In [1]:

```python
import matplotlib.pyplot as plt
import seaborn as sns
plt.rcParams["figure.figsize"] = [8,6]
sns.set_style("darkgrid")

titanic_data = sns.load_dataset('titanic')
titanic_data.head()
```
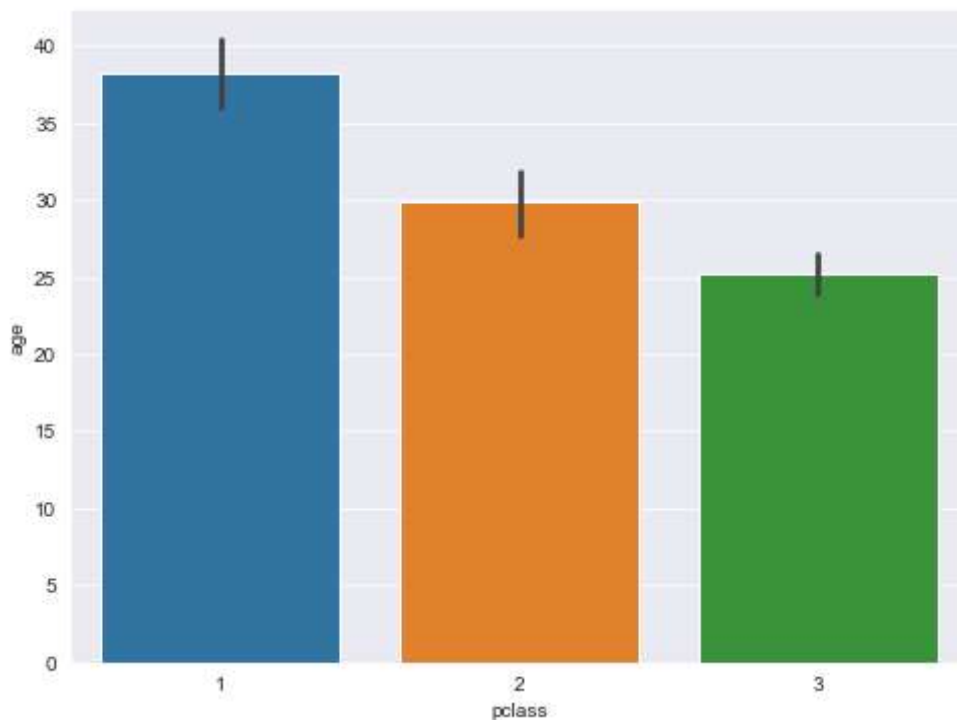
Out[1]:

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

In [2]:

```python
sns.barplot(x='pclass', y='age', data=titanic_data)
```

Out[2]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x25192e77d88>
```

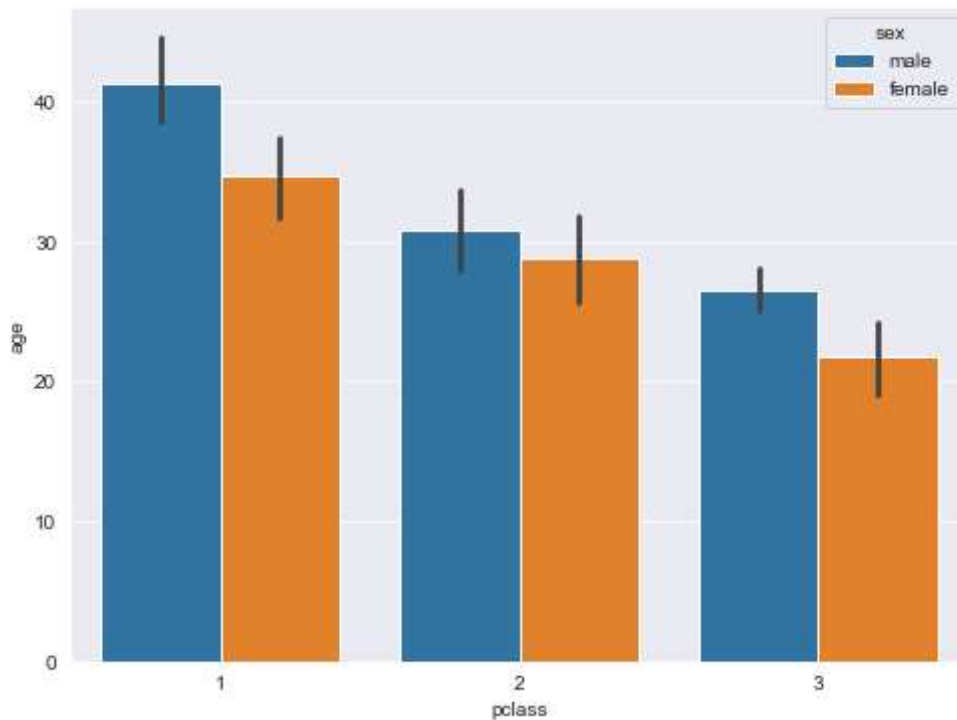In [3]:

