In [1]:
```
pip install seaborn
```

```
Requirement already satisfied: seaborn in c:\users\hp\anaconda3\lib\site-packages
(0.11.2)
Requirement already satisfied: scipy>=1.0 in c:\users\hp\anaconda3\lib\site-packages
(from seaborn) (1.7.1)
Requirement already satisfied: pandas>=0.23 in c:\users\hp\anaconda3\lib\site-packag
es (from seaborn) (1.3.4)
Requirement already satisfied: numpy>=1.15 in c:\users\hp\anaconda3\lib\site-package
s (from seaborn) (1.20.3)
Requirement already satisfied: matplotlib>=2.2 in c:\users\hp\anaconda3\lib\site-pac
kages (from seaborn) (3.4.3)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\hp\anaconda3\lib\site-pa
ckages (from matplotlib>=2.2->seaborn) (3.0.4)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\hp\anaconda3\lib\site-p
ackages (from matplotlib>=2.2->seaborn) (1.3.1)
Requirement already satisfied: cycler>=0.10 in c:\users\hp\anaconda3\lib\site-packag
es (from matplotlib>=2.2->seaborn) (0.10.0)
Requirement already satisfied: pillow>=6.2.0 in c:\users\hp\anaconda3\lib\site-packa
ges (from matplotlib>=2.2->seaborn) (8.4.0)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\hp\anaconda3\lib\sit
e-packages (from matplotlib>=2.2->seaborn) (2.8.2)
Requirement already satisfied: six in c:\users\hp\anaconda3\lib\site-packages (from
cycler>=0.10->matplotlib>=2.2->seaborn) (1.16.0)
Requirement already satisfied: pytz>=2017.3 in c:\users\hp\anaconda3\lib\site-packag
es (from pandas>=0.23->seaborn) (2021.3)
Note: you may need to restart the kernel to use updated packages.
```

In [2]:
```
import pandas as pd
import numpy as np

import matplotlib.pyplot as plt
import seaborn as sns

dataset = pd.read_csv("tested.csv")

dataset.head()
```

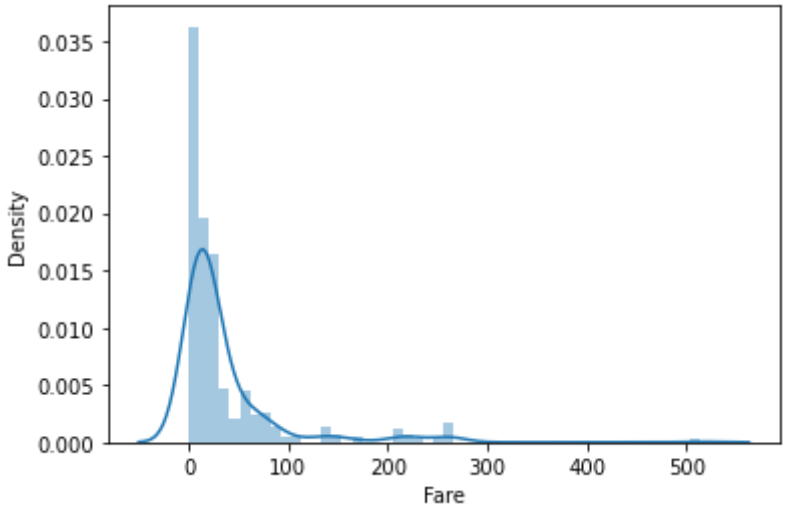
Out[2]:

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	E
0	892	0	3	Kelly, Mr. James	male	34.5	0	0	330911	7.8292	NaN	
1	893	1	3	Wilkes, Mrs. James (Ellen Needs)	female	47.0	1	0	363272	7.0000	NaN	
2	894	0	2	Myles, Mr. Thomas Francis	male	62.0	0	0	240276	9.6875	NaN	
3	895	0	3	Wirz, Mr. Albert	male	27.0	0	0	315154	8.6625	NaN	
4	896	1	3	Hirvonen, Mrs. Alexander (Helga E Lindqvist)	female	22.0	1	1	3101298	12.2875	NaN	

In [3]:
```
sns.distplot(dataset['Fare'])
```

```
C:\Users\hp\anaconda3\lib\site-packages\seaborn\distributions.py:2619: FutureWarnin
g: `distplot` is a deprecated function and will be removed in a future version. Plea
se adapt your code to use either `displot` (a figure-level function with similar fle
xibility) or `histplot` (an axes-level function for histograms).
  warnings.warn(msg, FutureWarning)
```

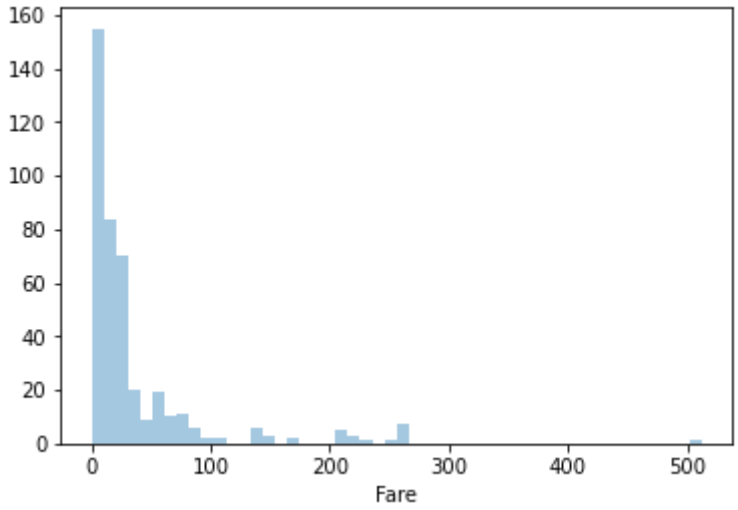
Out[3]:
```
<AxesSubplot:xlabel='Fare', ylabel='Density'>
```



In [4]:
```
sns.distplot(dataset['Fare'], kde=False)
```

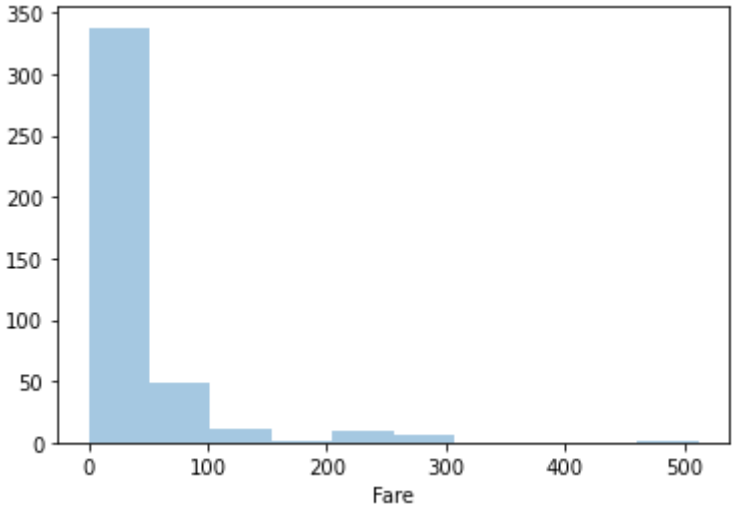
```
C:\Users\hp\anaconda3\lib\site-packages\seaborn\distributions.py:2619: FutureWarnin
g: `distplot` is a deprecated function and will be removed in a future version. Plea
se adapt your code to use either `displot` (a figure-level function with similar fle
xibility) or `histplot` (an axes-level function for histograms).
  warnings.warn(msg, FutureWarning)
```

Out[4]:
```
<AxesSubplot:xlabel='Fare'>
```



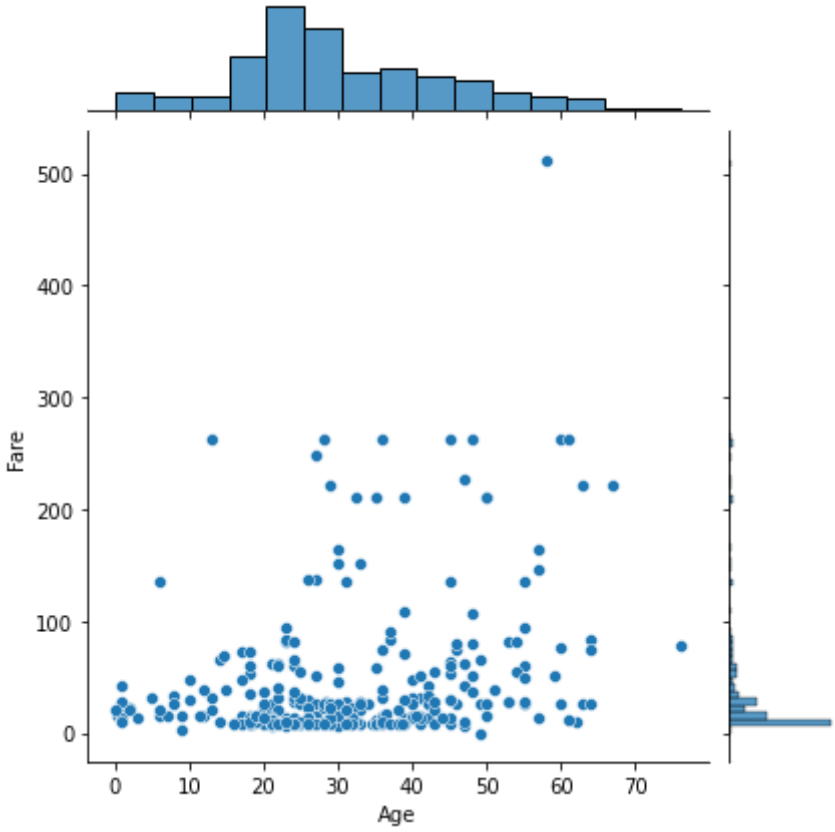
In [5]:
```
sns.distplot(dataset['Fare'], kde=False, bins=10)
```

Out[5]:
```
<AxesSubplot:xlabel='Fare'>
```



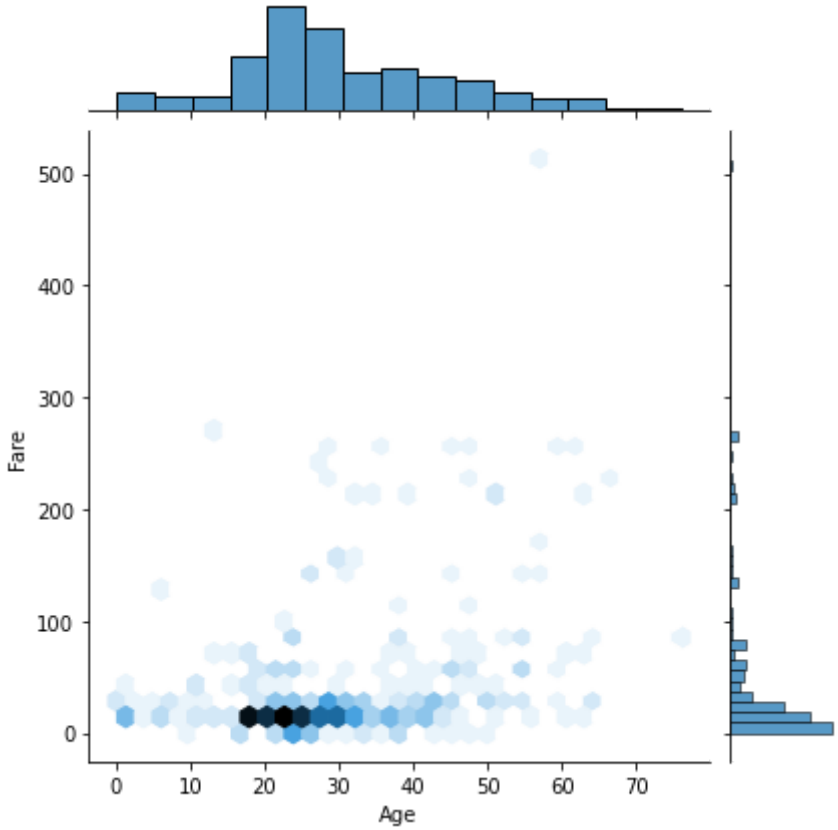
In [6]:
```
sns.jointplot(x='Age', y='Fare', data=dataset)
```

Out[6]:
```
<seaborn.axisgrid.JointGrid at 0x285cf8e2d00>
```



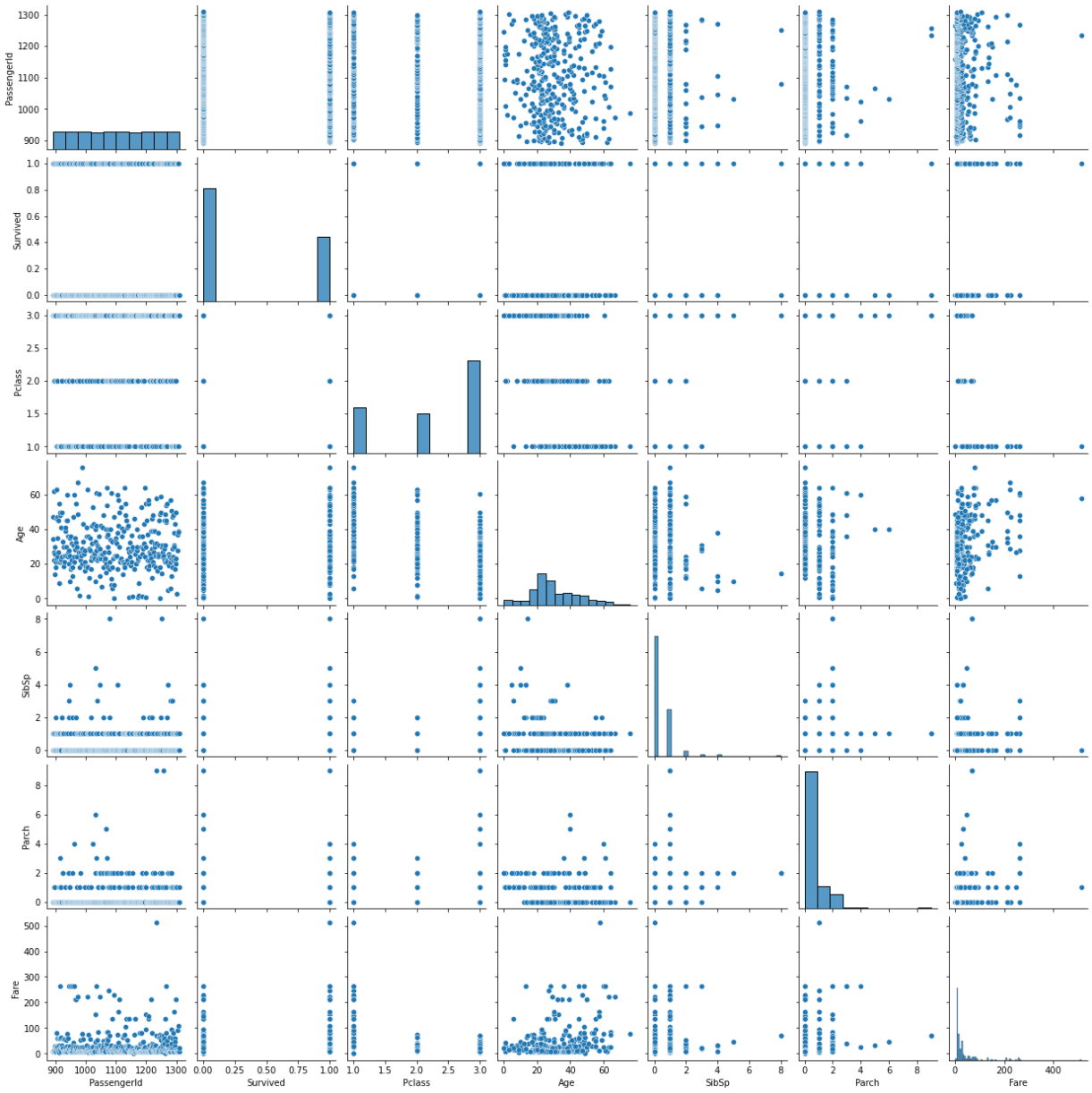
In [7]:
```
sns.jointplot(x='Age', y='Fare', data=dataset, kind='hex')
```

Out[7]:
```
<seaborn.axisgrid.JointGrid at 0x285cf860f10>
```



In [8]:
```
sns.pairplot(dataset)
```

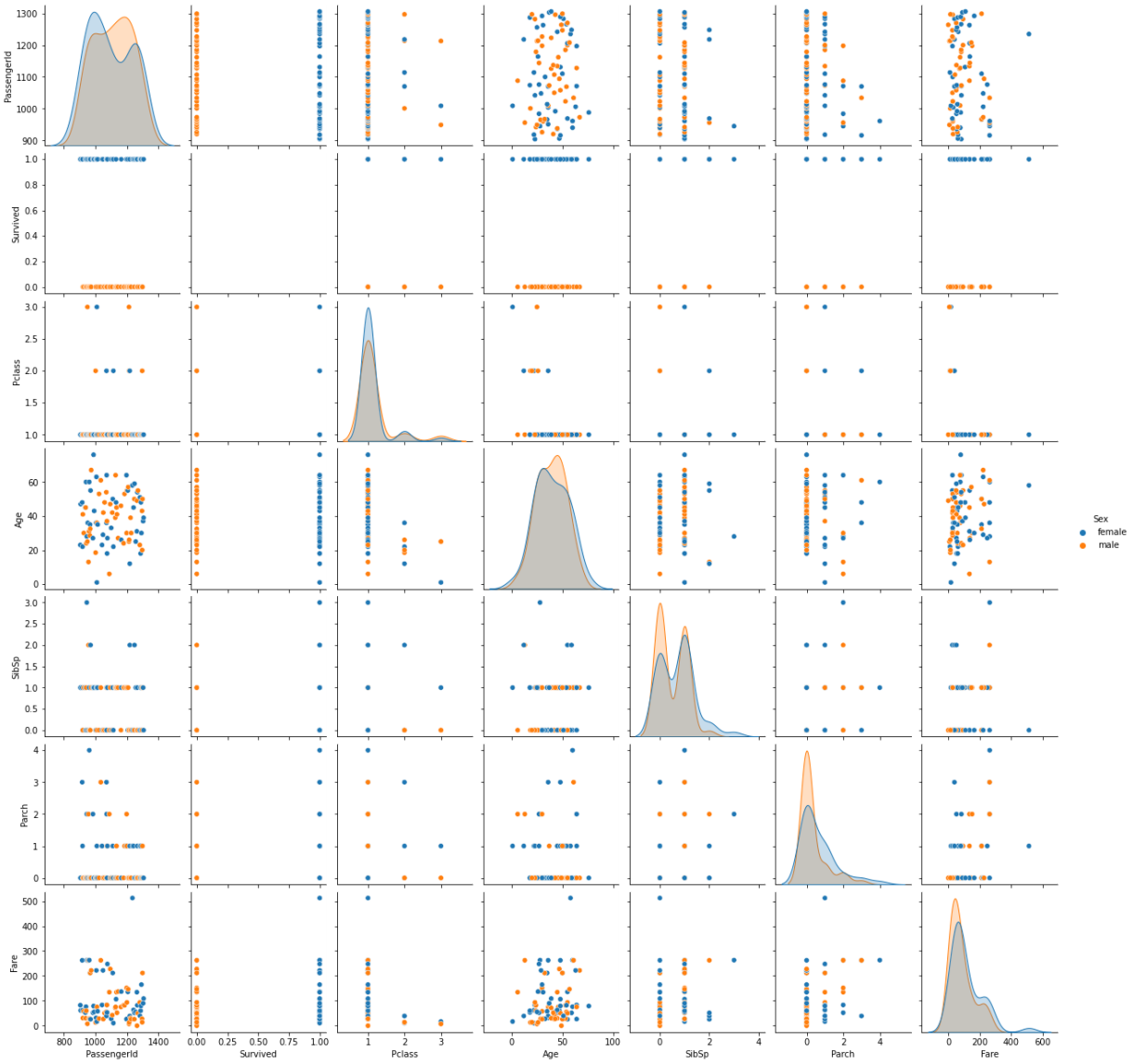
Out[8]:
```
<seaborn.axisgrid.PairGrid at 0x285cfbff0d0>
```



In [9]:
```
dataset = dataset.dropna()
```

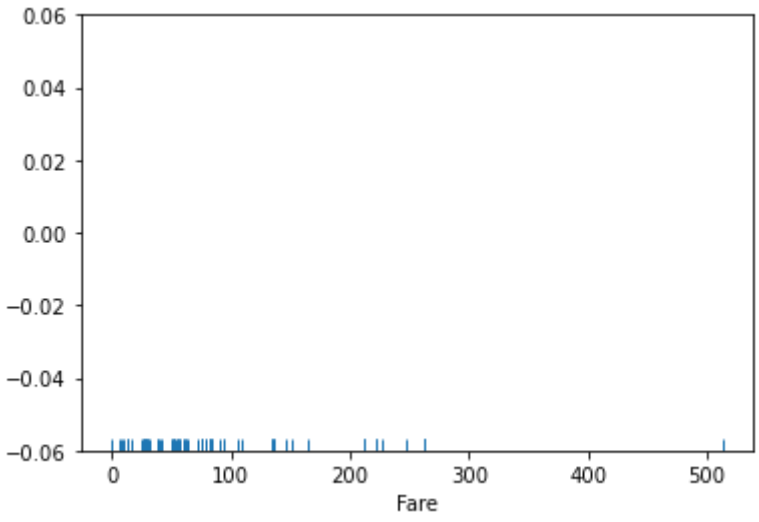
In [10]:
```
sns.pairplot(dataset, hue='Sex')
```

Out[10]:
```
<seaborn.axisgrid.PairGrid at 0x285d26b1c40>
```



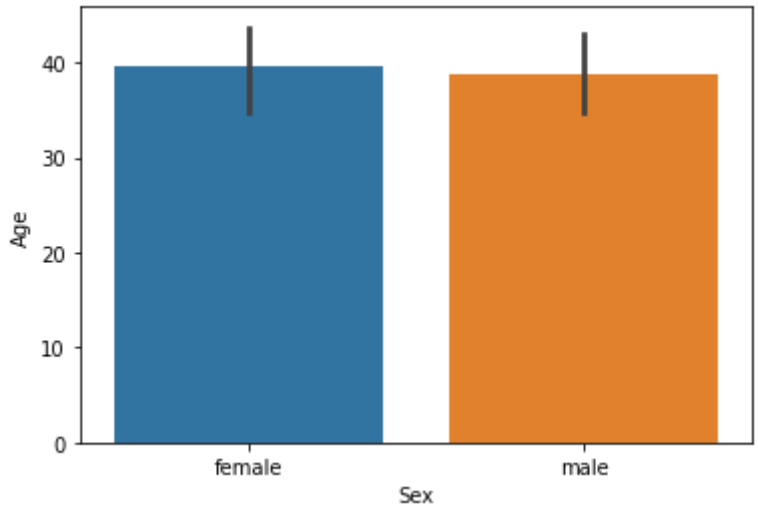
In [11]:
```
sns.rugplot(dataset['Fare'])
```

Out[11]:
```
<AxesSubplot:xlabel='Fare'>
```



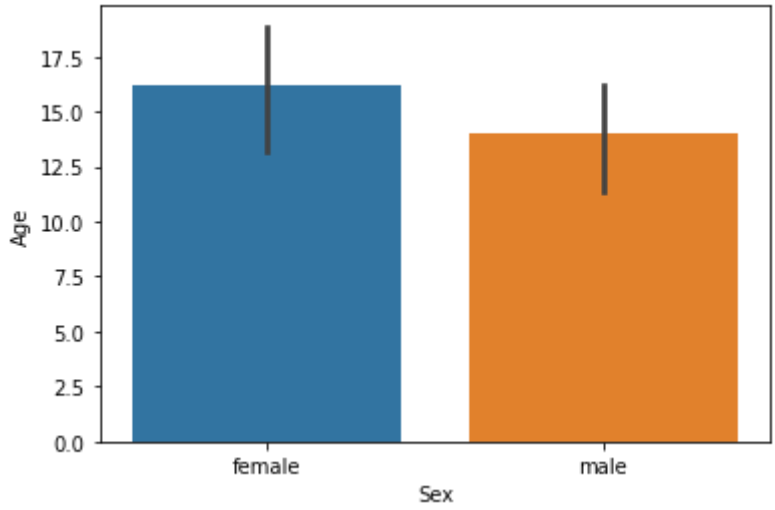
In [12]:
```
sns.barplot(x='Sex', y='Age', data=dataset)
```

Out[12]:
```
<AxesSubplot:xlabel='Sex', ylabel='Age'>
```



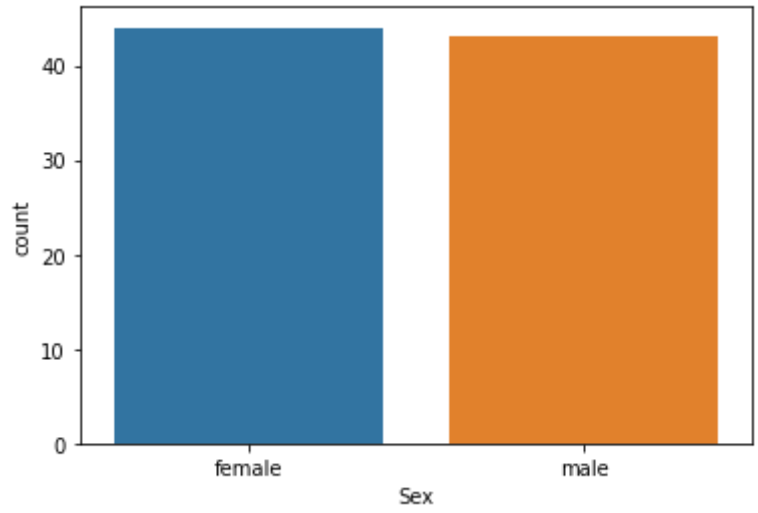
In [13]:
```
import numpy as np

import matplotlib.pyplot as plt
import seaborn as sns
sns.barplot(x='Sex', y='Age', data=dataset, estimator=np.std)
```

Out[13]: <AxesSubplot:xlabel='Sex', ylabel='Age'>



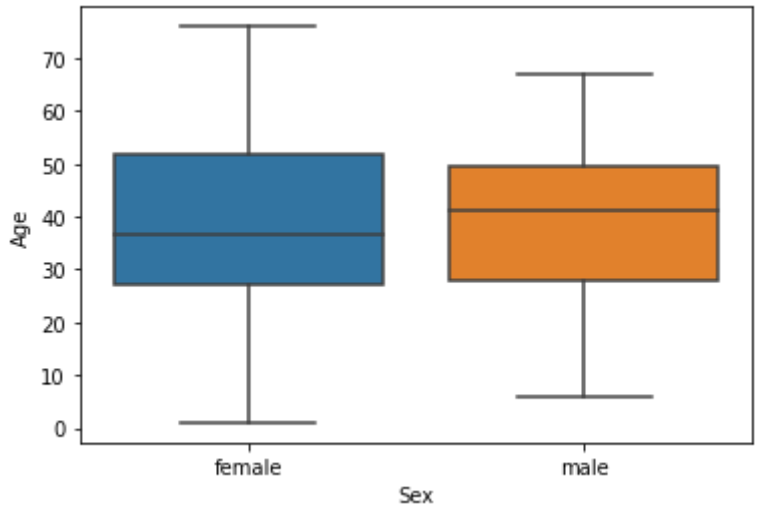
In [14]:
```
sns.countplot(x='Sex', data=dataset)
```

Out[14]: <AxesSubplot:xlabel='Sex', ylabel='count'>



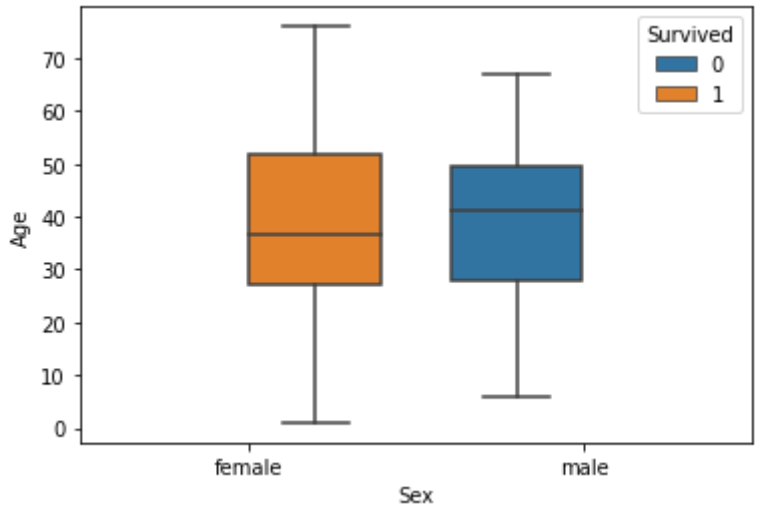
In [15]:
```
sns.boxplot(x='Sex', y='Age', data=dataset)
```

Out[15]:
```
<AxesSubplot:xlabel='Sex', ylabel='Age'>
```



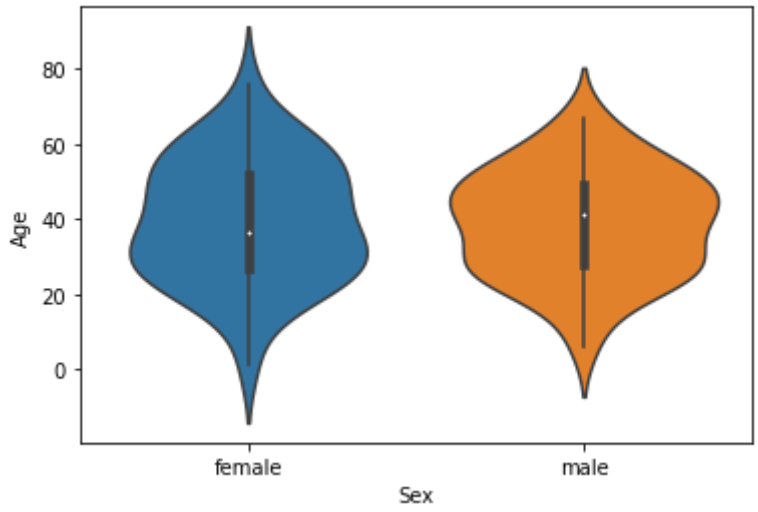
In [16]:
```
sns.boxplot(x='Sex', y='Age', data=dataset, hue="Survived")
```

Out[16]:
```
<AxesSubplot:xlabel='Sex', ylabel='Age'>
```



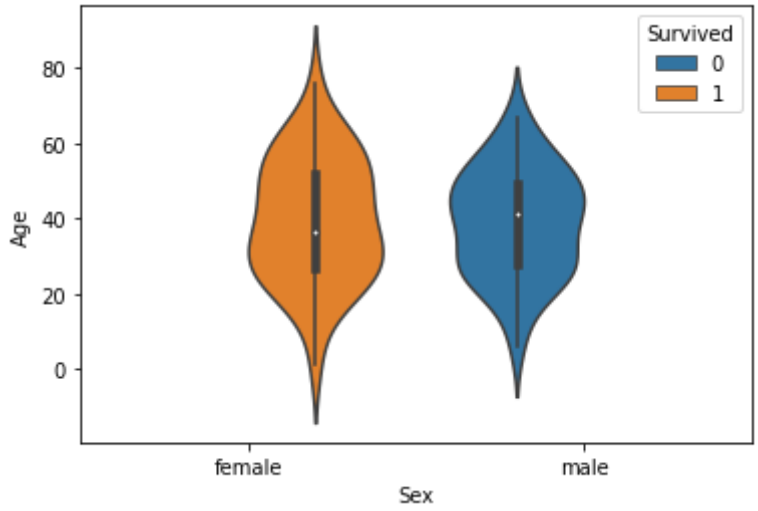
In [17]:
```
sns.violinplot(x='Sex', y='Age', data=dataset)
```

Out[17]:
```
<AxesSubplot:xlabel='Sex', ylabel='Age'>
```



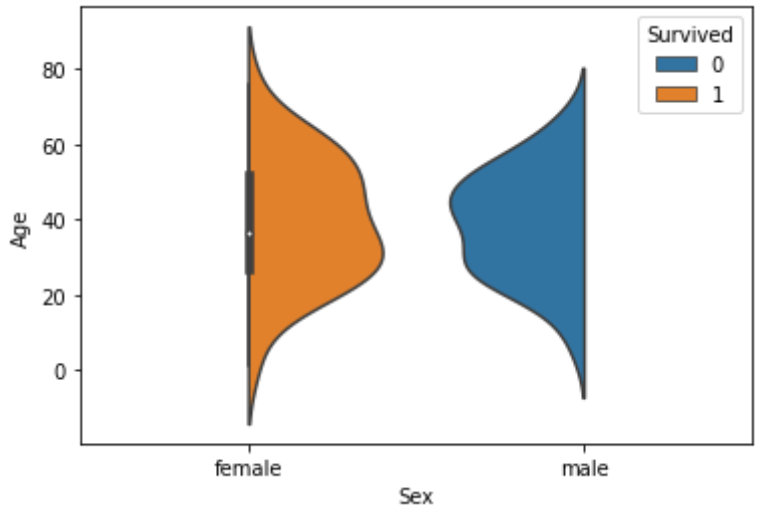
In [18]:
```
sns.violinplot(x='Sex', y='Age', data=dataset, hue='Survived')
```

Out[18]:
```
<AxesSubplot:xlabel='Sex', ylabel='Age'>
```



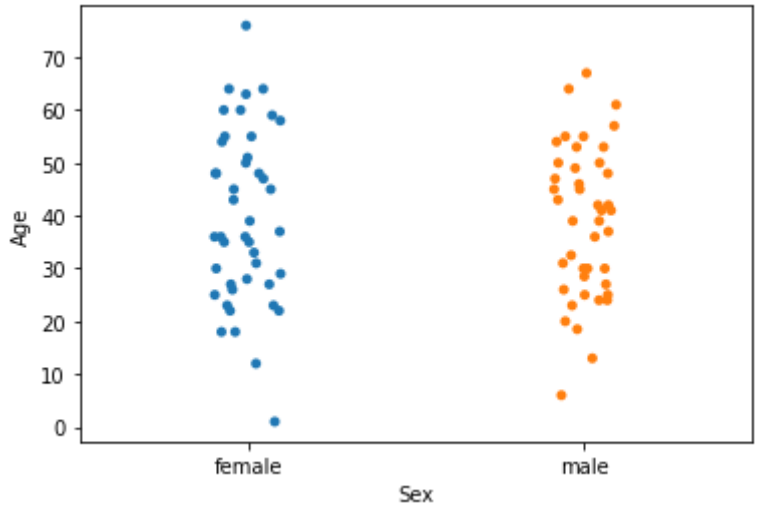
In [19]:
```
sns.violinplot(x='Sex', y='Age', data=dataset, hue='Survived', split=True)
```

Out[19]:
```
<AxesSubplot:xlabel='Sex', ylabel='Age'>
```



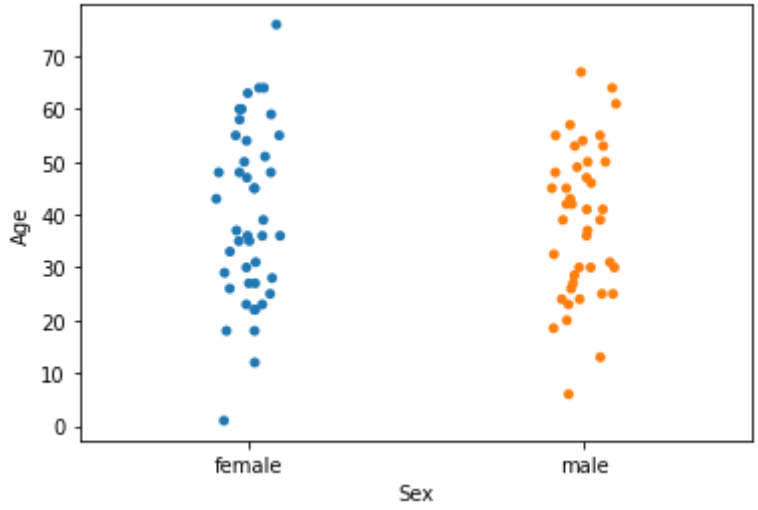
In [20]:
```
sns.stripplot(x='Sex', y='Age', data=dataset)
```

Out[20]: <AxesSubplot:xlabel='Sex', ylabel='Age'>



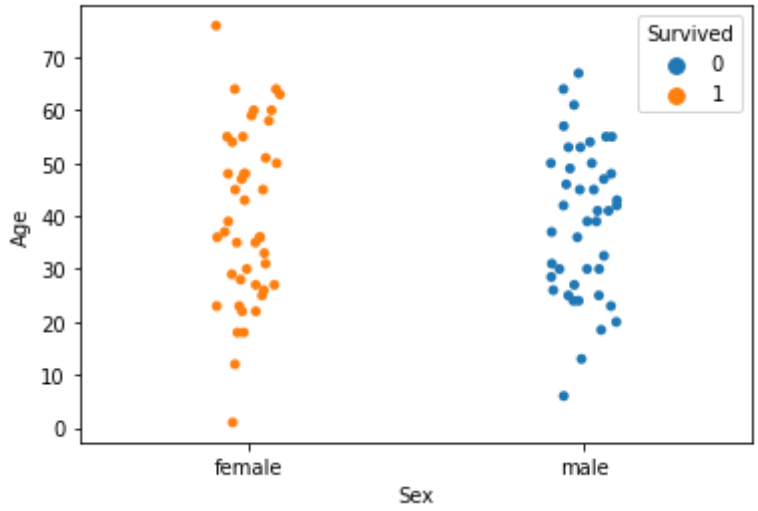
In [21]:
```
sns.stripplot(x='Sex', y='Age', data=dataset, jitter=True)
```

Out[21]: <AxesSubplot:xlabel='Sex', ylabel='Age'>



In [22]:
```
sns.stripplot(x='Sex', y='Age', data=dataset, jitter=True, hue='Survived')
```

Out[22]: <AxesSubplot:xlabel='Sex', ylabel='Age'>

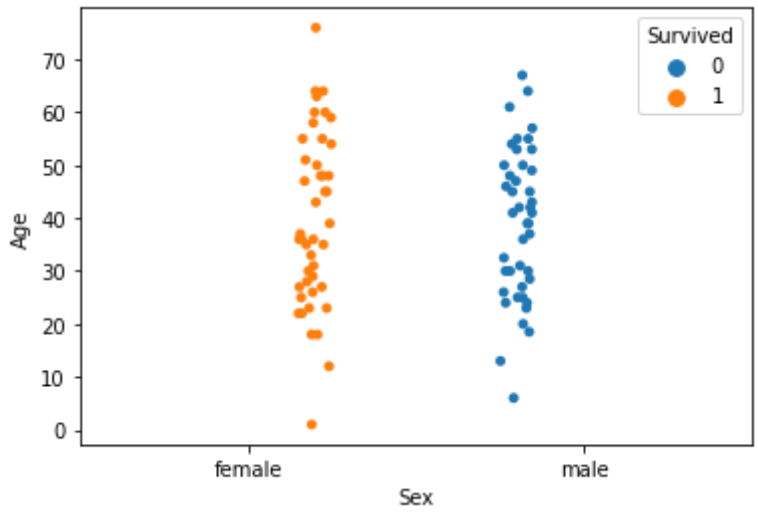


In [23]:
```
sns.stripplot(x='Sex', y='Age', data=dataset, jitter=True,
```

```
    hue='Survived', split=True)
```

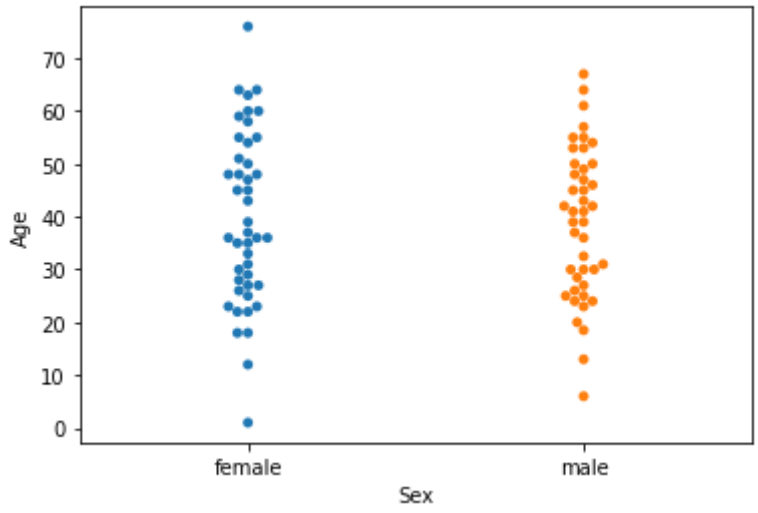
```
C:\Users\hp\anaconda3\lib\site-packages\seaborn\categorical.py:2805: UserWarning: Th
e `split` parameter has been renamed to `dodge`.
  warnings.warn(msg, UserWarning)
```

Out[23]:
```
<AxesSubplot:xlabel='Sex', ylabel='Age'>
```



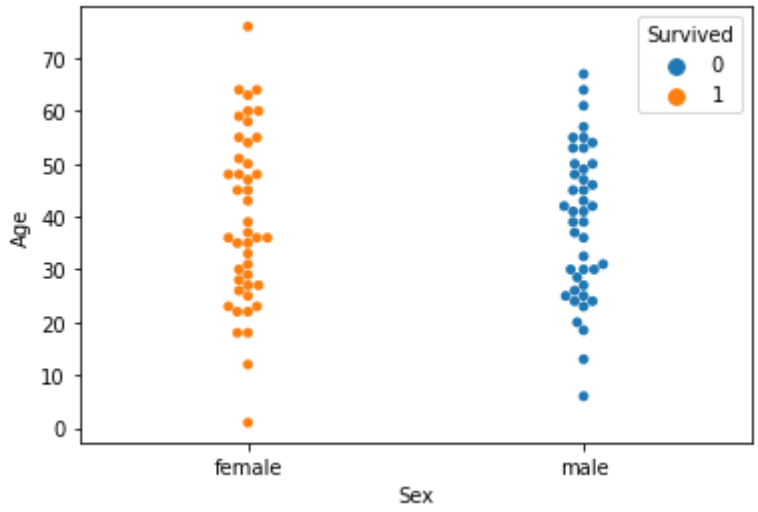
In [24]:
```
sns.swarmplot(x='Sex', y='Age', data=dataset)
```

Out[24]:
```
<AxesSubplot:xlabel='Sex', ylabel='Age'>
```



In [25]:
```
sns.swarmplot(x='Sex', y='Age', data=dataset, hue='Survived')
```

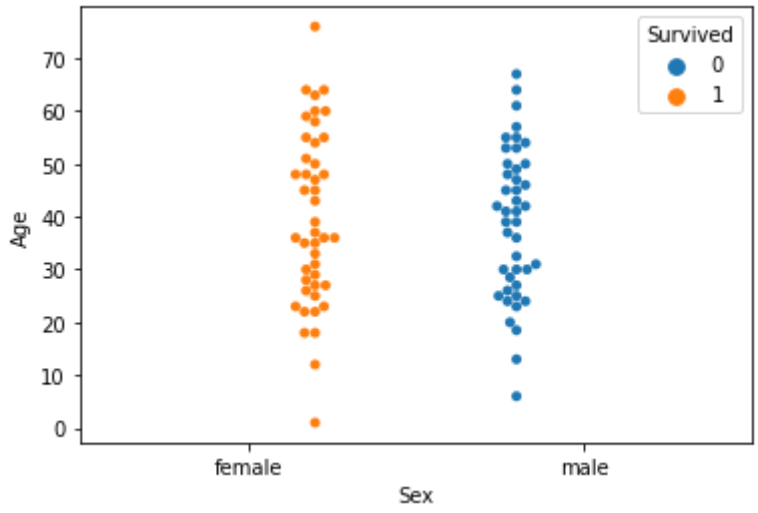
Out[25]:
```
<AxesSubplot:xlabel='Sex', ylabel='Age'>
```



In [26]:
```
sns.swarmplot(x='Sex', y='Age', data=dataset, hue='Survived', split=True)
```

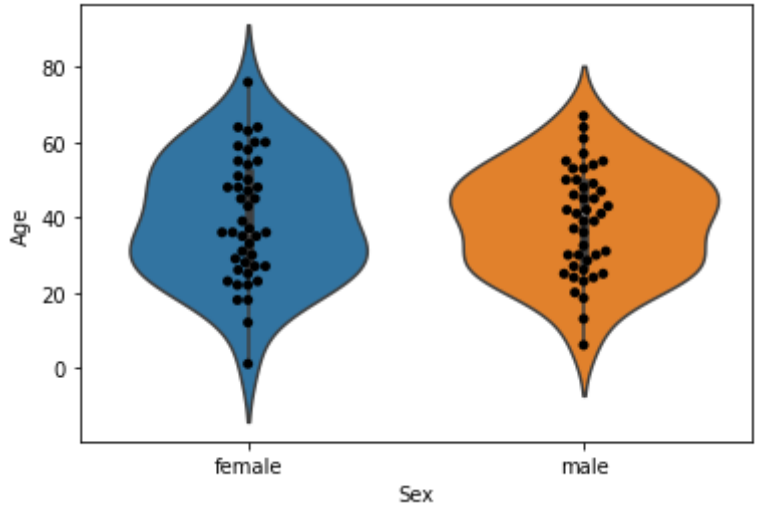
```
C:\Users\hp\anaconda3\lib\site-packages\seaborn\categorical.py:3002: UserWarning: Th
e `split` parameter has been renamed to `dodge`.
  warnings.warn(msg, UserWarning)
```

Out[26]:
```
<AxesSubplot:xlabel='Sex', ylabel='Age'>
```



In [27]:
```
sns.violinplot(x='Sex', y='Age', data=dataset)
sns.swarmplot(x='Sex', y='Age', data=dataset, color='black')
```

Out[27]:
```
<AxesSubplot:xlabel='Sex', ylabel='Age'>
```



In [ ]: