[ ]:
```
pip install seaborn
```

[2]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

[5]:
```
dataset=sns.load_dataset('titanic')
dataset.head()
```

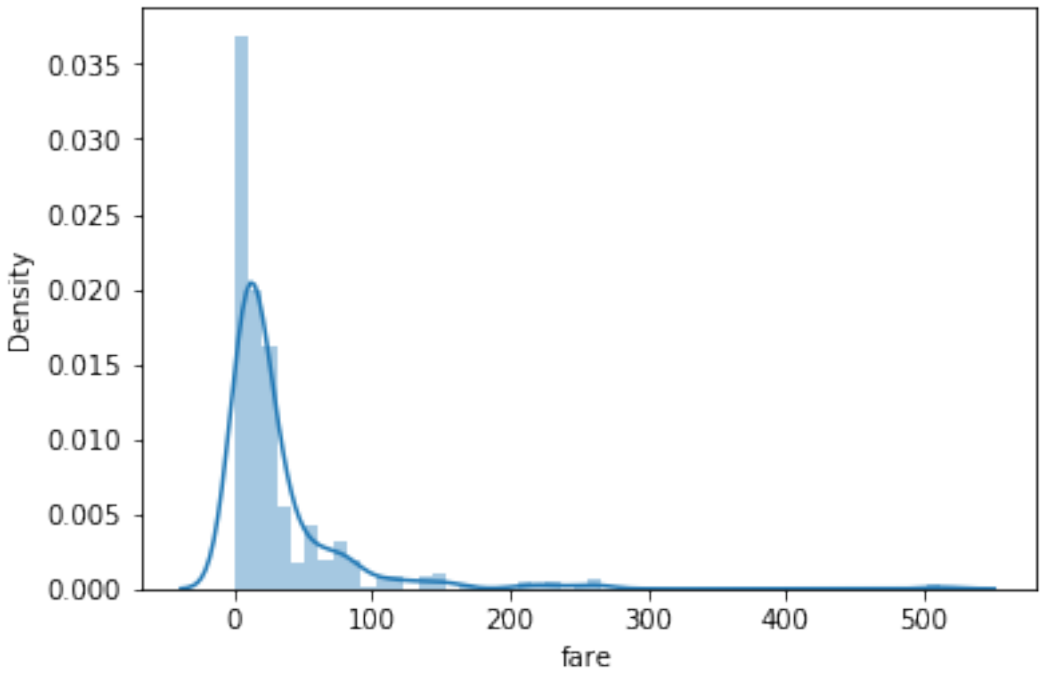
[5]:

	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

[6]:
```
sns.distplot(dataset['fare'])
```

```
C:\Users\dell\Anaconda3\lib\site-packages\seaborn\distributions.py:2619:
FutureWarning: `distplot` is a deprecated function and will be removed in a
future version. Please adapt your code to use either `displot` (a figure-level
function with similar flexibility) or `histplot` (an axes-level function for
histograms).
  warnings.warn(msg, FutureWarning)
```