```
sns.barplot(x='pclass', y='age', hue='sex', data=titanic_data)
```
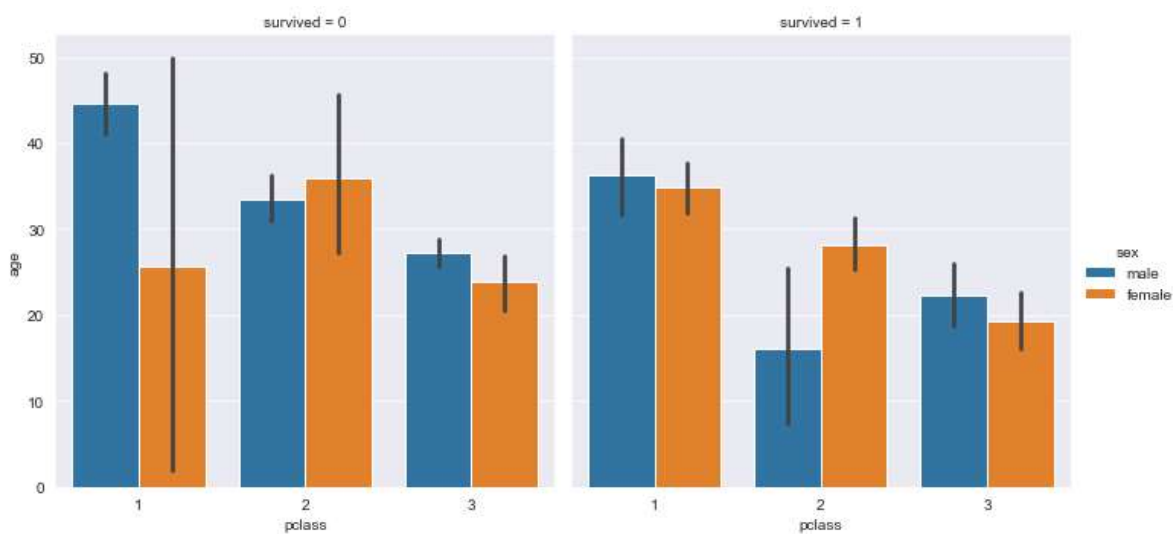
Out[3]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x2519cd8e488>
```


In [4]:

```
sns.catplot(x="pclass", y="age", hue="sex", col ="survived",
data=titanic_data, kind="bar");
```
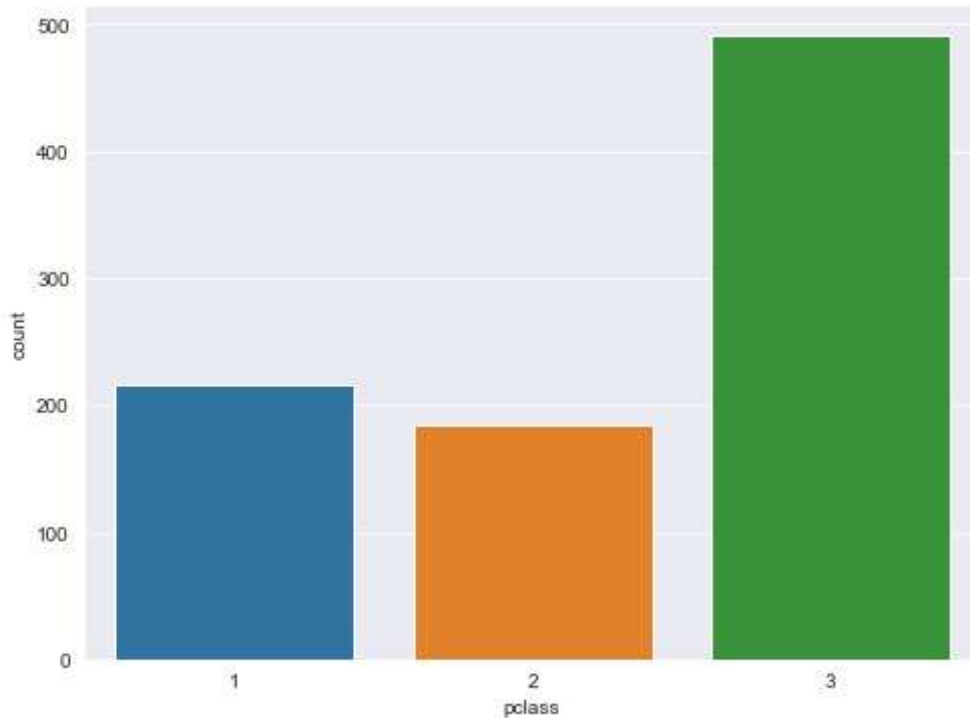
In [5]:

