```
import matplotlib.pyplot as plt
import seaborn as sns
import pandas as pd
import numpy as np
import warnings
warnings.filterwarnings("ignore")

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

	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

Next steps: Generate code with dataset | New interactive sheet

```
dataset.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 891 entries, 0 to 890
Data columns (total 15 columns):
 #   Column       Non-Null Count  Dtype
---  ------       --------------  -----
 0   survived     891 non-null    int64
 1   pclass       891 non-null    int64
 2   sex          891 non-null    object
 3   age          714 non-null    float64
 4   sibsp        891 non-null    int64
 5   parch        891 non-null    int64
 6   fare         891 non-null    float64
 7   embarked     889 non-null    object
 8   class        891 non-null    category
 9   who          891 non-null    object
 10  adult_male   891 non-null    bool
 11  deck         203 non-null    category
 12  embark_town  889 non-null    object
 13  alive        891 non-null    object
 14  alone        891 non-null    bool
dtypes: bool(2), category(2), float64(2), int64(4), object(5)
memory usage: 80.7+ KB
```

```
dataset.shape
```

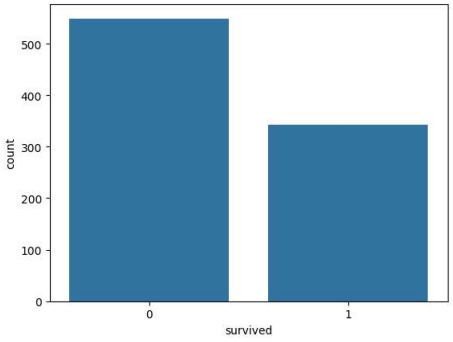
```
(891, 15)
```

```
print("Survived: ", dataset['survived'].value_counts()[1])
print("Dead: ", dataset['survived'].value_counts()[0])
```

```
Survived:  342
Dead:  549
```

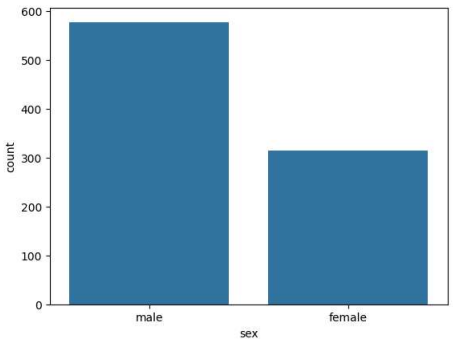
```
sns.countplot(x='survived', data=dataset)
```

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



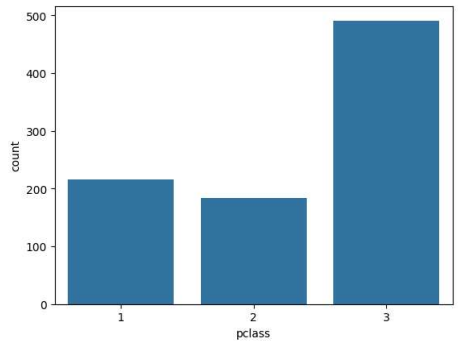

```
sns.countplot(x='sex', data=dataset)
```

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

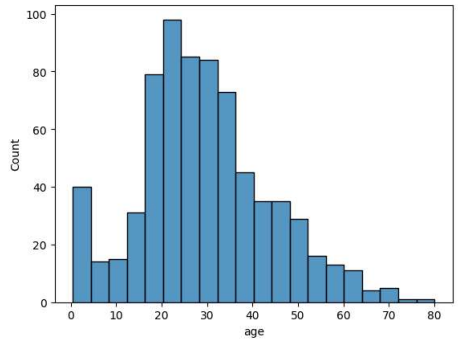



```
sns.countplot(x='pclass',data=dataset)
```

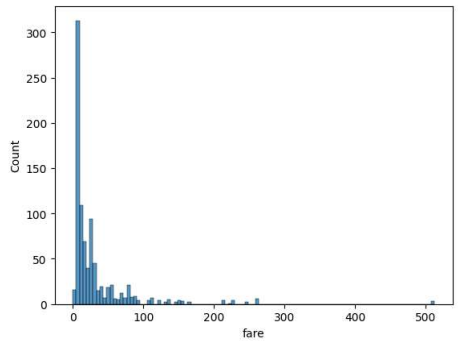
```
<Axes: xlabel='pclass', ylabel='count'>
```



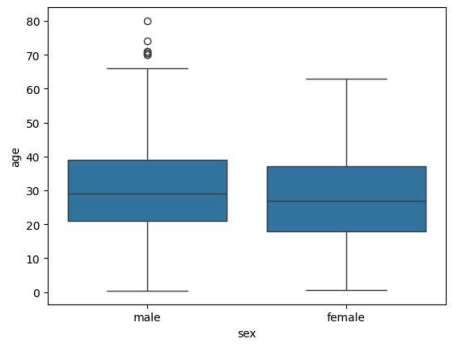

```
sns.histplot(dataset['age'])
plt.show()
```



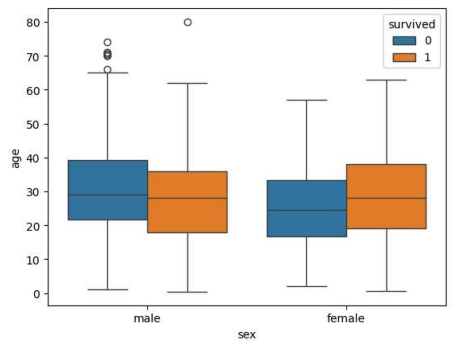

```
sns.histplot(dataset['fare'])
plt.show()
```



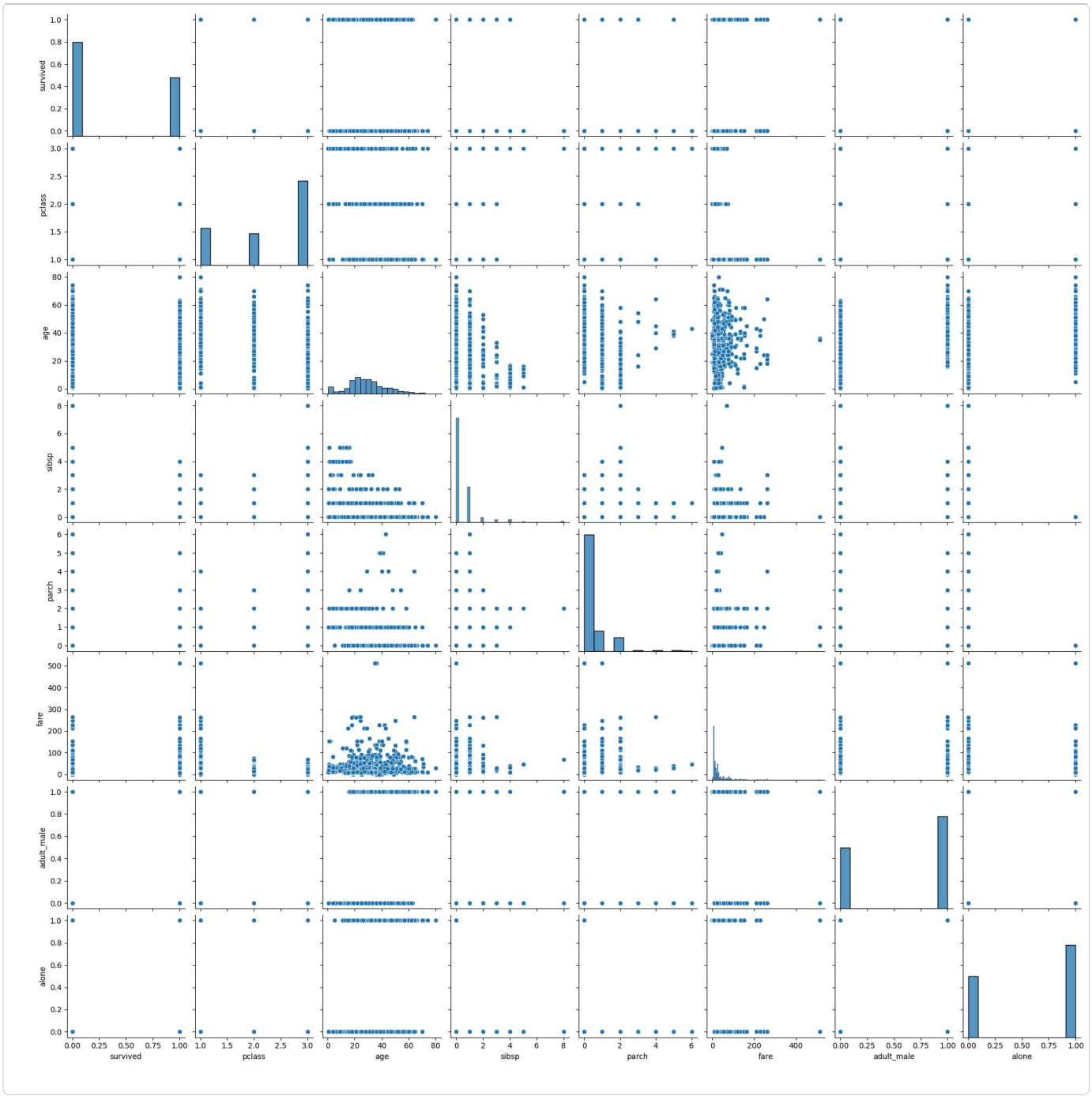

```
sns.boxplot(x='sex', y='age', data=dataset)
plt.show()
```



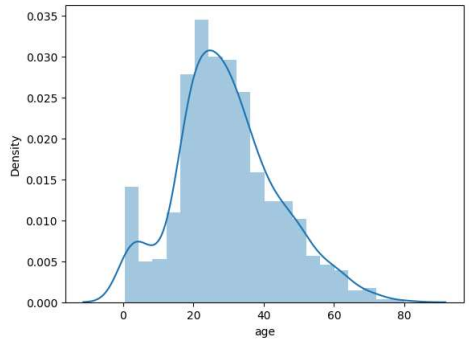

```
sns.boxplot(x='sex', y='age', hue='survived', data=dataset)
plt.show()
```



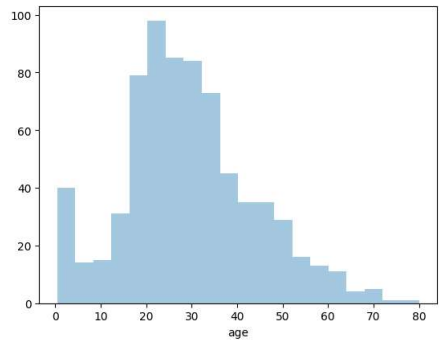

```
sns.pairplot(data=dataset)
plt.show()
```



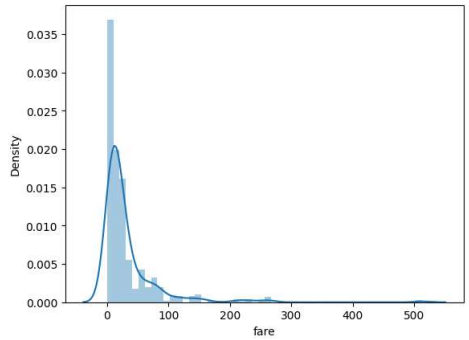

```
sns.distplot(dataset['age'])
plt.show()
```



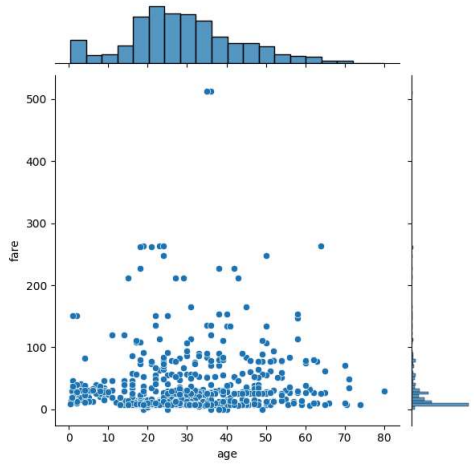

```
sns.distplot(dataset['age'],kde=False)
plt.show()
```



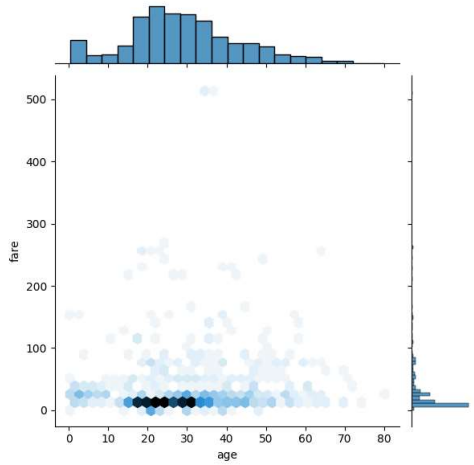

```
sns.distplot(dataset['fare'])
plt.show()
```



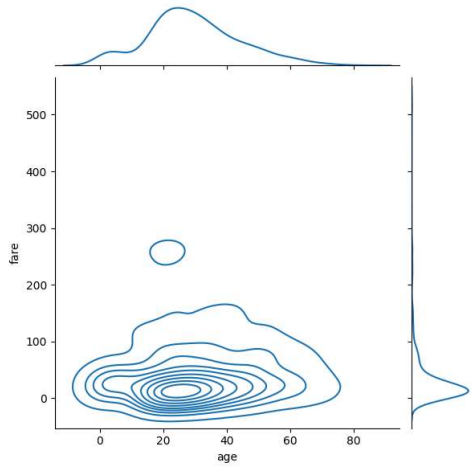

```
sns.jointplot(x='age', y='fare', data=dataset)
plt.show()
```



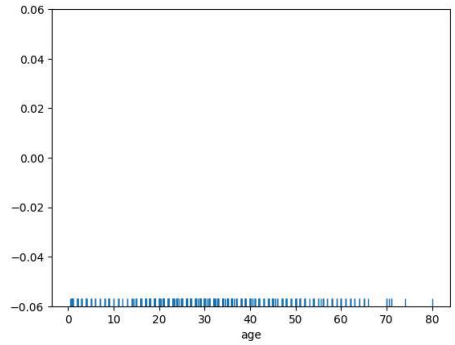

```
sns.jointplot(x='age', y='fare', kind='hex', data=dataset)
plt.show()
```




```
sns.jointplot(x='age', y='fare', kind='kde', data=dataset)
plt.show()
```




```
sns.rugplot(dataset['age'])
plt.show()
```




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