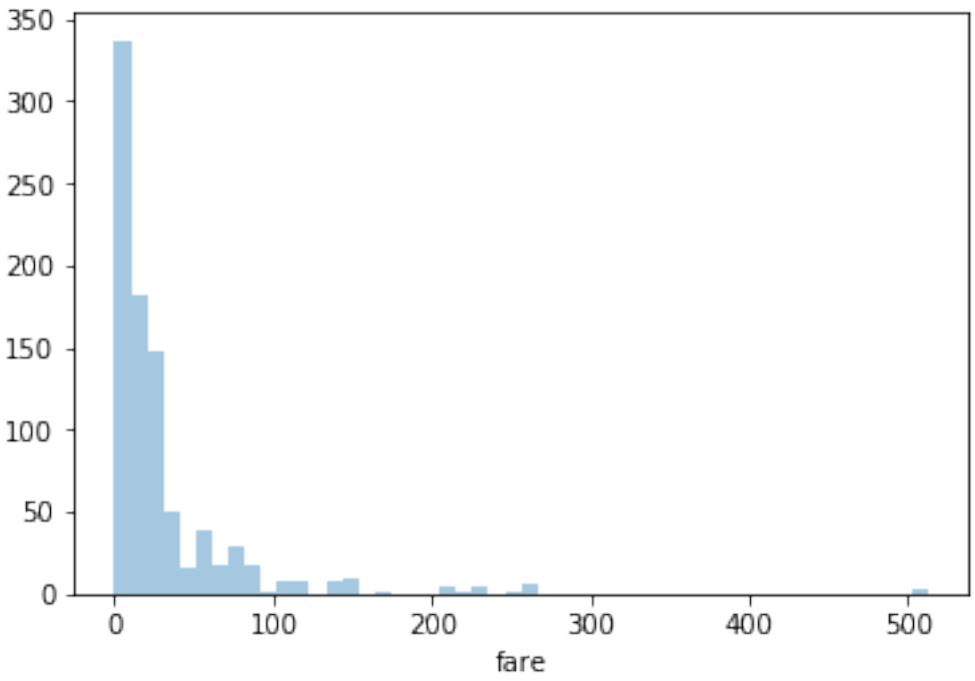
[6]:
```
<matplotlib.axes._subplots.AxesSubplot at 0xbde7a20>
```



[8]:
```
sns.distplot(dataset['fare'],kde=False)
```

```
C:\Users\dell\Anaconda3\lib\site-packages\seaborn\distributions.py:2619:
FutureWarning: `distplot` is a deprecated function and will be removed in a
future version. Please adapt your code to use either `displot` (a figure-level
function with similar flexibility) or `histplot` (an axes-level function for
histograms).
  warnings.warn(msg, FutureWarning)
```

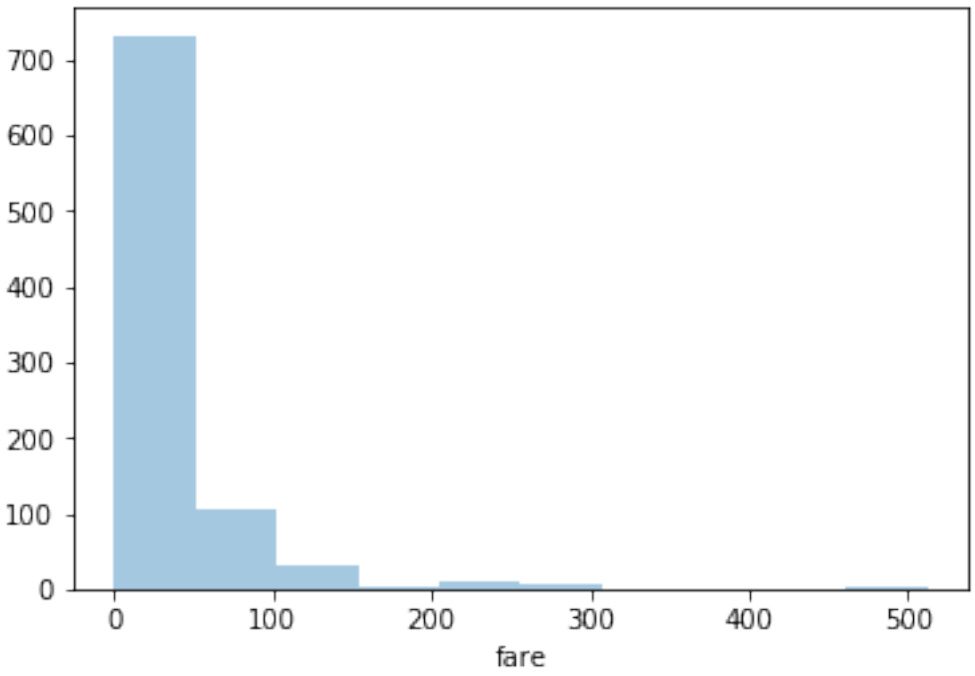
[8]:
```
<matplotlib.axes._subplots.AxesSubplot at 0xbeb1a58>
```



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

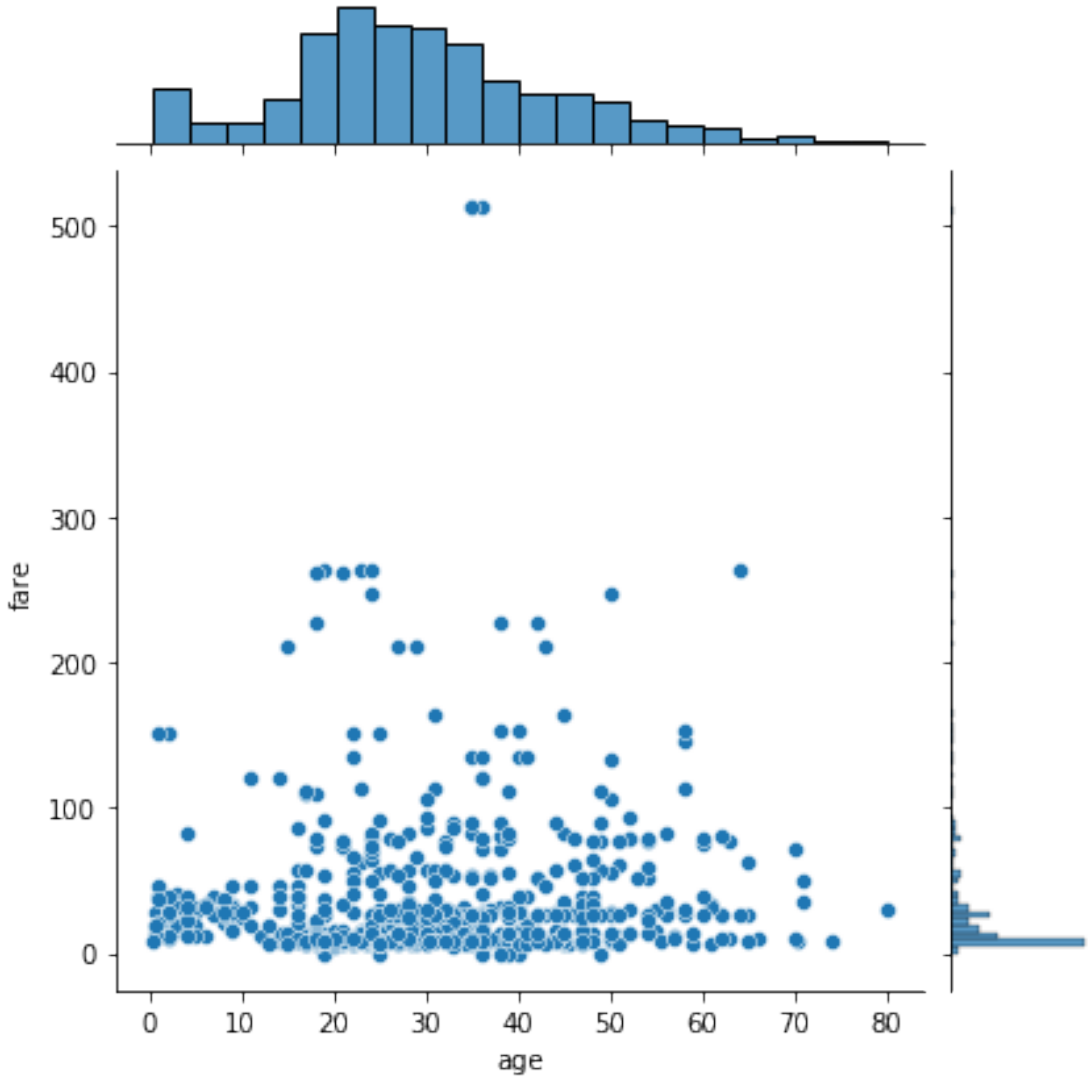
```
C:\Users\dell\Anaconda3\lib\site-packages\seaborn\distributions.py:2619:
FutureWarning: `distplot` is a deprecated function and will be removed in a
future version. Please adapt your code to use either `displot` (a figure-level
function with similar flexibility) or `histplot` (an axes-level function for
histograms).
  warnings.warn(msg, FutureWarning)
```