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

Out[5]:

<matplotlib.axes._subplots.AxesSubplot at 0x2519fefe1c8>

In [6]:

```python
<matplotlib.axes._subplots.AxesSubplot at 0x1eb8417f148>
```

```
  File "<ipython-input-6-bcaf40362760>", line 1
    <matplotlib.axes._subplots.AxesSubplot at 0x1eb8417f148>
    ^
SyntaxError: invalid syntax
```
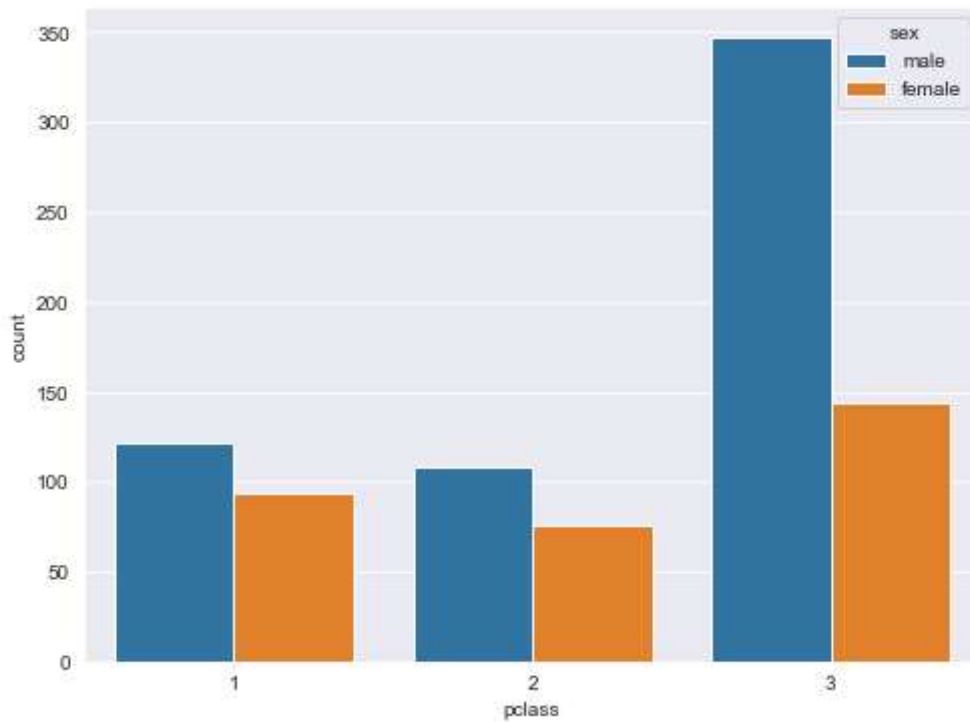
In [7]:

```python
sns.countplot(x='pclass', hue='sex', data=titanic_data)
```

Out[7]:

