True, hue='survived')
```

Out[49]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d4a604d0>



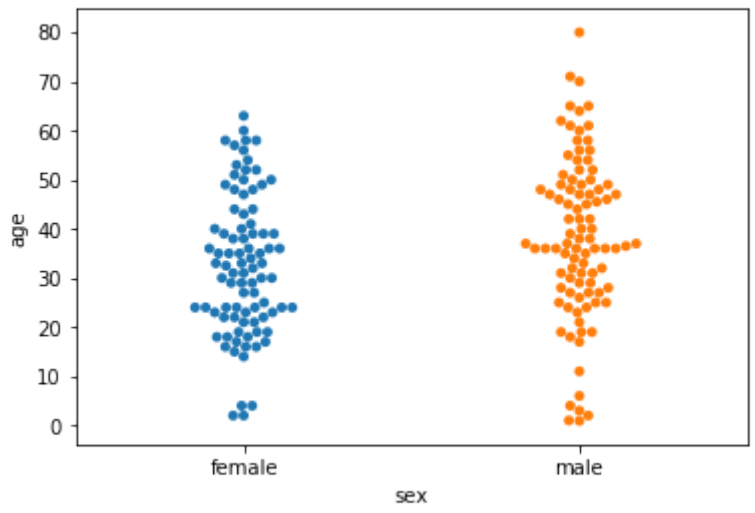
In [51]:
```
sns.stripplot(x='sex',y='age',data=dataset,jitter=True,hue='survived',split=True)
```

Out[51]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d4a21710>



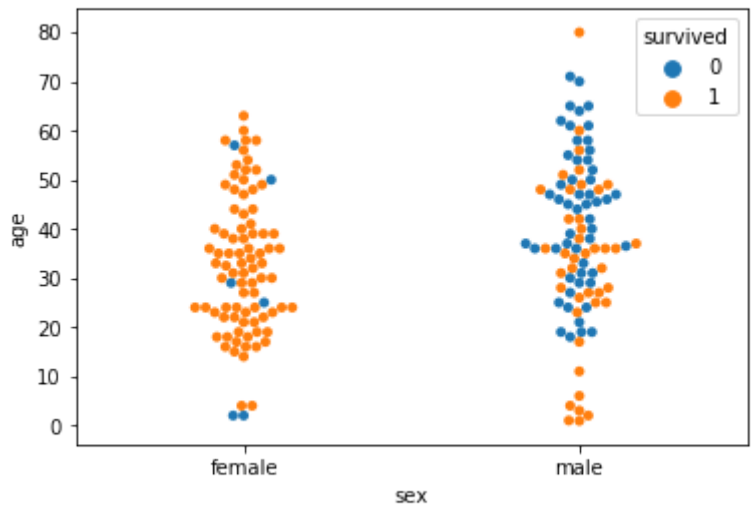
In [52]:
```
sns.swarmplot(x='sex', y='age', data=dataset)
```

Out[52]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d49c45d0>



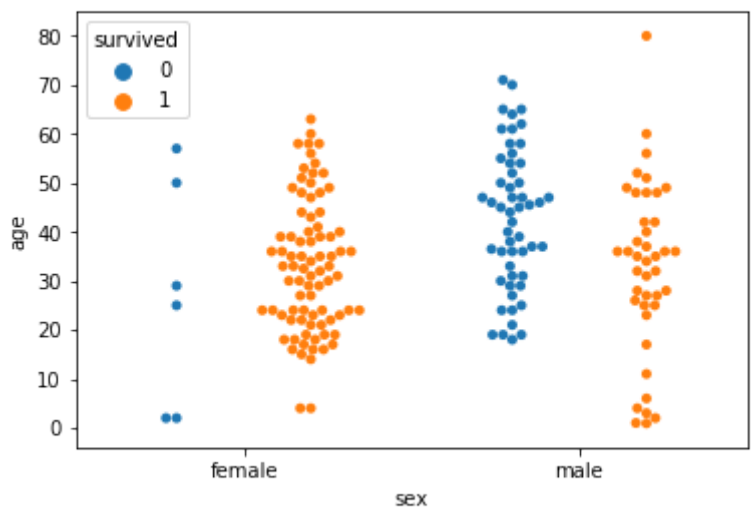
In [53]:
```
sns.swarmplot(x='sex', y='age', data=dataset, hue='survived')
```

Out[53]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d4884a90>



In [55]:
```
sns.swarmplot(x='sex',y='age',data=dataset,hue='survived',split=True)
```

Out[55]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d46d5990>



In [56]:
```
sns.violinplot(x='sex', y='age', data=dataset)
sns.swarmplot(x='sex', y='age', data=dataset, color='black')
```

Out[56]: <matplotlib.axes._subplots.AxesSubplot at 0x7fa2d465d210>