[10]:
```
<matplotlib.axes._subplots.AxesSubplot at 0xbc37d30>
```



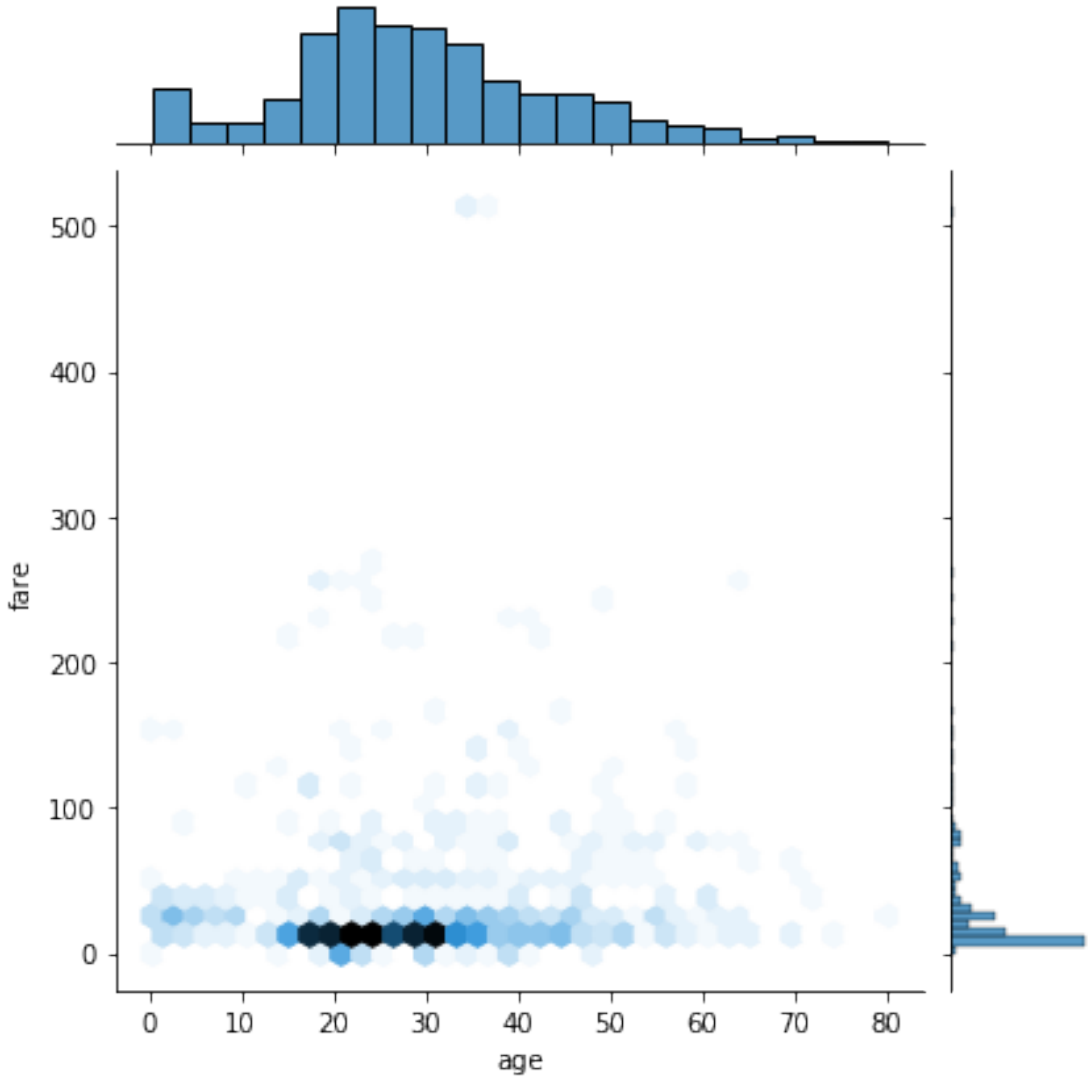
[11]:
```
sns.jointplot(x='age',y='fare',data=dataset)
```

[11]: <seaborn.axisgrid.JointGrid at 0xbea52e8>



[12]:
```
sns.jointplot(x='age',y='fare',data=dataset,kind='hex')
```

[12]: <seaborn.axisgrid.JointGrid at 0xc0a2ef0>

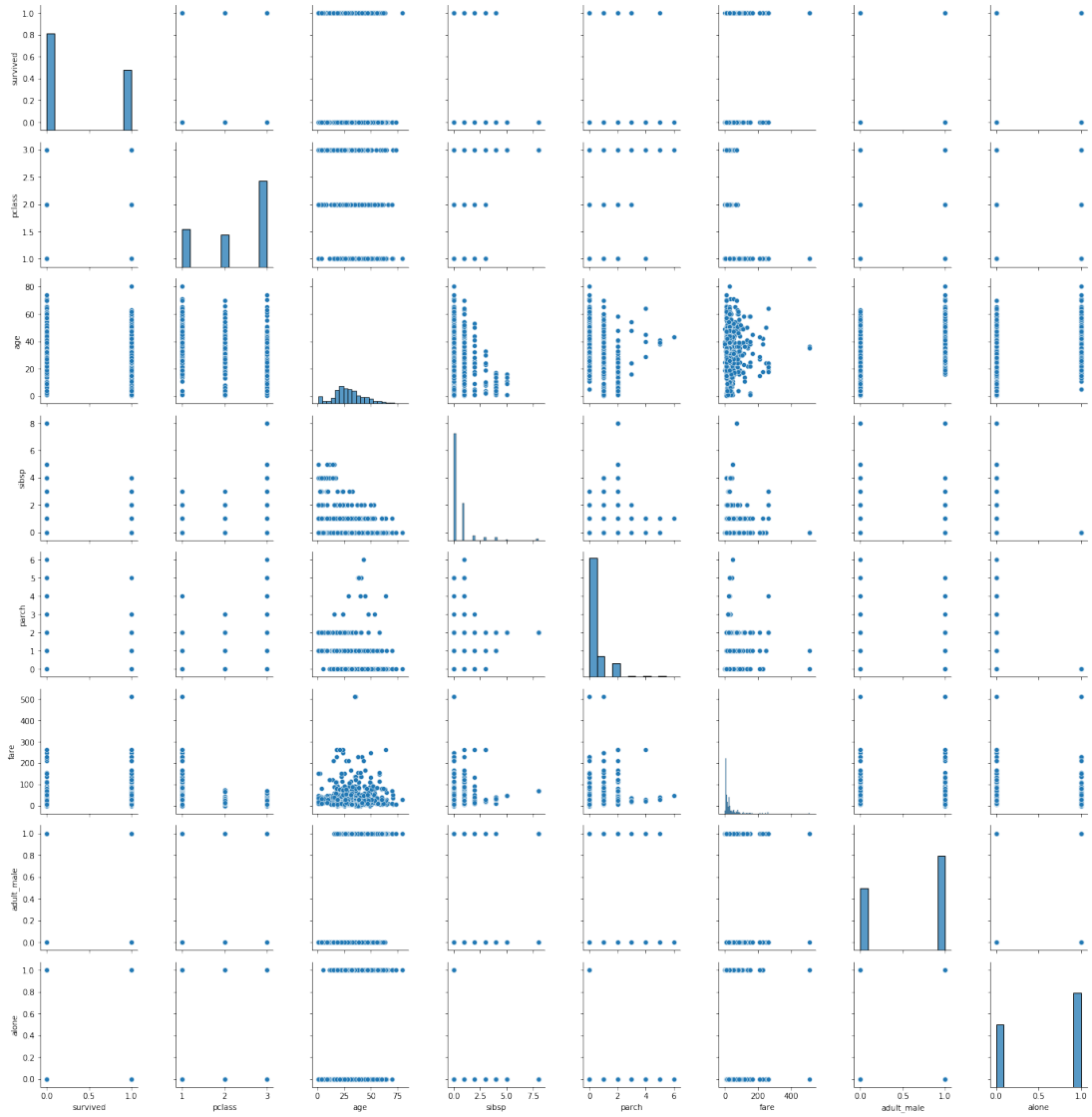


[13]:
```
sns.pairplot(dataset)
```

```
C:\Users\dell\Anaconda3\lib\site-packages\numpy\lib\histograms.py:592:
RuntimeWarning: Converting input from bool to <class 'numpy.uint8'> for
compatibility.
  a, weights = _ravel_and_check_weights(a, weights)
C:\Users\dell\Anaconda3\lib\site-packages\numpy\lib\histograms.py:708:
RuntimeWarning: Converting input from bool to <class 'numpy.uint8'> for
compatibility.
  a, weights = _ravel_and_check_weights(a, weights)
C:\Users\dell\Anaconda3\lib\site-packages\numpy\lib\histograms.py:592:
RuntimeWarning: Converting input from bool to <class 'numpy.uint8'> for
compatibility.
```

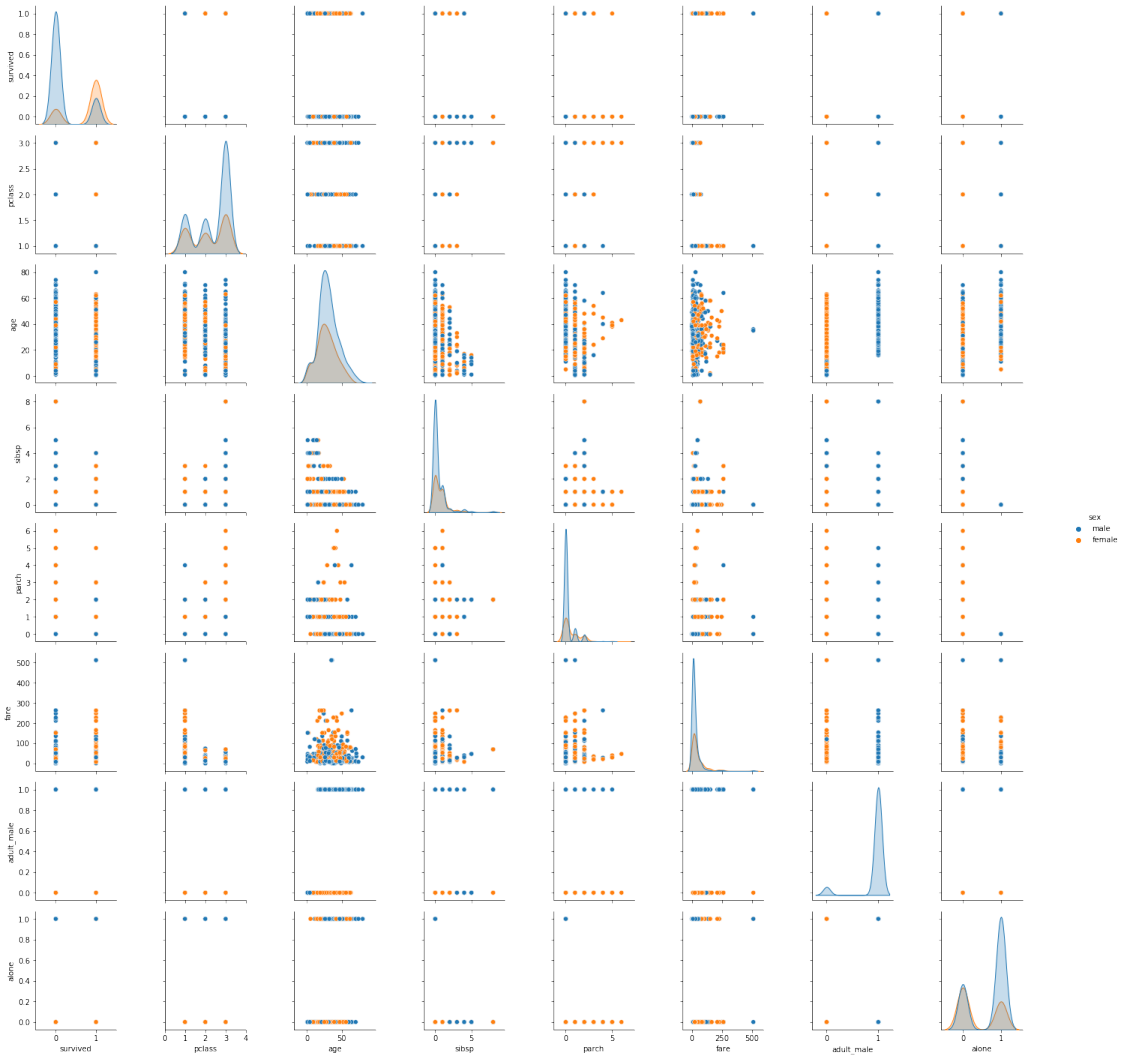
```
  a, weights = _ravel_and_check_weights(a, weights)
C:\Users\dell\Anaconda3\lib\site-packages\numpy\lib\histograms.py:708:
RuntimeWarning: Converting input from bool to <class 'numpy.uint8'> for
compatibility.
  a, weights = _ravel_and_check_weights(a, weights)
```

[13]: <seaborn.axisgrid.PairGrid at 0xbcb0d30>



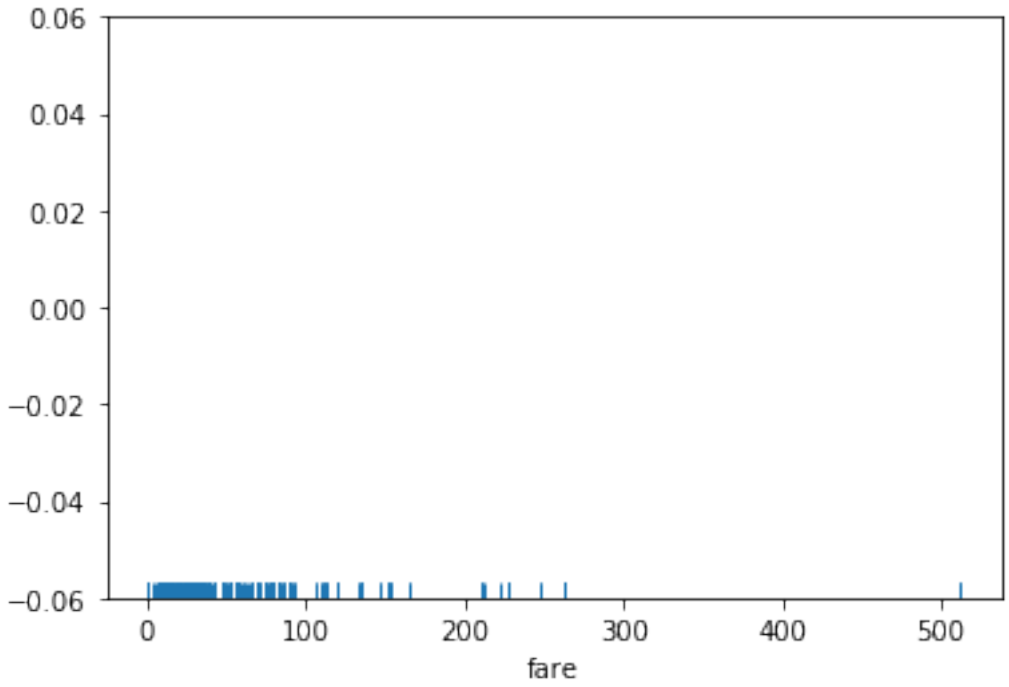
[14]:
```
sns.pairplot(dataset,hue='sex')
```

[14]: <seaborn.axisgrid.PairGrid at 0xf8c9860>



[16]:
```
sns.rugplot(dataset['fare'])
```

[16]: <matplotlib.axes._subplots.AxesSubplot at 0x1453d048>


0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
0
100
200
300
400
500
fare