`<matplotlib.axes._subplots.AxesSubplot at 0x251a0047788>`
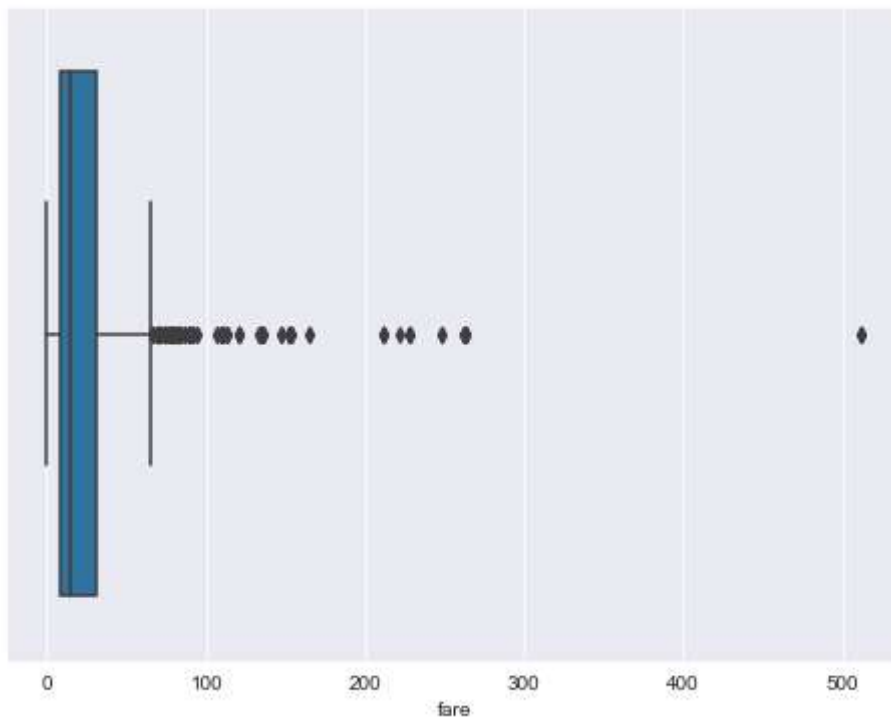
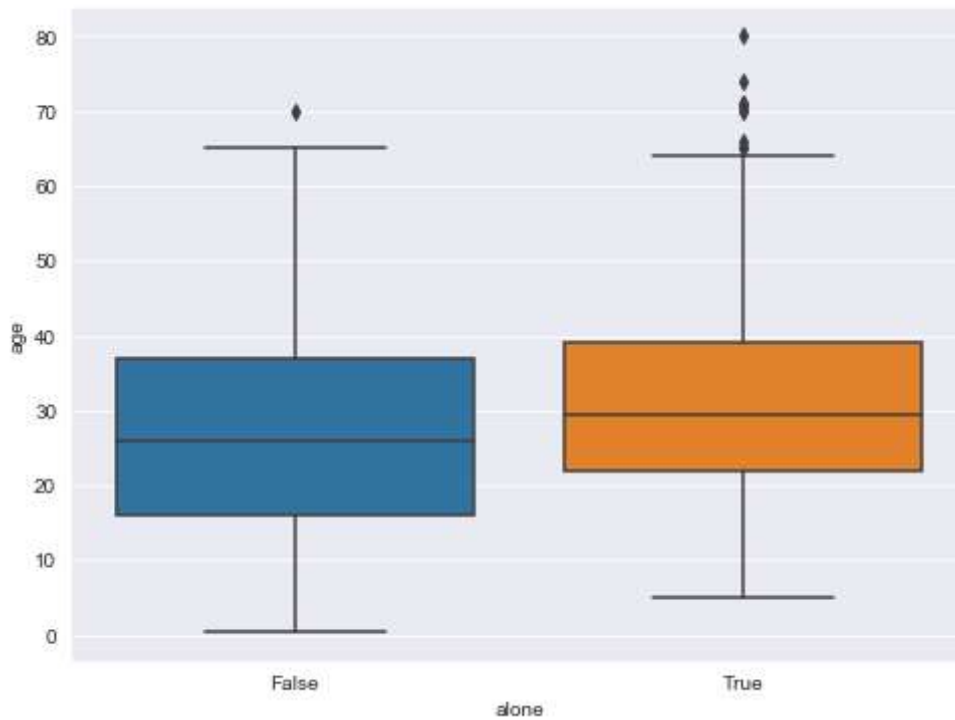In [8]:

```
sns.boxplot(x=titanic_data["fare"])
```

Out[8]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x251a0032688>
```

In [9]:

```
sns.boxplot(x='alone',y='age',data=titanic_data)
```

Out[9]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x251a012f4c8>
```

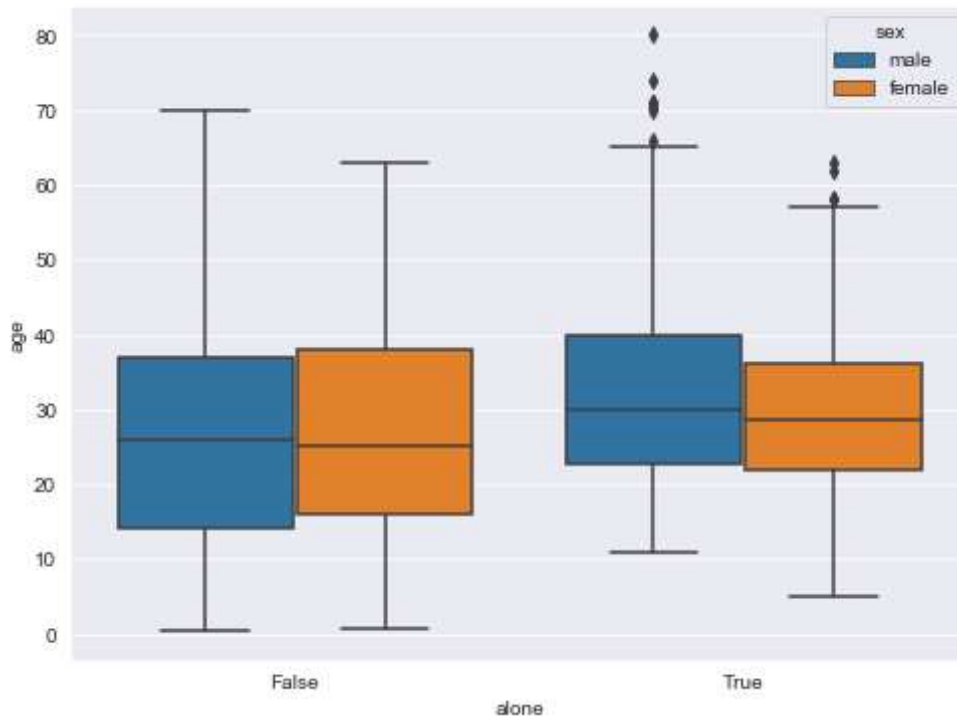In [10]:

```python
sns.boxplot(x='alone',y='age', hue='sex', data=titanic_data)
```
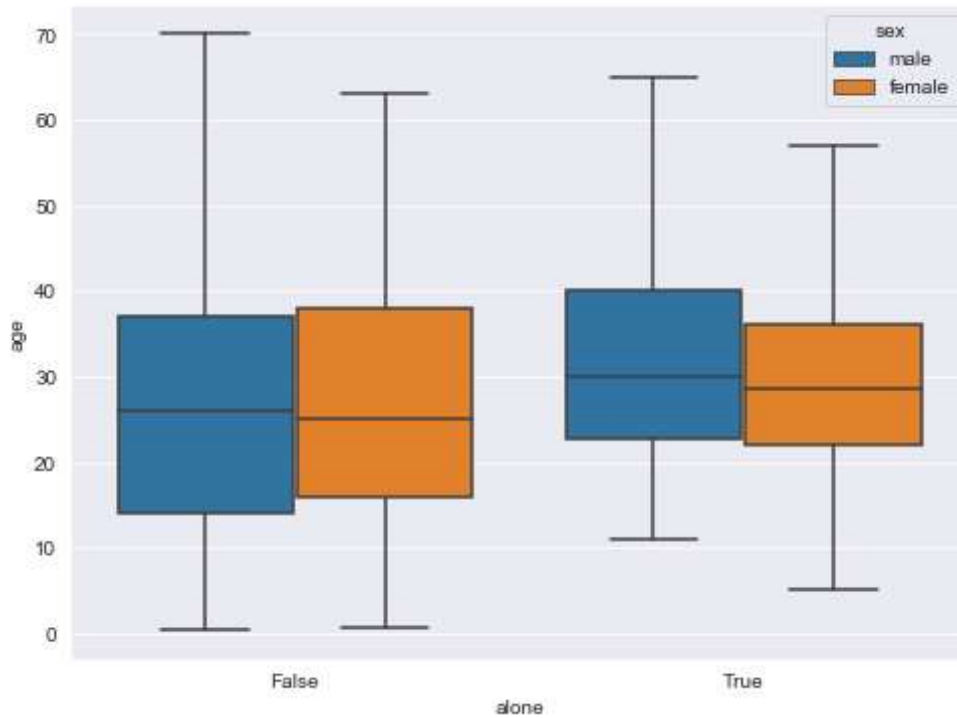
Out[10]:

<matplotlib.axes._subplots.AxesSubplot at 0x251a0329148>

In [11]:

```
sns.boxplot(x='alone',y='age', hue='sex', data=titanic_data,showfliers=False)
```

Out[11]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x2519ffc9dc8>
```


In [12]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x1eb84309908>
```

```
  File "<ipython-input-12-adebe8a2544e>", line 1
    <matplotlib.axes._subplots.AxesSubplot at 0x1eb84309908>
    ^
SyntaxError: invalid syntax
```

In [13]:

```python
sns.violinplot(x='alone', y='age', data=titanic_data)
```

Out[13]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x251a01a52c8>
```
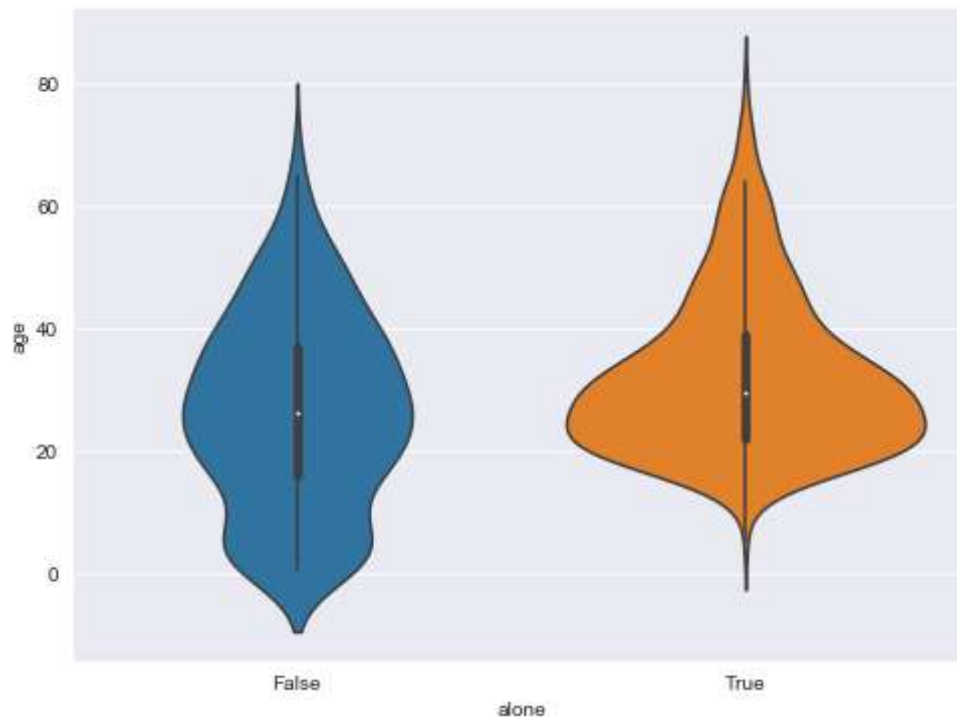
In [14]:

```python
sns.violinplot(x='alone', y='age',hue='sex', data=titanic_data)
```
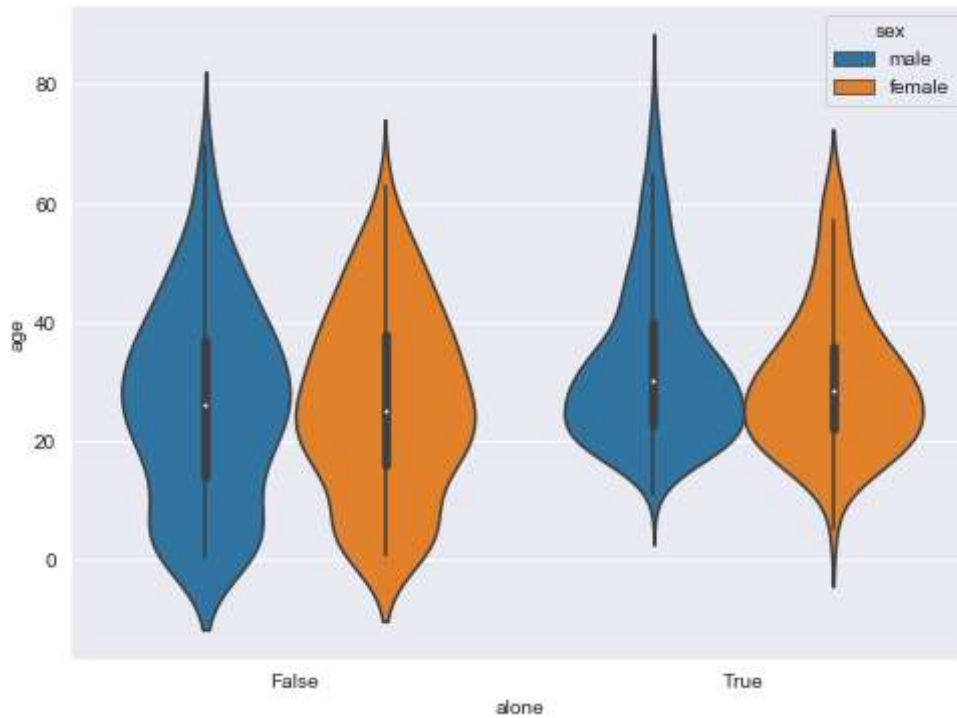
Out[14]:

<matplotlib.axes._subplots.AxesSubplot at 0x251a0256388>

In [15]:

```python
sns.violinplot(x='alone', y='age',hue='sex', data=titanic_data,split=True)
```
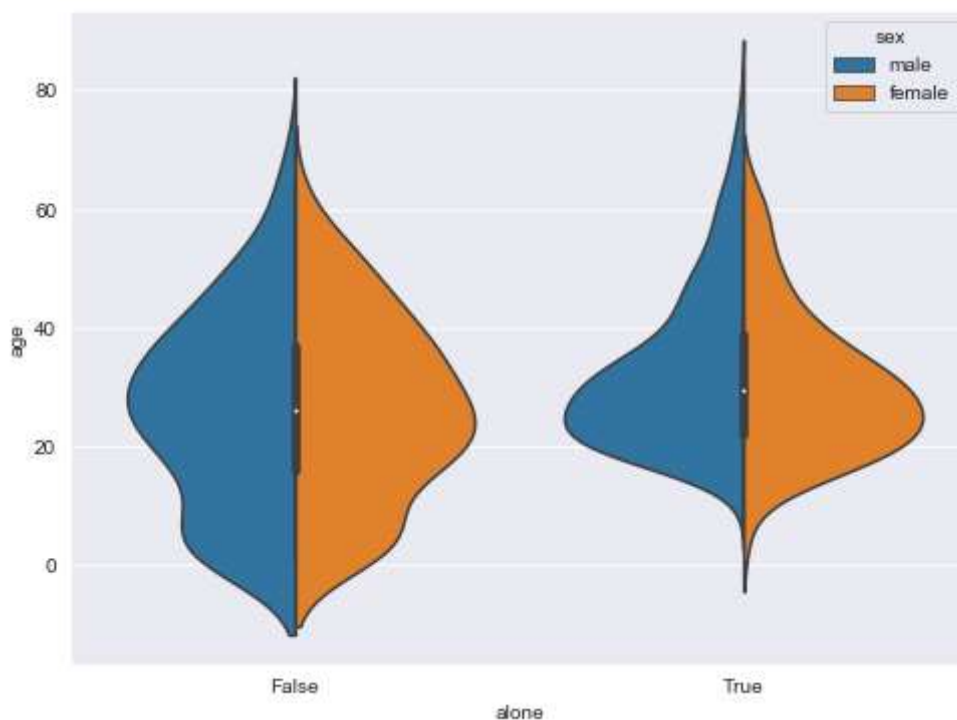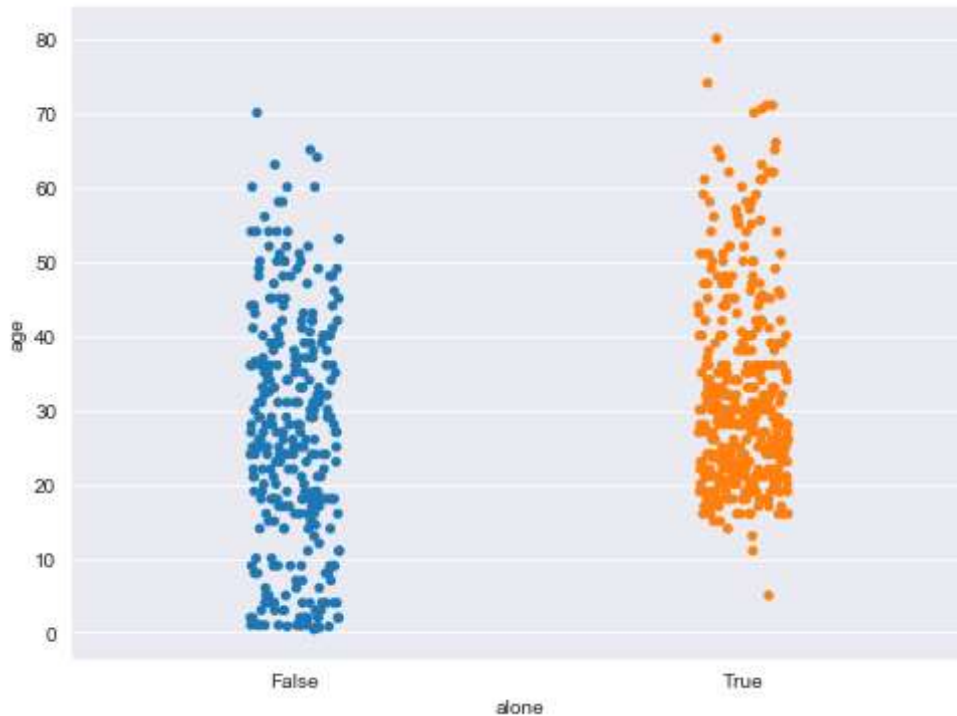
Out[15]:

<matplotlib.axes._subplots.AxesSubplot at 0x251a037b648>

In [16]:

```python
sns.stripplot(x='alone', y='age',data=titanic_data)
```
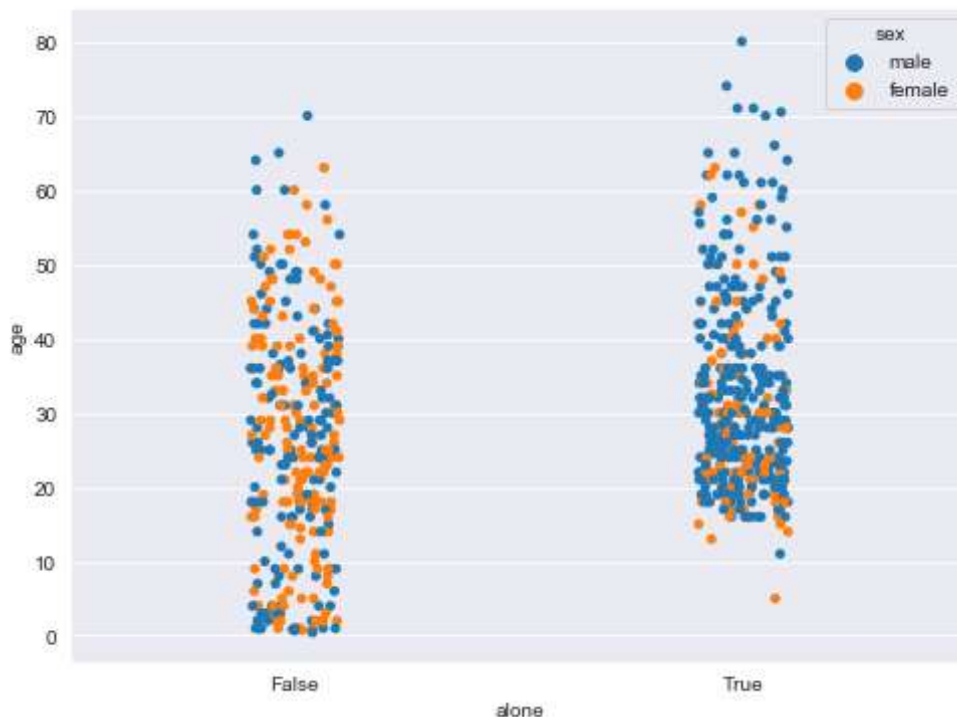
Out[16]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x251a03f2cc8>
```


In [17]:

```python
sns.stripplot(x='alone', y='age', hue='sex', data=titanic_data)
```

Out[17]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x251a037be88>
```
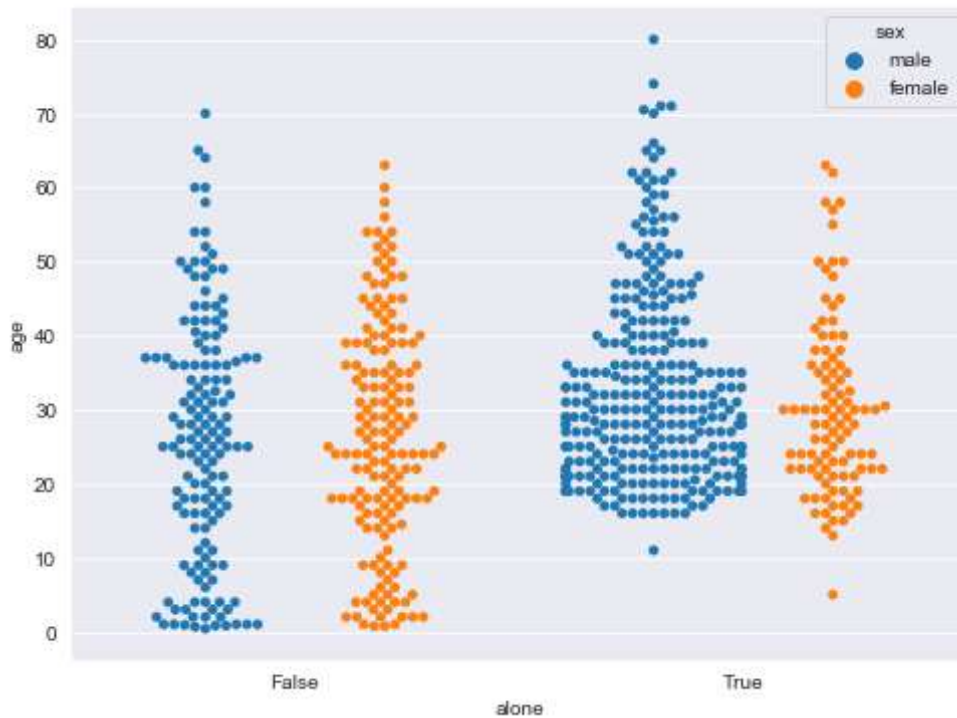
In [18]:

```
sns.swarmplot(x='alone', y='age', hue='sex', data=titanic_data,split=True)
```

C:\Users\lenovo\anaconda3\lib\site-packages\seaborn\categorical.py:2974: Use
rWarning: The `split` parameter has been renamed to `dodge`.
  warnings.warn(msg, UserWarning)

Out[18]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x251a055a608>
```


In [ ]: