Seaborn

The Data

Working with a famous titanic data set for these graphs.

```
In [1]:  import seaborn as sb
         import matplotlib.pyplot as plt
         %matplotlib inline
```

```
In [2]:  sb.set_style('whitegrid')
```

```
In [3]:  titanic = sb.load_dataset('titanic')
```
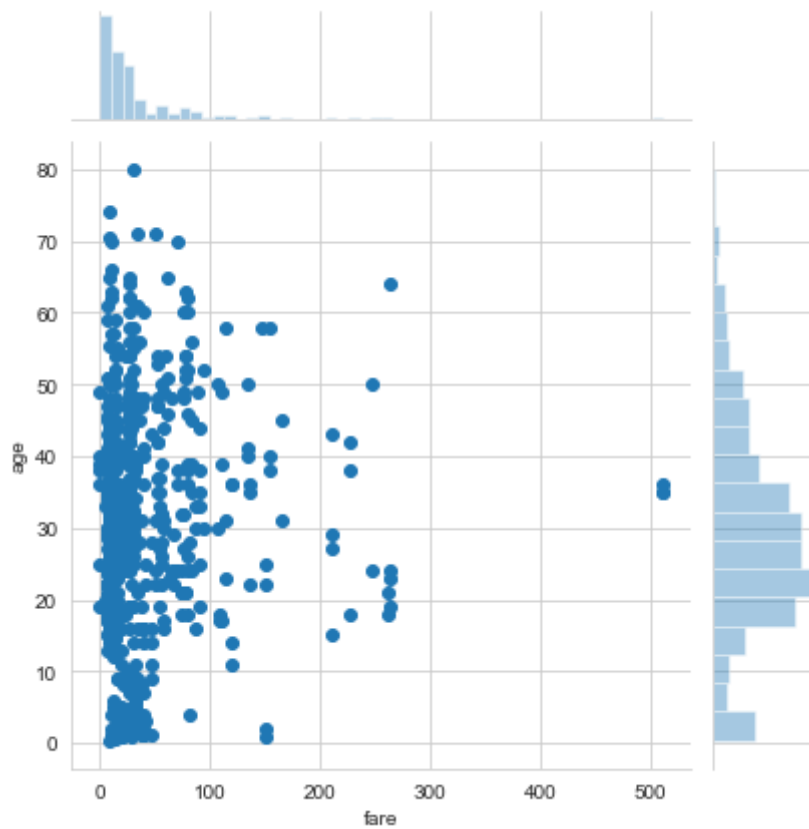
```
In [4]:  titanic.head()
```

Out[4]:

|	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	dec
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	Na
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	Na
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	Na

In [5]: `sb.jointplot('fare','age',data=titanic)`

Out[5]: `<seaborn.axisgrid.JointGrid at 0x11f7c8198>`
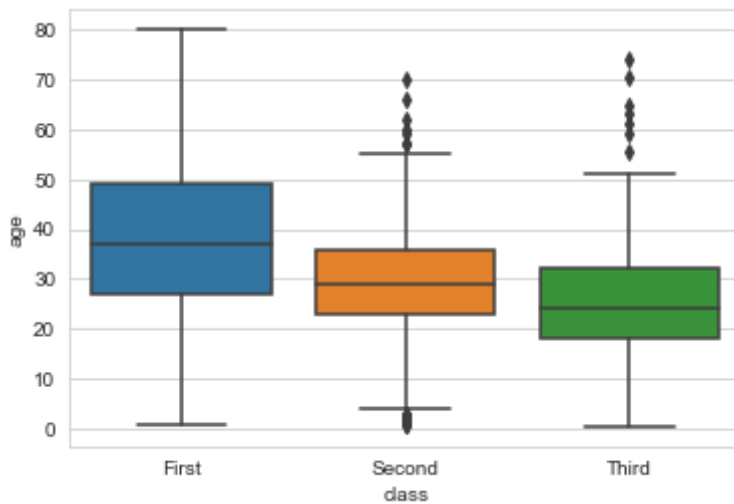

In [7]: `sb.distplot(titanic['fare'],bins=40,kde=False)`
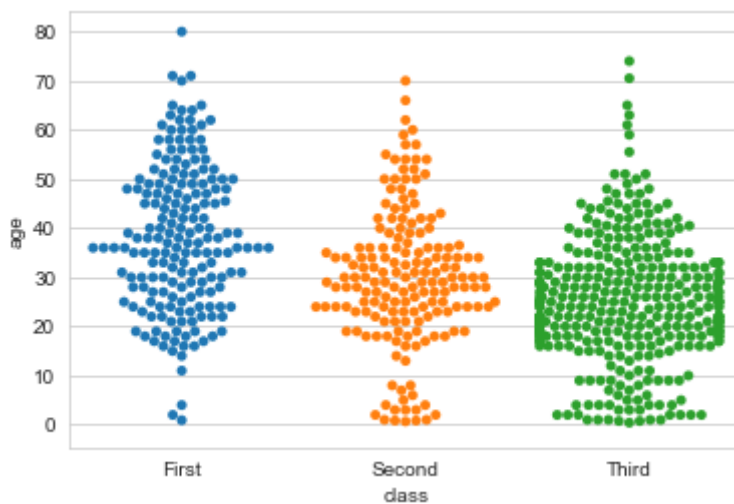
Out[7]: `<matplotlib.axes._subplots.AxesSubplot at 0x12199bcf8>`
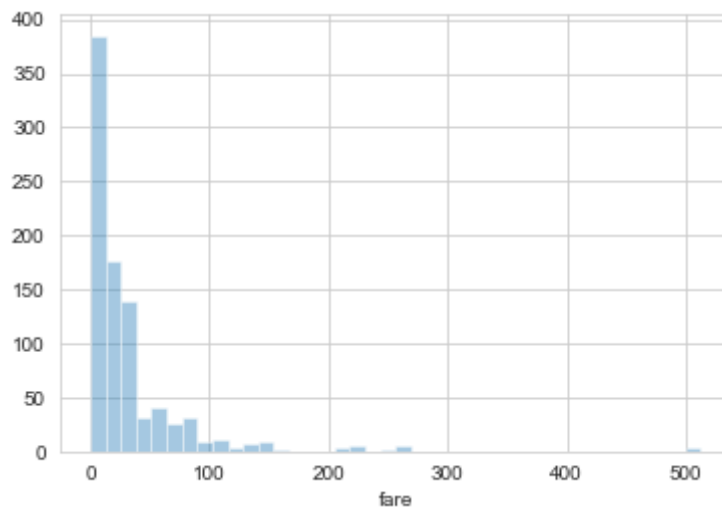
In [8]:
```python
sb.boxplot(x='class',y='age',data=titanic)
```
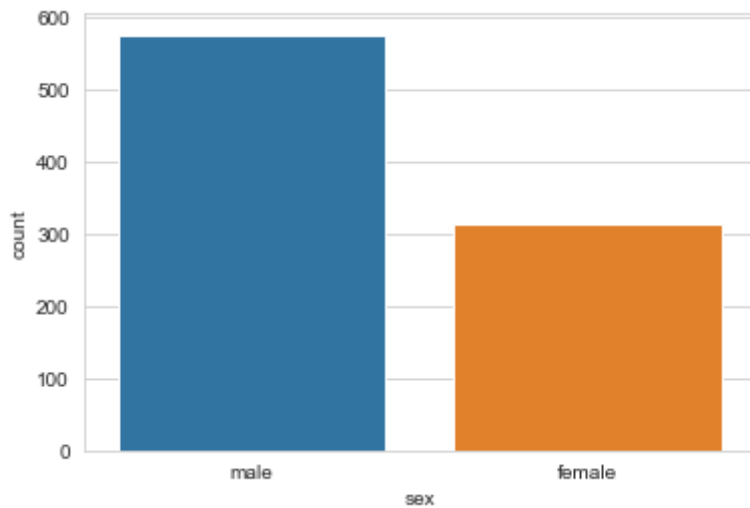
Out[8]: `<matplotlib.axes._subplots.AxesSubplot at 0x1214cefd0>`

In [10]:
```python
sb.swarmplot(x='class',y='age',data=titanic)
```
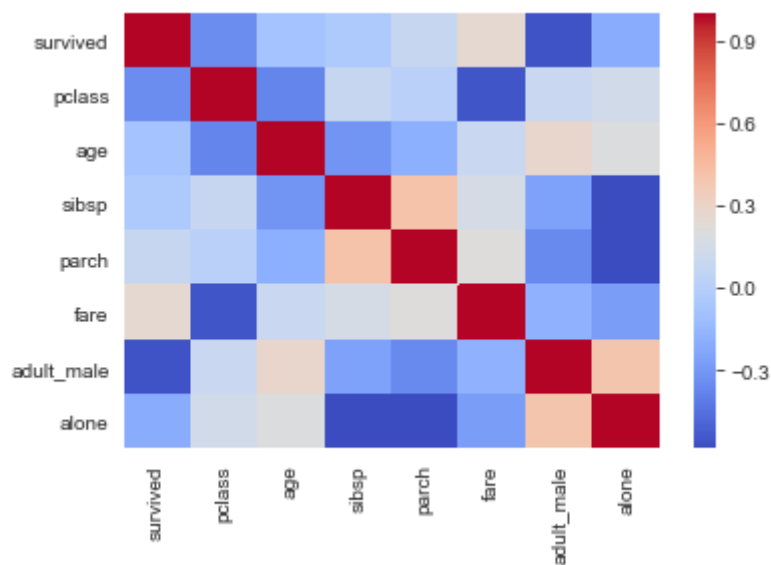
Out[10]: `<matplotlib.axes._subplots.AxesSubplot at 0x12115d978>`

In [11]: `sb.countplot(x='sex',data=titanic)`

Out[11]: `<matplotlib.axes._subplots.AxesSubplot at 0x1215b5240>`

In [14]: `sb.heatmap(titanic.corr(),cmap='coolwarm')`

Out[14]: `<matplotlib.axes._subplots.AxesSubplot at 0x1219cb978>`

In [19]:
```python
g = sb.FacetGrid(titanic, col='sex')
g.map(plt.hist, 'age', bins=30)
```

Out[19]: <seaborn.axisgrid.FacetGrid at 0x1294916a0>