

```
In [ ]: # all plots in 1 cell
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt

titanic=sns.load_dataset('titanic')
titanic.head()

sns.boxplot(x='sex',y='age',hue='survived',data=titanic)
plt.show()

sns.histplot(x='fare',bins=30,data=titanic,kde=True)
plt.show()

sns.jointplot(x='fare',y='age',data=titanic,kind='scatter')
plt.show()

sns.jointplot(x='fare',y='age',data=titanic,kind='hex')
plt.show()

sns.rugplot(x='fare',data=titanic)
plt.show()

sns.barplot(x='sex',y='age',hue='survived',data=titanic)
plt.show()

sns.countplot(x='sex',hue='survived',data=titanic)
plt.show()

sns.violinplot(x='sex',y='age',hue='survived',data=titanic)
plt.show()

sns.stripplot(x='sex',y='age',hue='survived',data=titanic,jitter=True)
plt.show()

sns.swarmplot(x='sex',y='age',hue='survived',data=titanic)
plt.show()

corr=titanic.corr(numeric_only=True)
sns.heatmap(corr,annot=True)
plt.show()

corr=titanic.corr(numeric_only=True)
sns.clustermap(corr,annot=True)
plt.show()

sns.pairplot(vars=['age','fare','pclass'],hue='survived',data=titanic)
plt.show()
```

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

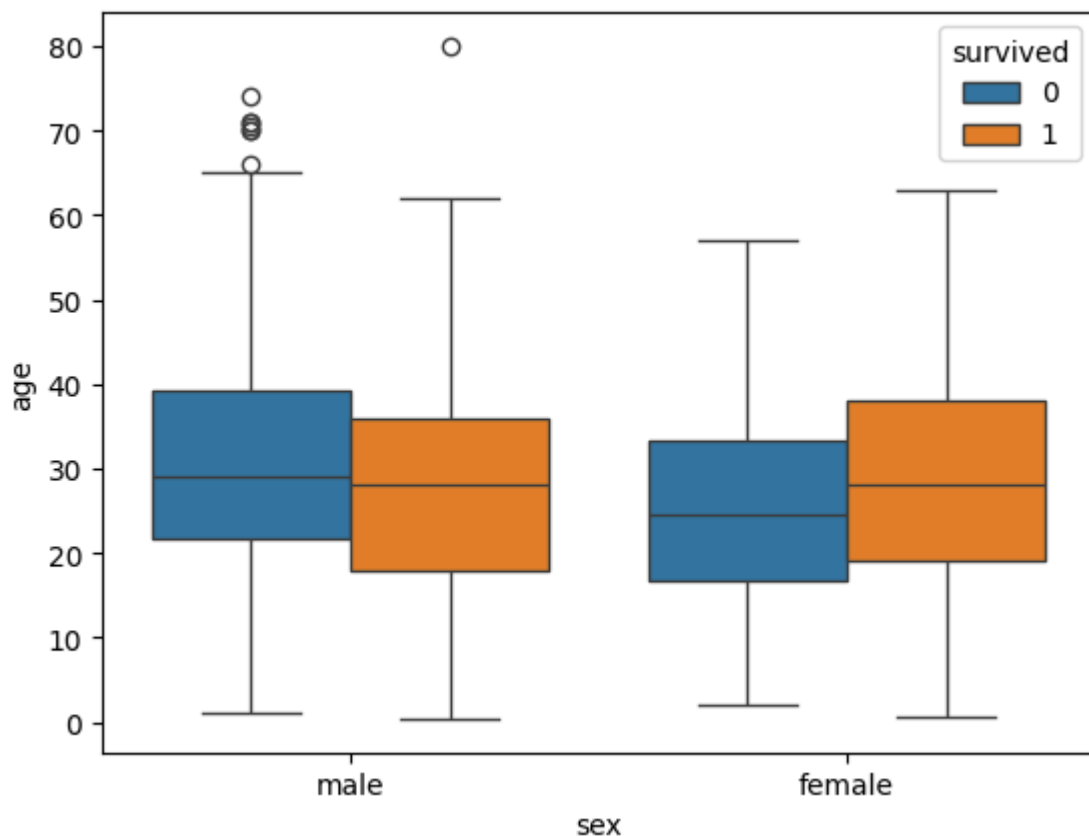
```
In [2]: titanic=sns.load_dataset('titanic')
```

```
In [3]: titanic.head()
```

Out[3]:

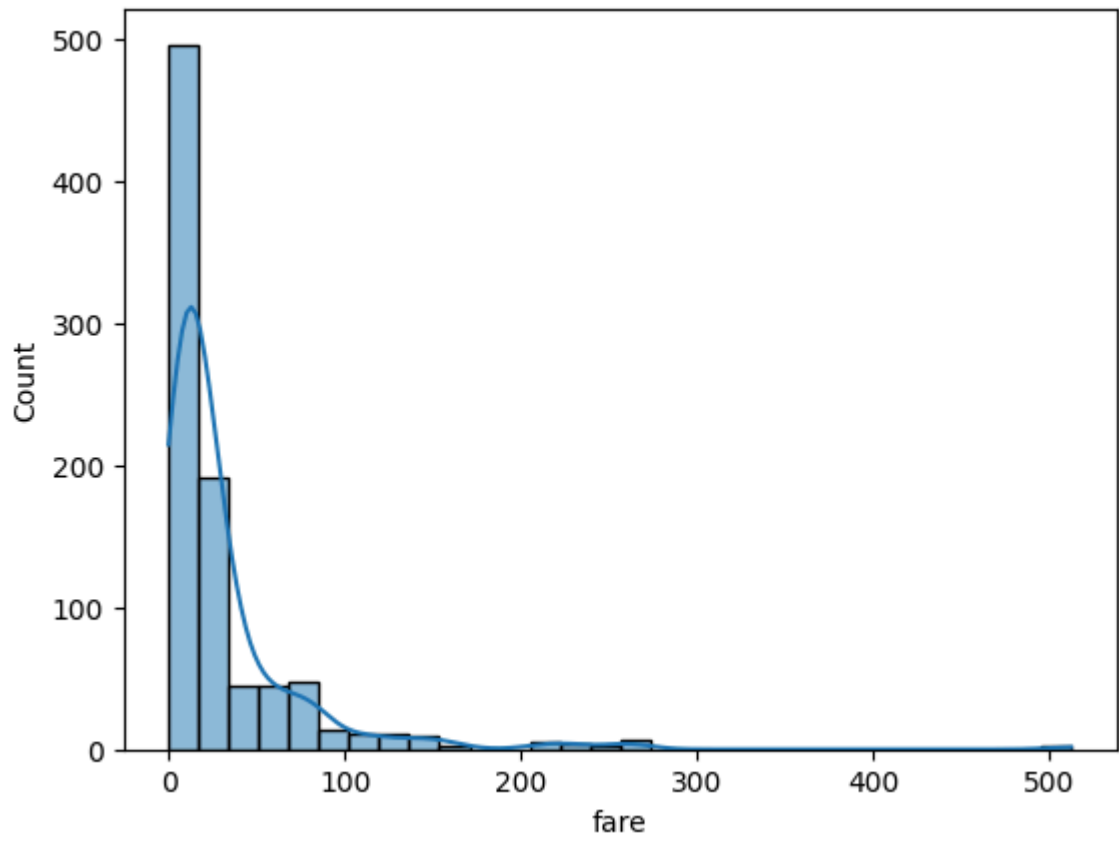
	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adul
0	0	3	male	22.0	1	0	7.2500	S	Third	man	
1	1	1	female	38.0	1	0	71.2833	C	First	woman	
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	
3	1	1	female	35.0	1	0	53.1000	S	First	woman	
4	0	3	male	35.0	0	0	8.0500	S	Third	man	

In [4]: `sns.boxplot(x='sex',y='age',hue='survived',data=titanic)`  
`plt.show()`

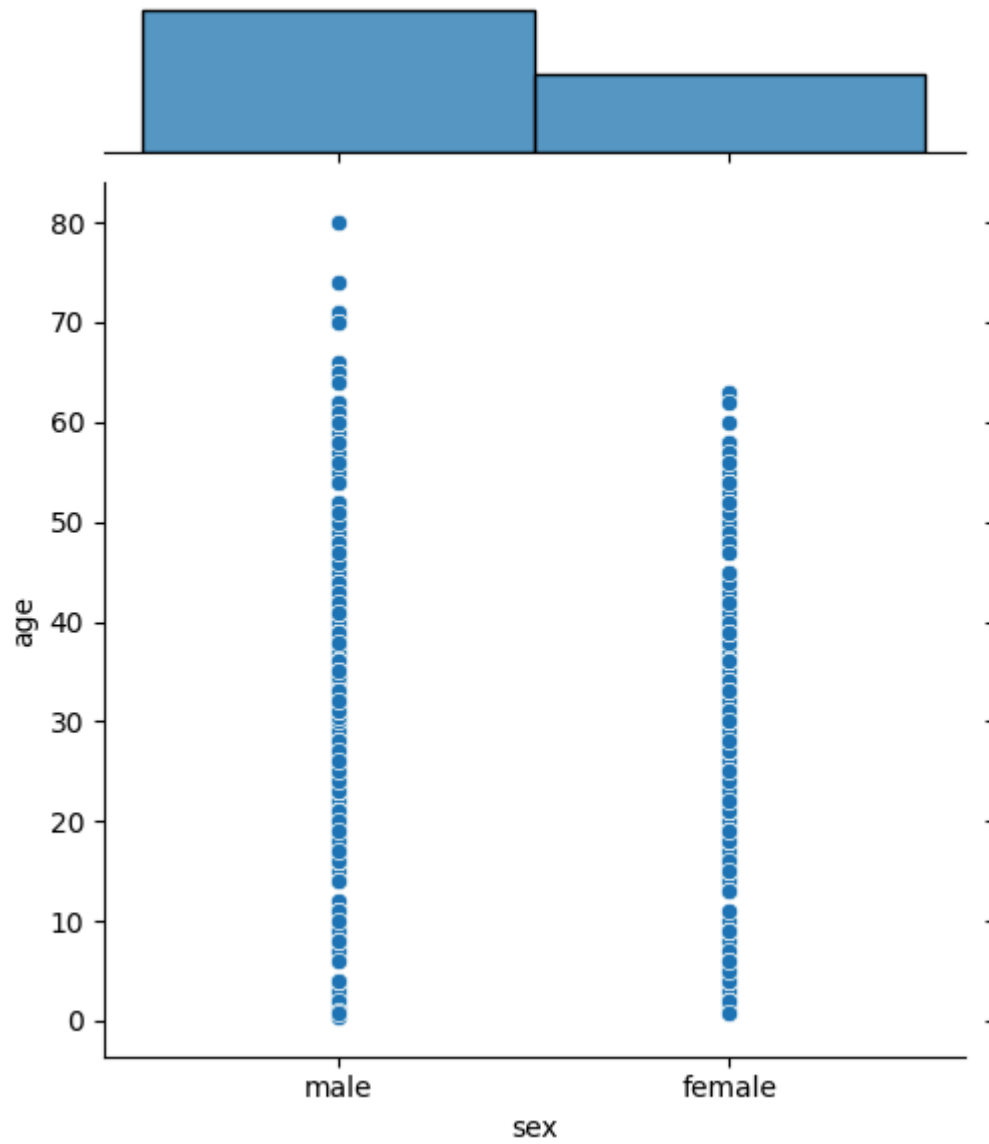


In qn only asked about boxplot of manual if required and asked by external other all plots are as follows:

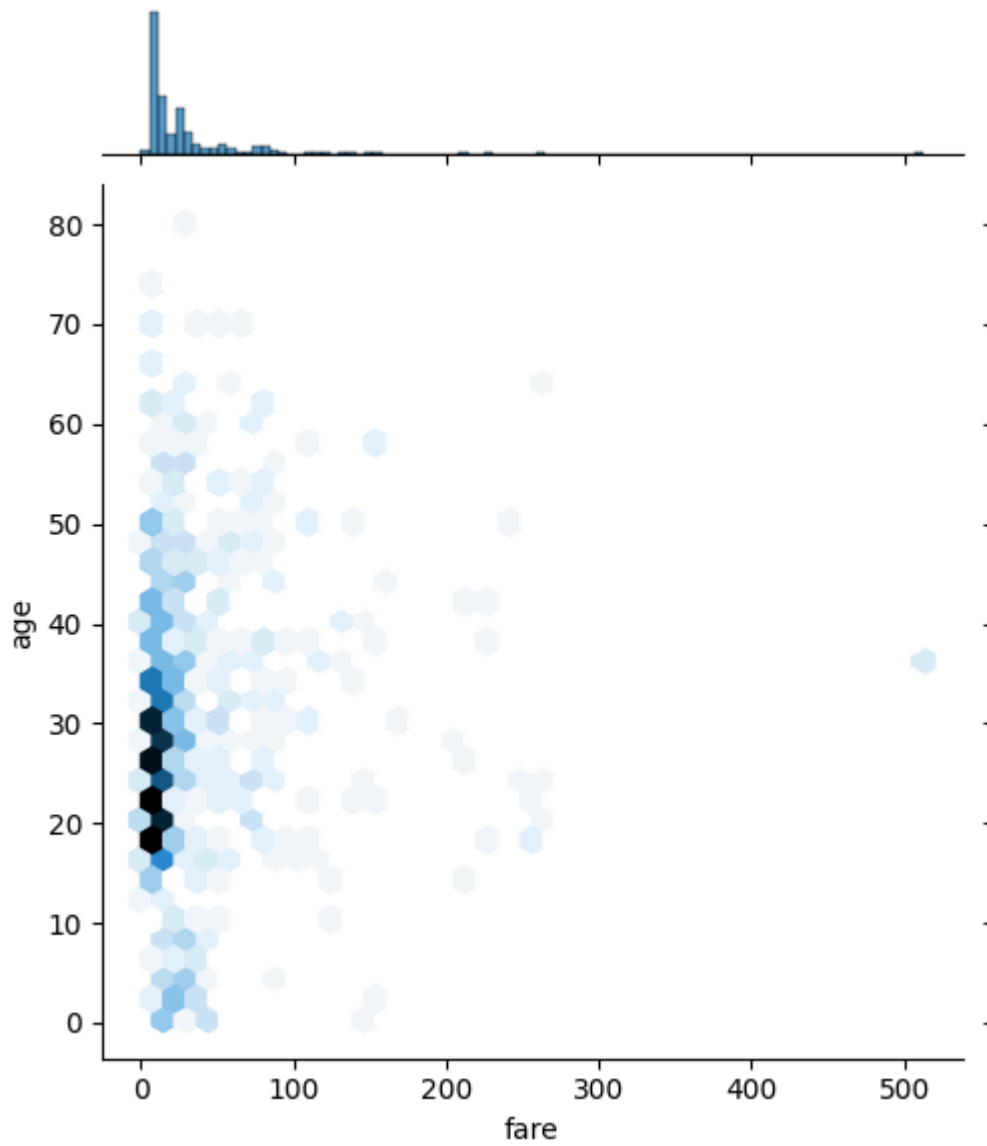
In [9]: `sns.histplot(x='fare',bins=30,data=titanic,kde=True)`  
`plt.show()`



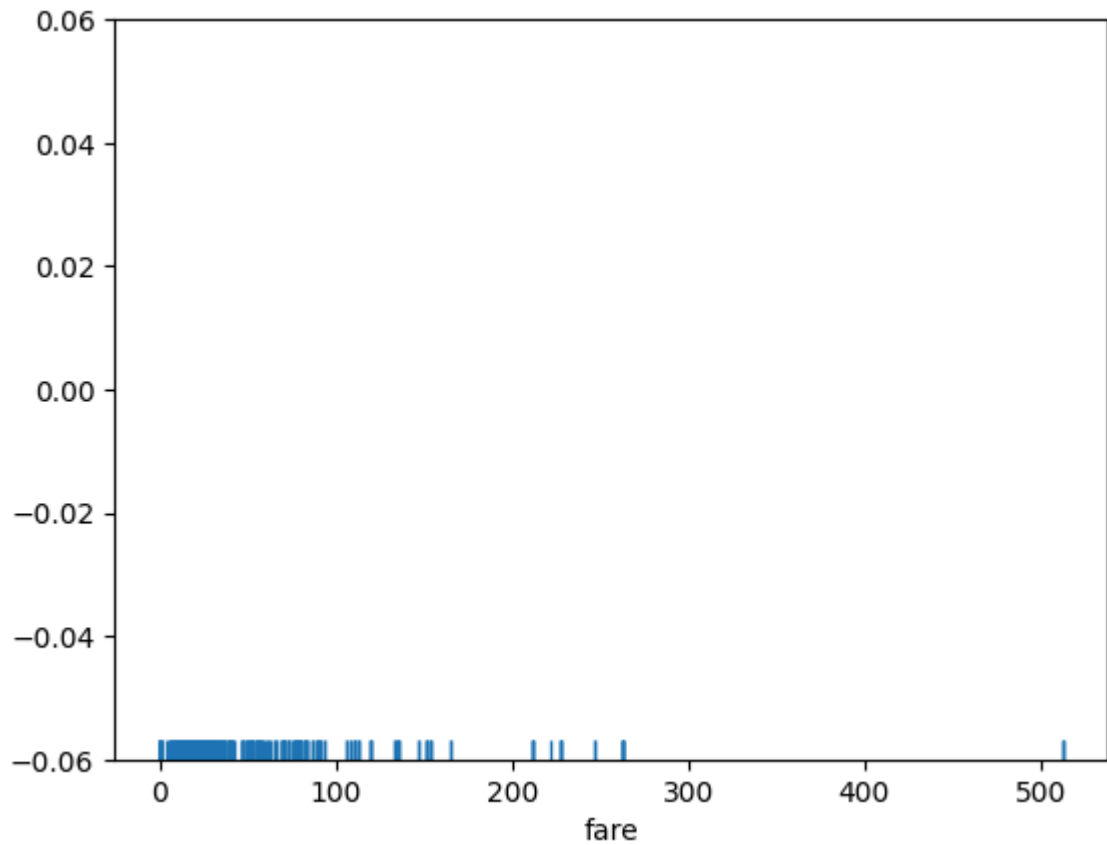
```
In [15]: sns.jointplot(x='sex',y='age',data=titanic,kind='scatter')  
plt.show()
```



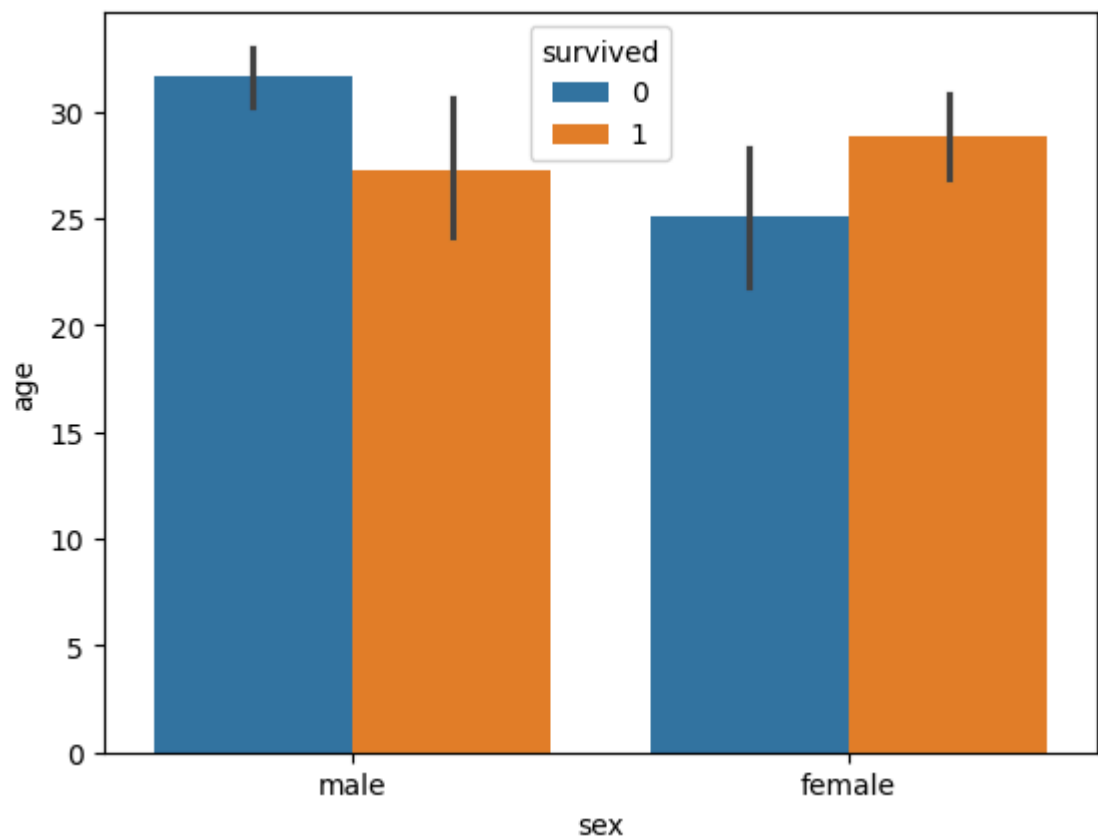
```
In [16]: sns.jointplot(x='fare',y='age',data=titanic,kind='hex')  
plt.show()
```



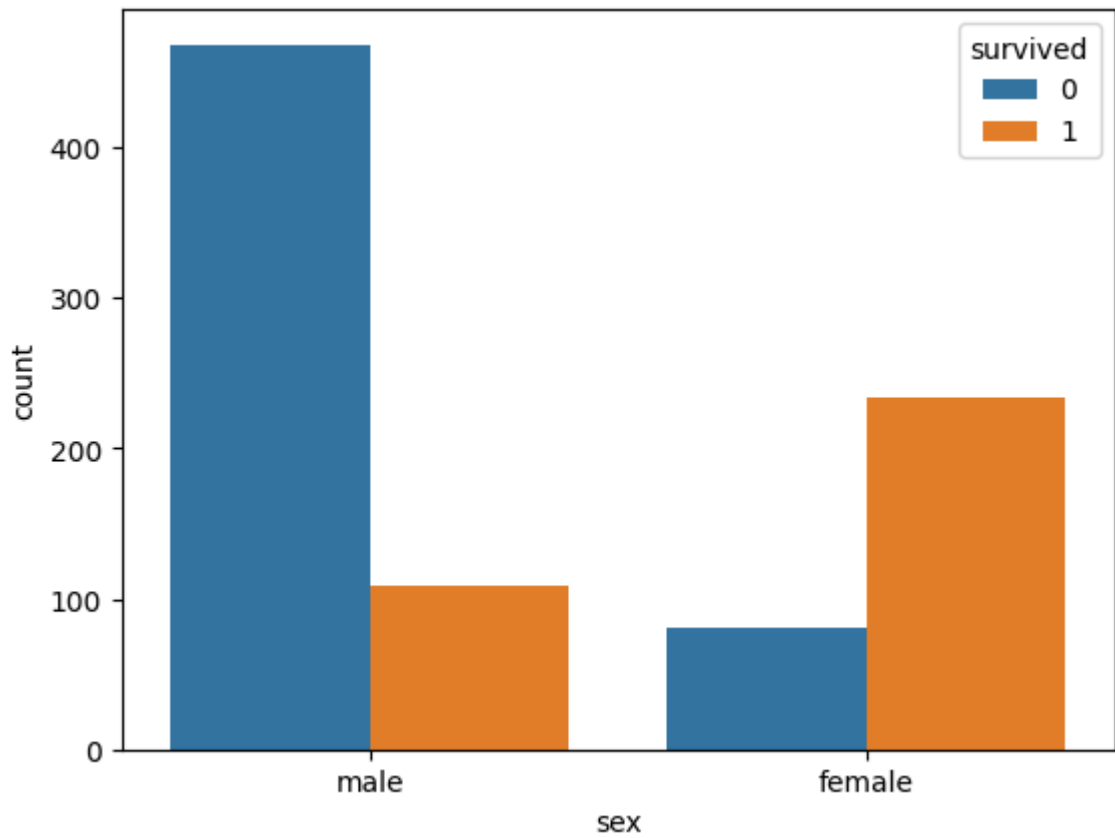
```
In [19]: sns.rugplot(x='fare',data=titanic)
plt.show()
```



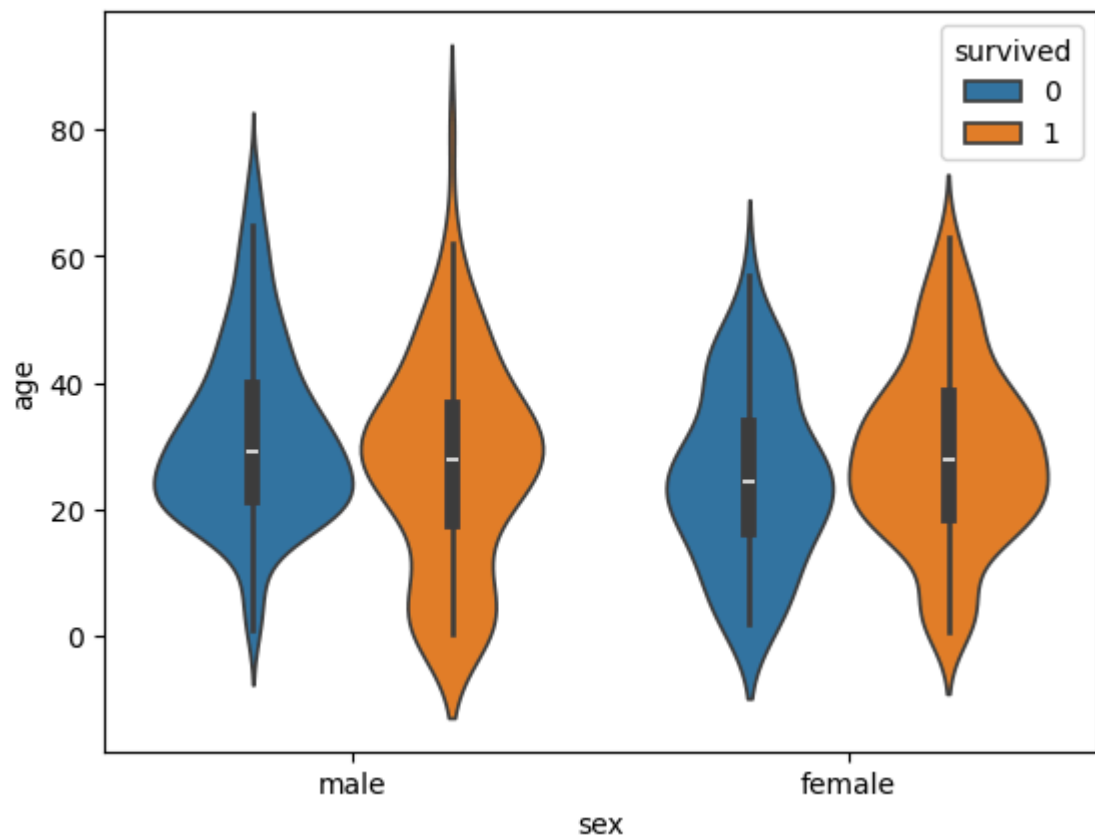
```
In [20]: sns.barplot(x='sex',y='age',hue='survived',data=titanic)
plt.show()
```



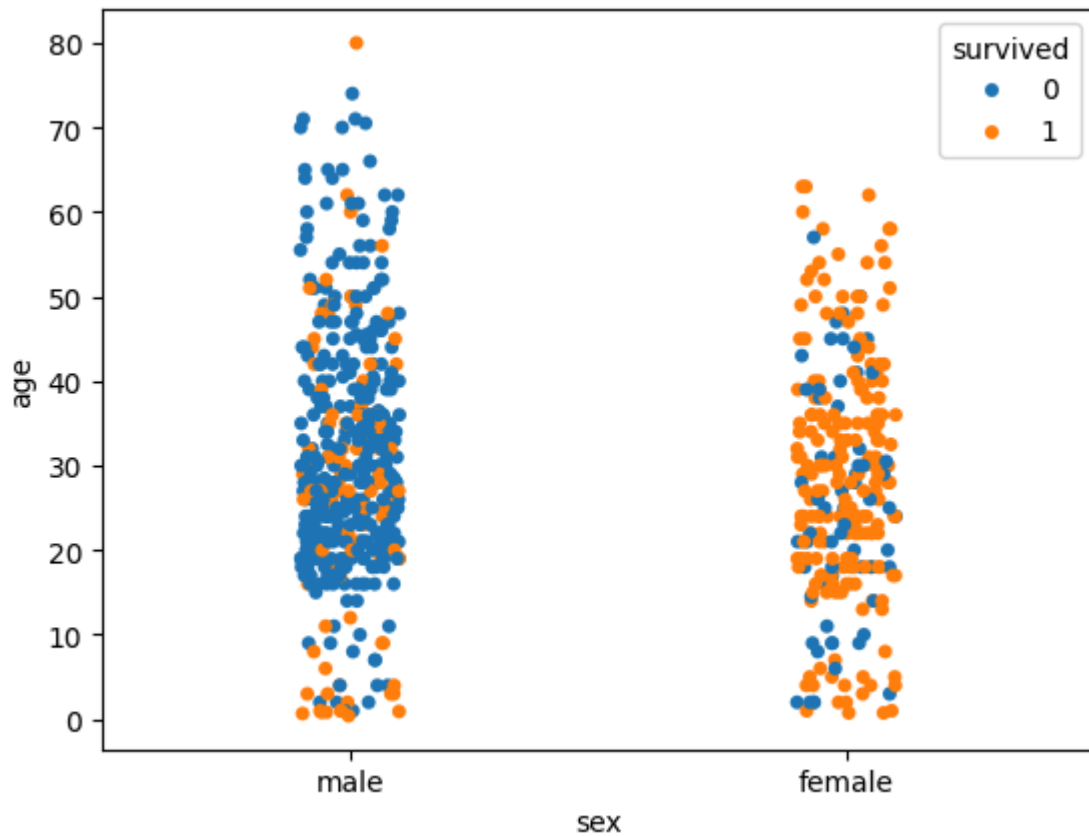
```
In [22]: sns.countplot(x='sex',hue='survived',data=titanic)
plt.show()
```



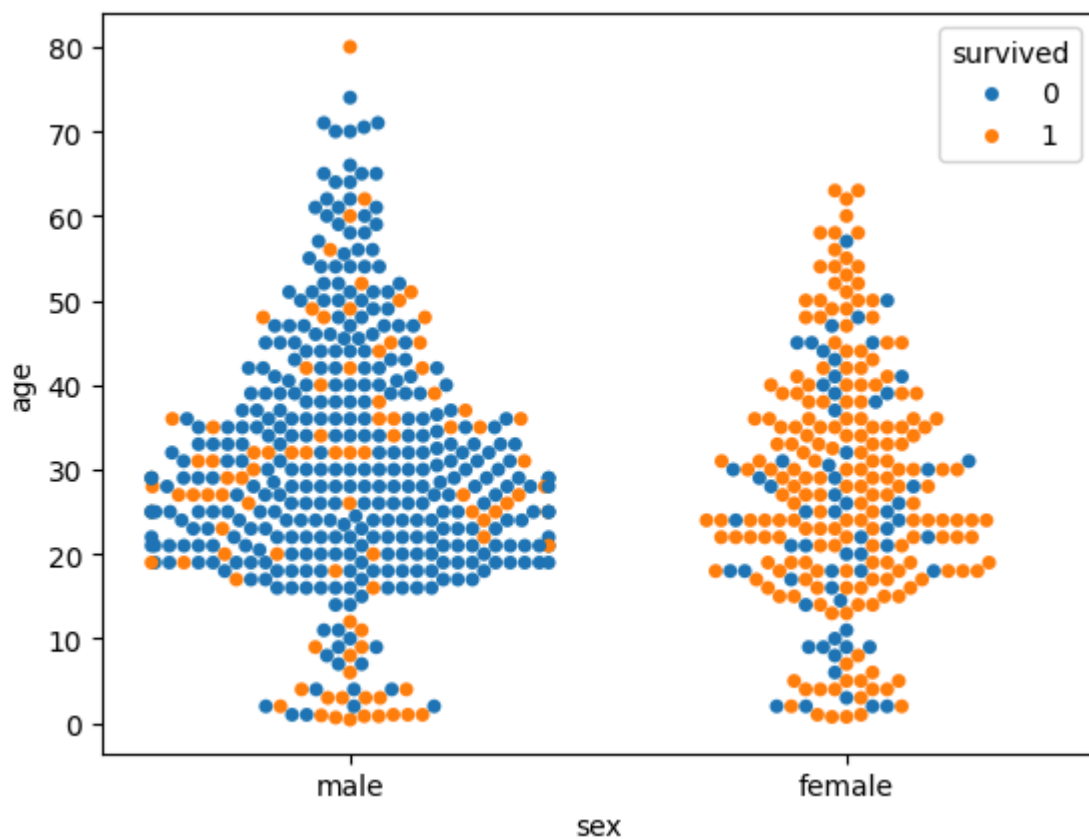
```
In [23]: sns.violinplot(x='sex',y='age',hue='survived',data=titanic)
plt.show()
```



```
In [26]: sns.stripplot(x='sex',y='age',hue='survived',data=titanic,jitter=True)
plt.show()
```

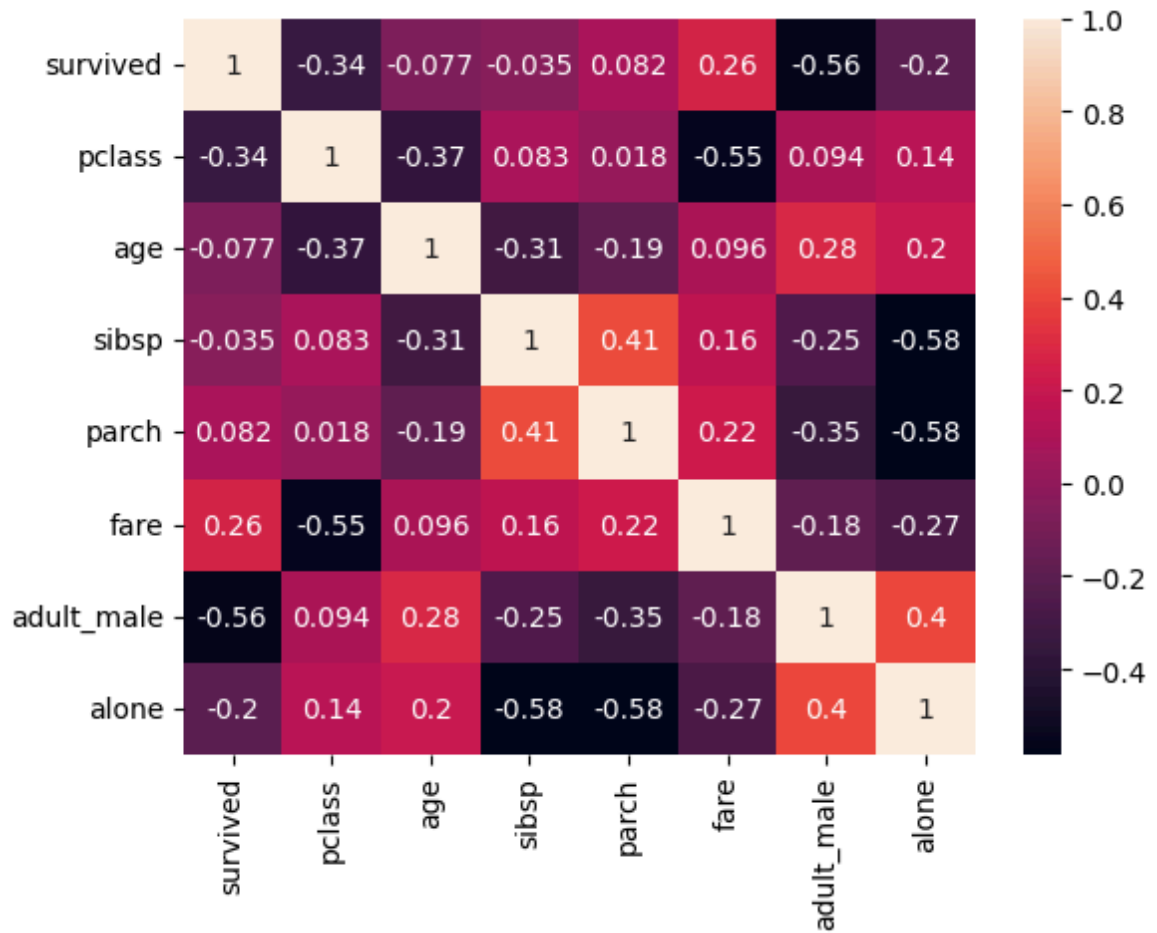


```
In [29]: sns.swarmplot(x='sex',y='age',hue='survived',data=titanic)
plt.show()
```

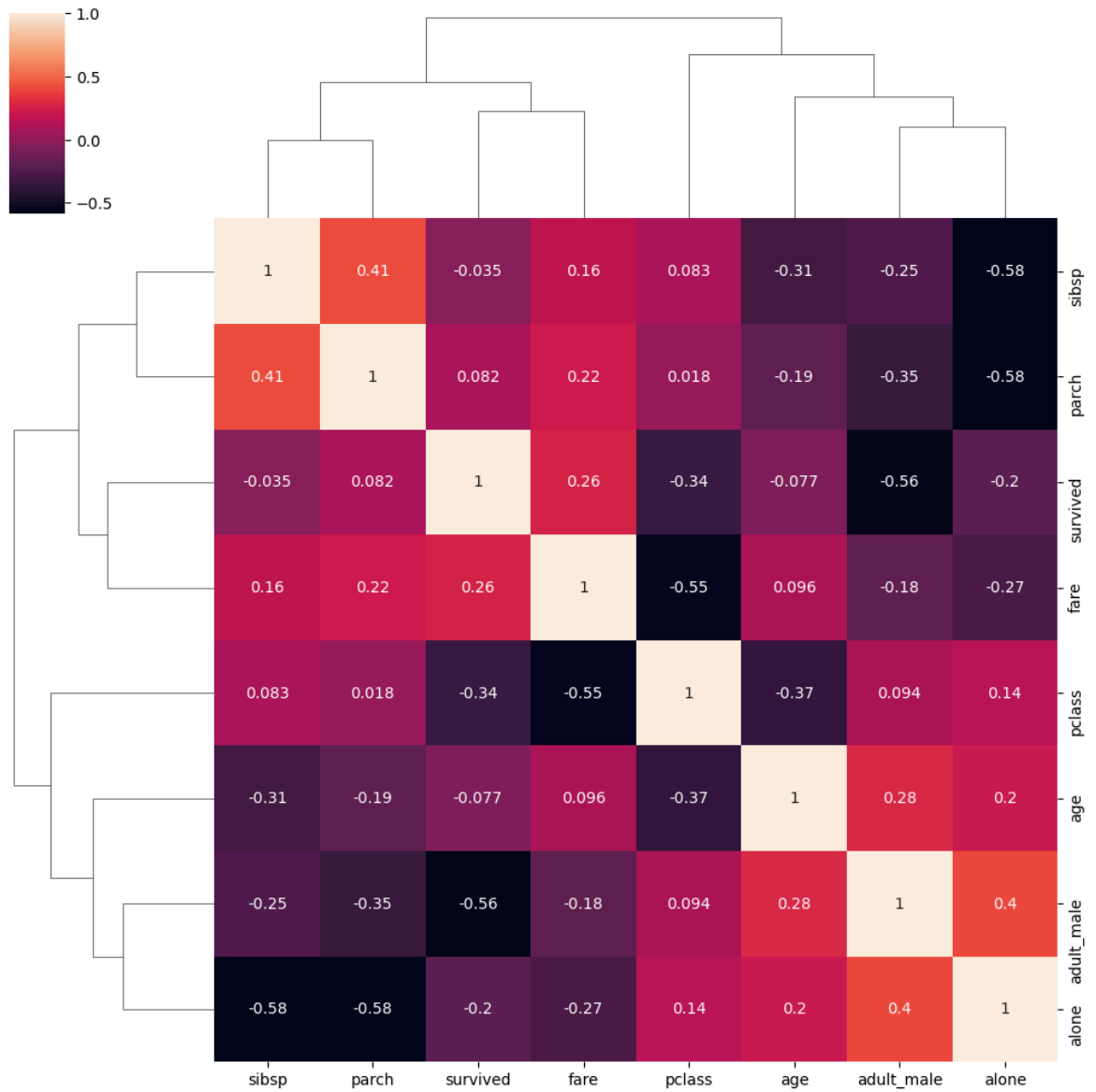


```
In [33]: corr=titanic.corr(numeric_only=True)
sns.heatmap(corr,annot=True)
plt.show()
```

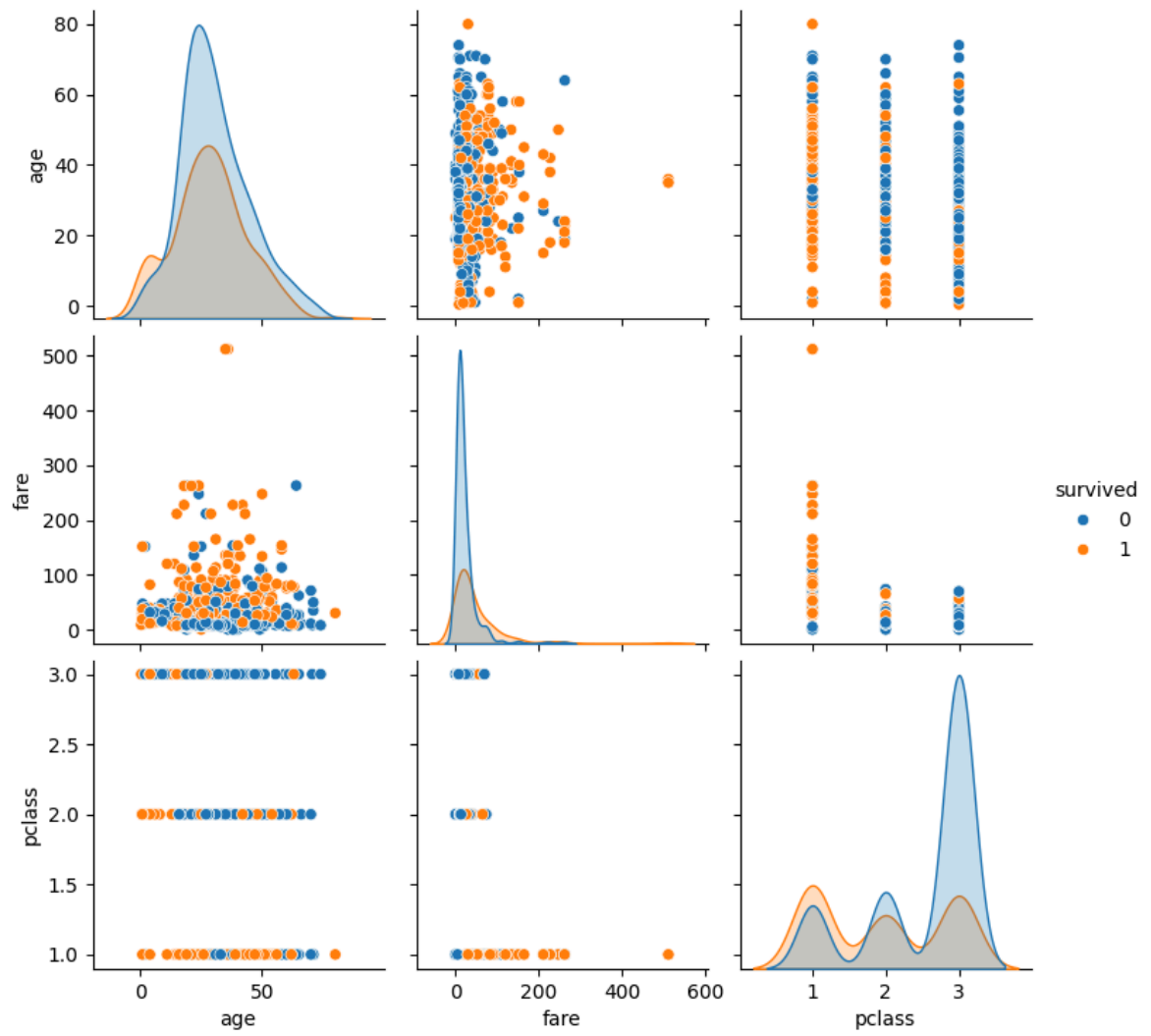




```
In [34]: corr=titanic.corr(numeric_only=True)
sns.clustermap(corr,annot=True)
plt.show()
```



```
In [39]: sns.pairplot(data=titanic, vars=['age', 'fare', 'pclass'], hue='survived')
plt.show()
```



In [ ]: