

```
pip install seaborn
```

```

Requirement already satisfied: seaborn in /usr/local/lib/python3.7/dist-packages (0.11.2)
Requirement already satisfied: pandas>=0.23 in /usr/local/lib/python3.7/dist-packages (from seaborn) (1.1.5)
Requirement already satisfied: matplotlib>=2.2 in /usr/local/lib/python3.7/dist-packages (from seaborn) (3.3.3)
Requirement already satisfied: numpy>=1.15 in /usr/local/lib/python3.7/dist-packages (from seaborn) (1.21.0)
Requirement already satisfied: scipy>=1.0 in /usr/local/lib/python3.7/dist-packages (from seaborn) (1.7.3)
Requirement already satisfied: pyparsing!=2.0.4,!=2.1.2,!=2.1.6,>=2.0.1 in /usr/local/lib/python3.7/dist-packages (from matplotlib>=2.2) (2.4.7)
Requirement already satisfied: kiwisolver>=1.0.1 in /usr/local/lib/python3.7/dist-packages (from matplotlib>=2.2) (1.4.5)
Requirement already satisfied: python-dateutil>=2.1 in /usr/local/lib/python3.7/dist-packages (from matplotlib>=2.2) (2.8.2)
Requirement already satisfied: cycler>=0.10 in /usr/local/lib/python3.7/dist-packages (from matplotlib>=2.2) (0.11.0)
Requirement already satisfied: typing-extensions in /usr/local/lib/python3.7/dist-packages (from kiwisolver>=1.0.1) (4.1.1)
Requirement already satisfied: pytz>=2017.3 in /usr/local/lib/python3.7/dist-packages (from python-dateutil>=2.1) (2022.1)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.7/dist-packages (from python-dateutil>=2.1) (1.16.0)

```

```
import pandas as pd
import numpy as np
```

```
import matplotlib.pyplot as plt
import seaborn as sns
```

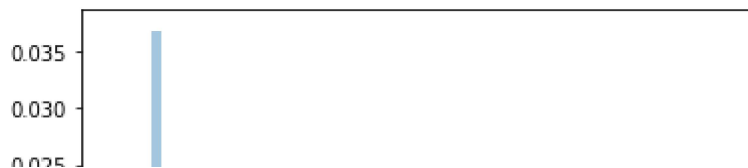
```
dataset = sns.load_dataset('titanic')
```

```
dataset.head()
```

	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	
1	1	1	female	38.0	1	0	71.2833	C	First	woman	F
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	F
3	1	1	female	35.0	1	0	53.1000	S	First	woman	F
4	0	3	male	35.0	0	0	8.0500	S	Third	man	

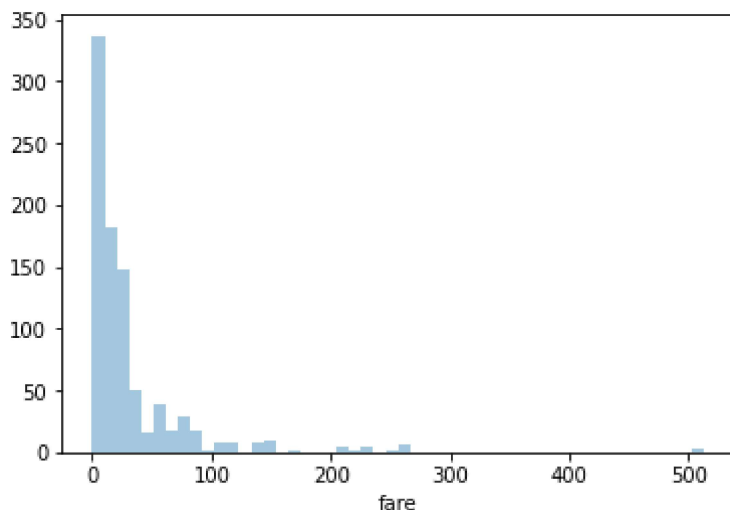
```
sns.distplot(dataset['fare'])
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/distributions.py:2619: FutureWarning: `di
warnings.warn(msg, FutureWarning)
<matplotlib.axes._subplots.AxesSubplot at 0x7f96c66df3d0>
```



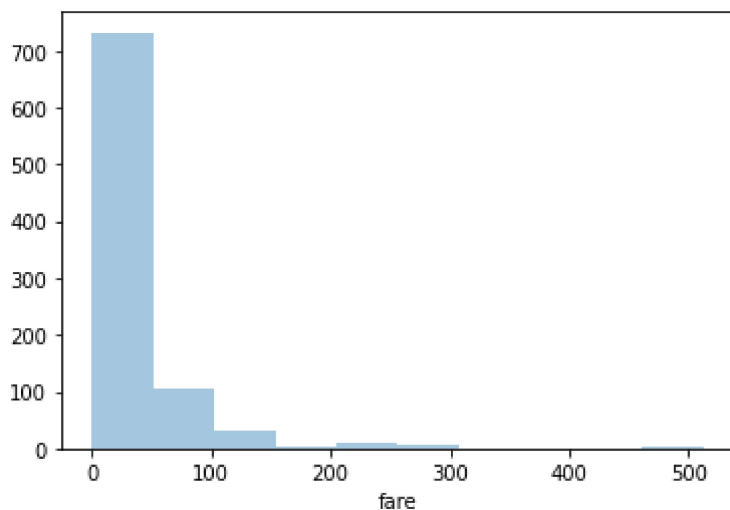
```
sns.distplot(dataset['fare'], kde=False)
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/distributions.py:2619: FutureWarning: `di
warnings.warn(msg, FutureWarning)
<matplotlib.axes._subplots.AxesSubplot at 0x7f96c40ab1d0>
```



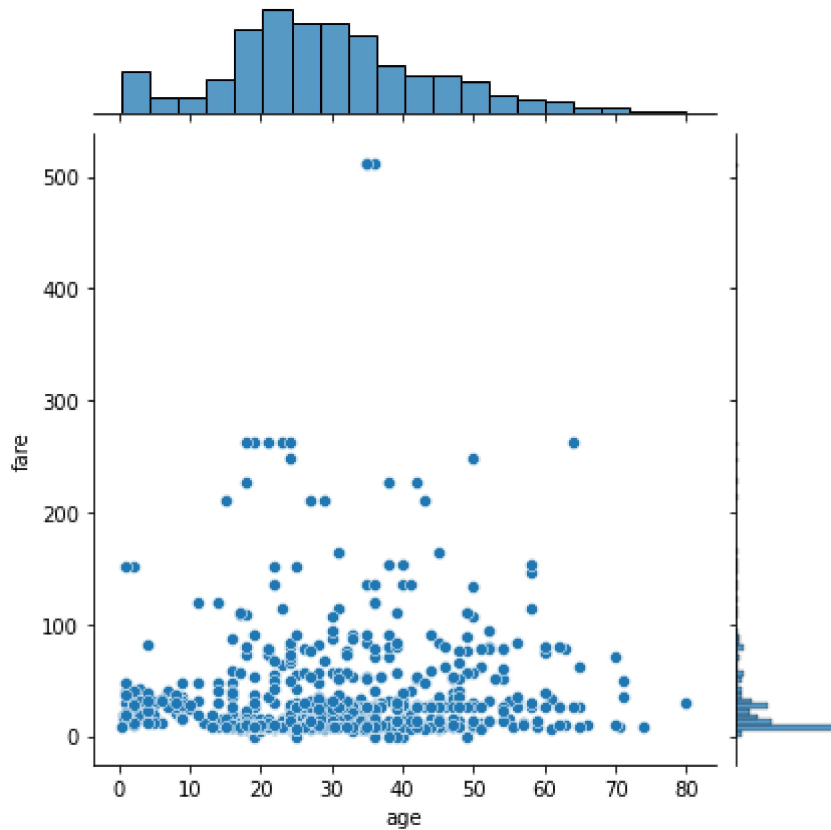
```
sns.distplot(dataset['fare'], kde=False, bins=10)
```

```
/usr/local/lib/python3.7/dist-packages/seaborn/distributions.py:2619: FutureWarning: `di
warnings.warn(msg, FutureWarning)
<matplotlib.axes._subplots.AxesSubplot at 0x7f96c3fb1810>
```



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

```
<seaborn.axisgrid.JointGrid at 0x7f96c3fc5950>
```



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

```
sns.pairplot(dataset)
```

```

-----
KeyError                                Traceback (most recent call last)
/usr/local/lib/python3.7/dist-packages/numpy/lib/histograms.py in
_unsigned_subtract(a, b)
    350     try:
--> 351         dt = signed_to_unsigned[dt.type]
    352     except KeyError:

```

KeyError: <class 'numpy.bool_'>

During handling of the above exception, another exception occurred:

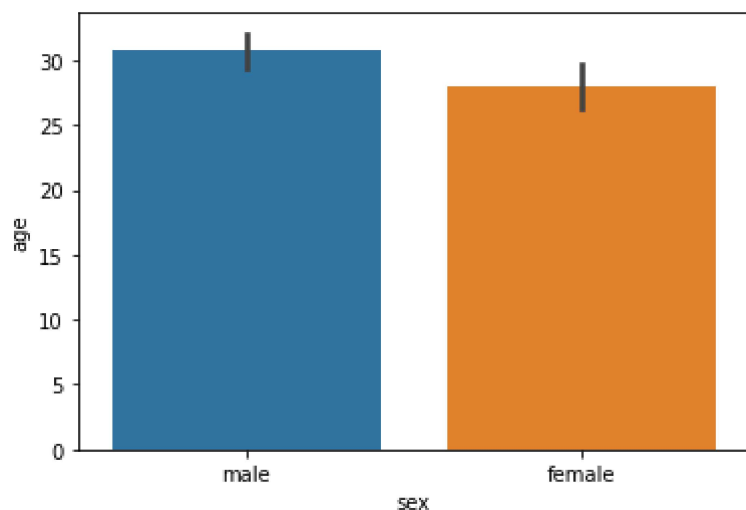
```

TypeError                                Traceback (most recent call last)

```

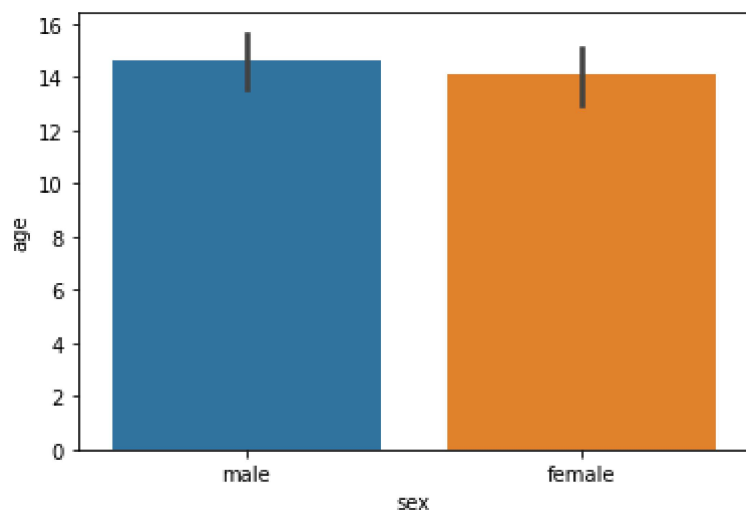
```
sns.barplot(x='sex', y='age', data=dataset)
```

<matplotlib.axes._subplots.AxesSubplot at 0x7f96bf883790>



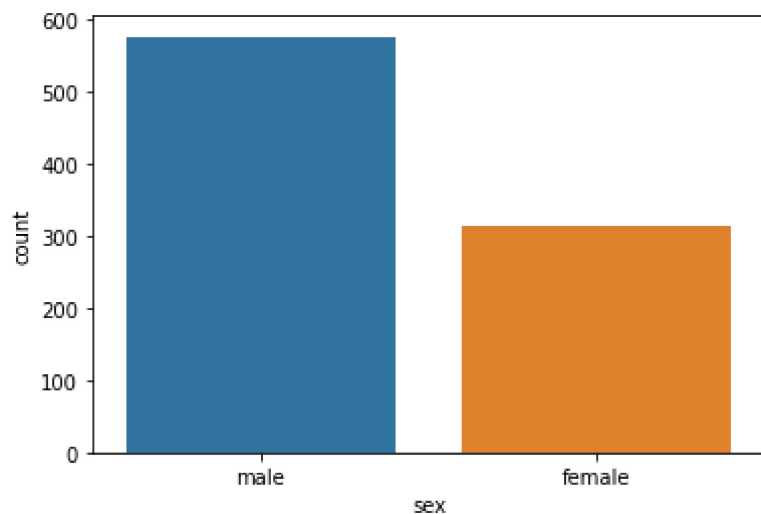
```
sns.barplot(x='sex', y='age', data=dataset, estimator=np.std)
```

<matplotlib.axes._subplots.AxesSubplot at 0x7f96bf67e950>



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

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f96bf67e790>
```



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

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f96bf606c50>
```

