

ASSIGNMENT - 8

```
In [1]: import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

```
In [3]: dataset = sns.load_dataset('titanic')
dataset.head()
```

```
Out[3]:
```

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	w
0	0	3	male	22.0	1	0	7.2500	S	Third	n
1	1	1	female	38.0	1	0	71.2833	C	First	won
2	1	3	female	26.0	0	0	7.9250	S	Third	won
3	1	1	female	35.0	1	0	53.1000	S	First	won
4	0	3	male	35.0	0	0	8.0500	S	Third	n

```
In [4]: sns.distplot(dataset['fare'])
```

C:\Users\admin\AppData\Local\Temp\ipykernel_4720\1694218074.py:1: UserWarning:

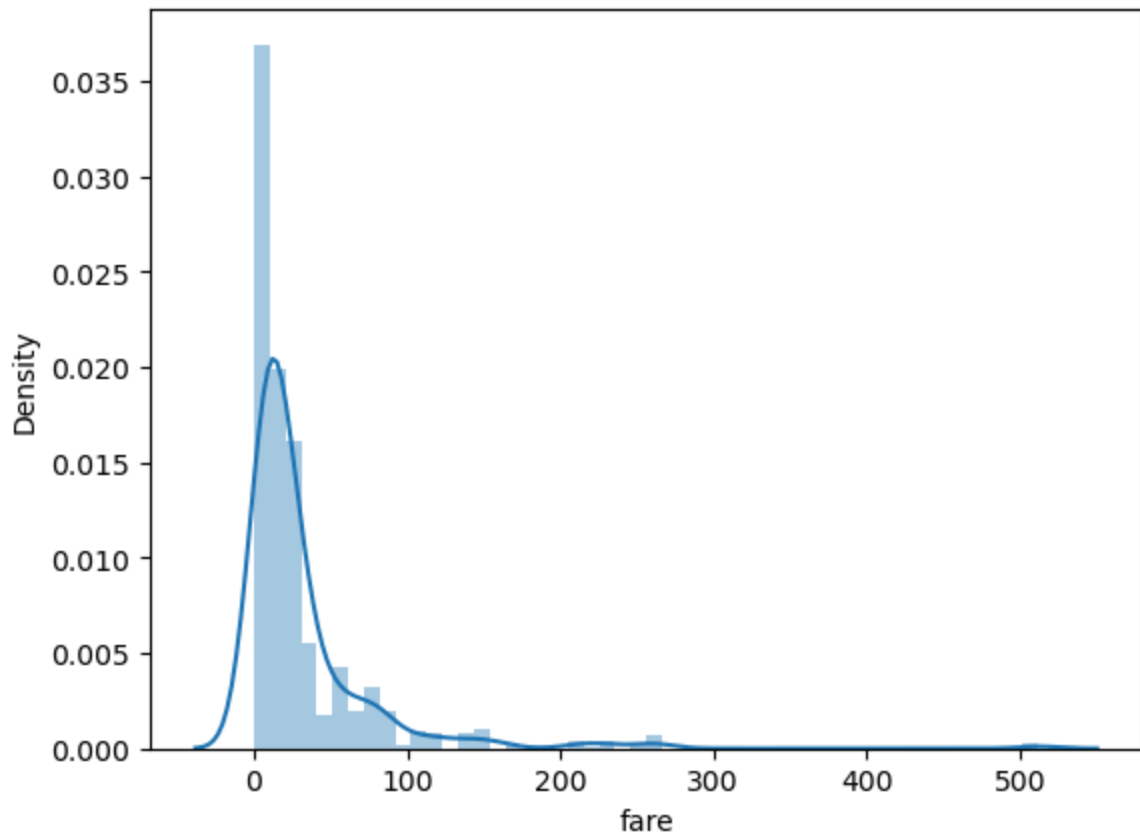
`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see <https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751>

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

```
Out[4]: <Axes: xlabel='fare', ylabel='Density'>
```



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

C:\Users\admin\AppData\Local\Temp\ipykernel_4720\1623915515.py:1: UserWarning:

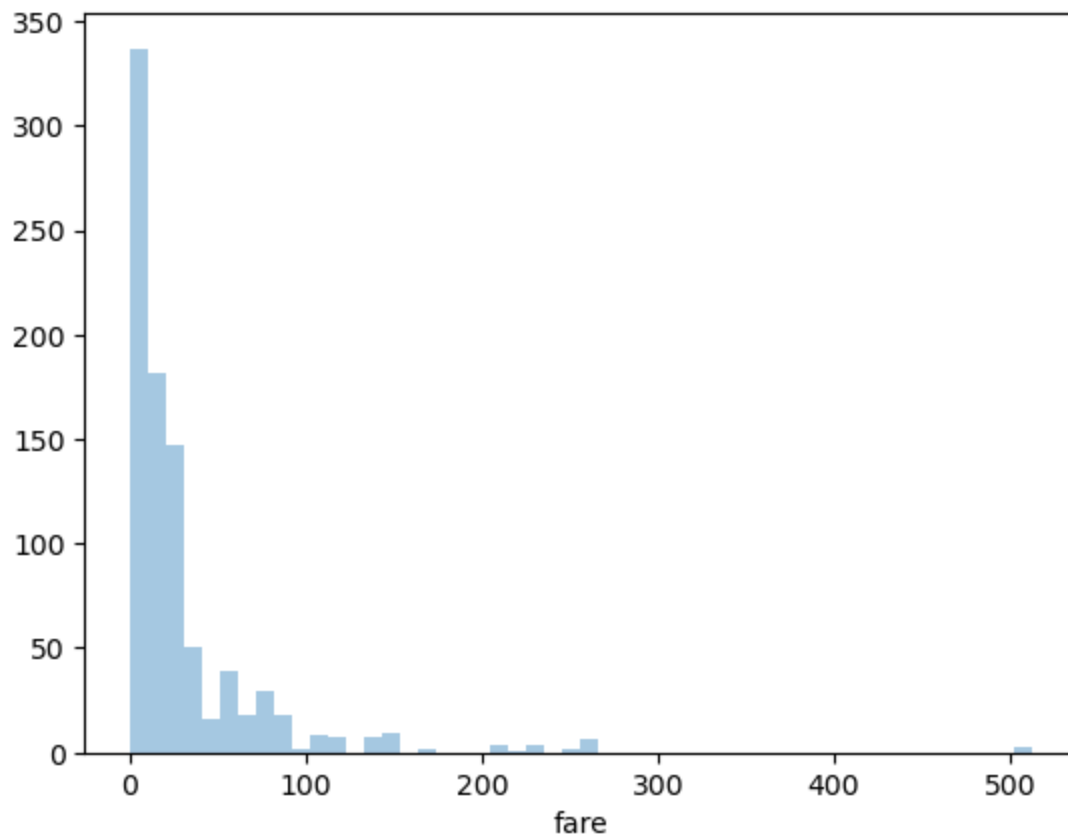
`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

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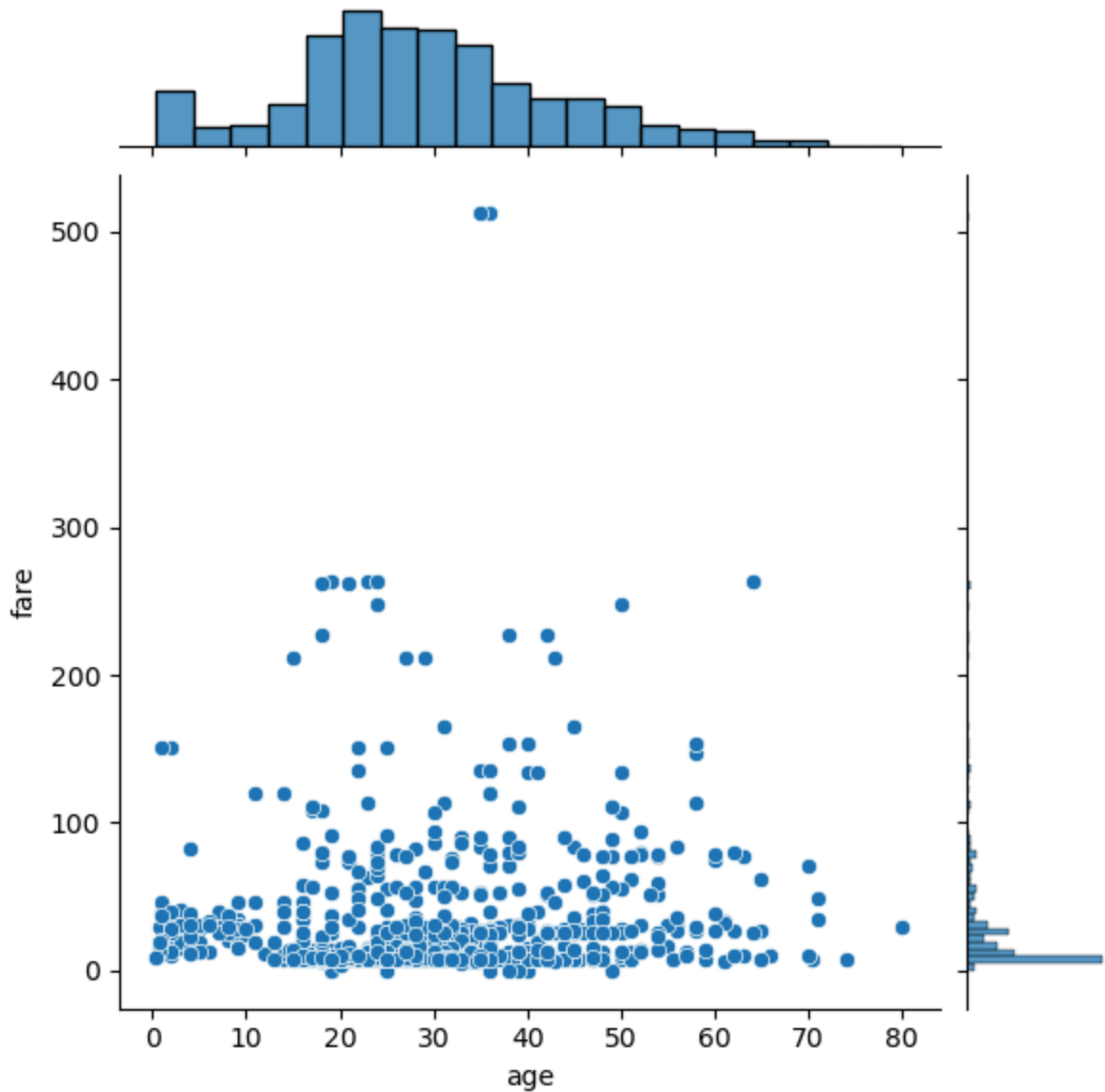
```
sns.distplot(dataset['fare'], kde=False)
```

```
Out[5]: <Axes: xlabel='fare'>
```



```
In [6]: #You can also pass the value for the bins parameter in order to see more or  
sns.jointplot(x='age', y='fare', data=dataset)
```

```
Out[6]: <seaborn.axisgrid.JointGrid at 0xf559f17560>
```



```
In [7]: sns.distplot(dataset['fare'], kde=False, bins=10)
```

C:\Users\admin\AppData\Local\Temp\ipykernel_4720\1857470142.py:1: UserWarning:

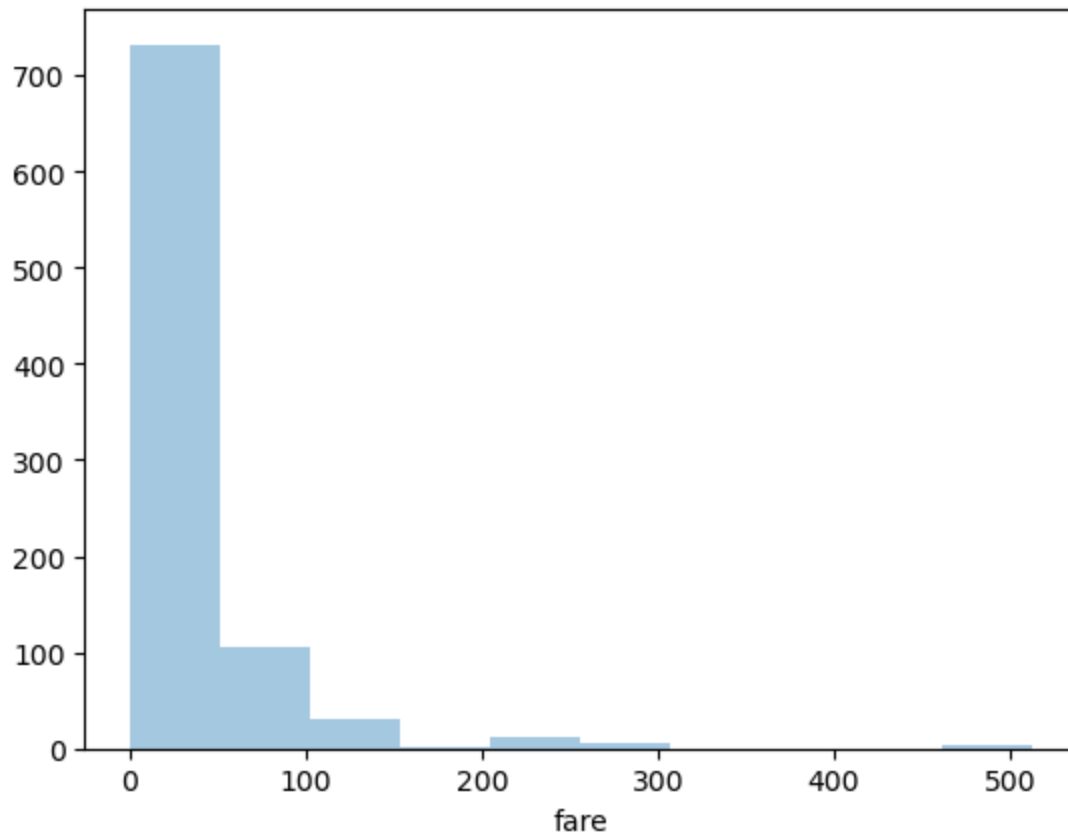
`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see <https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751>

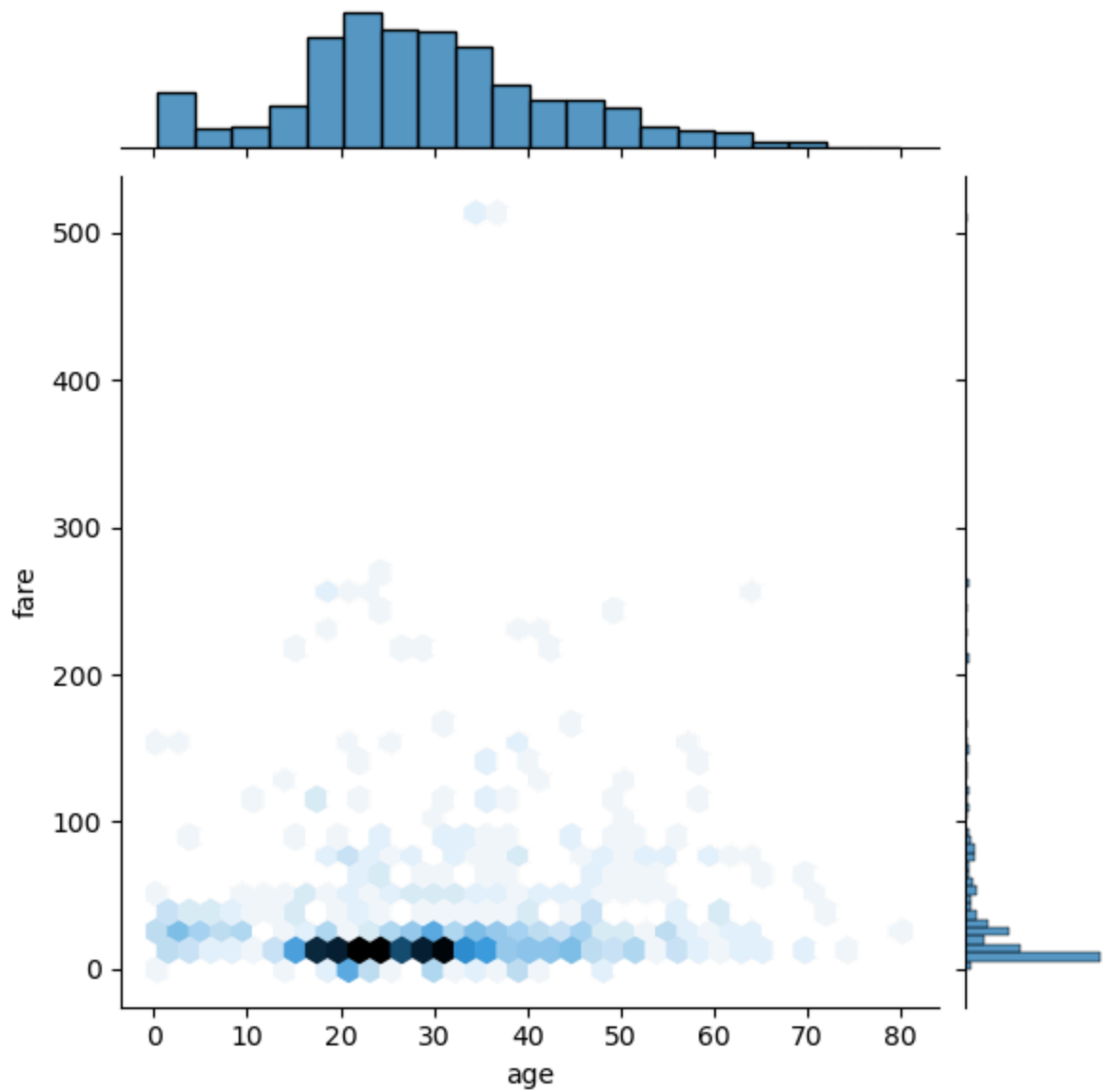
```
sns.distplot(dataset['fare'], kde=False, bins=10)
```

```
Out[7]: <Axes: xlabel='fare'>
```



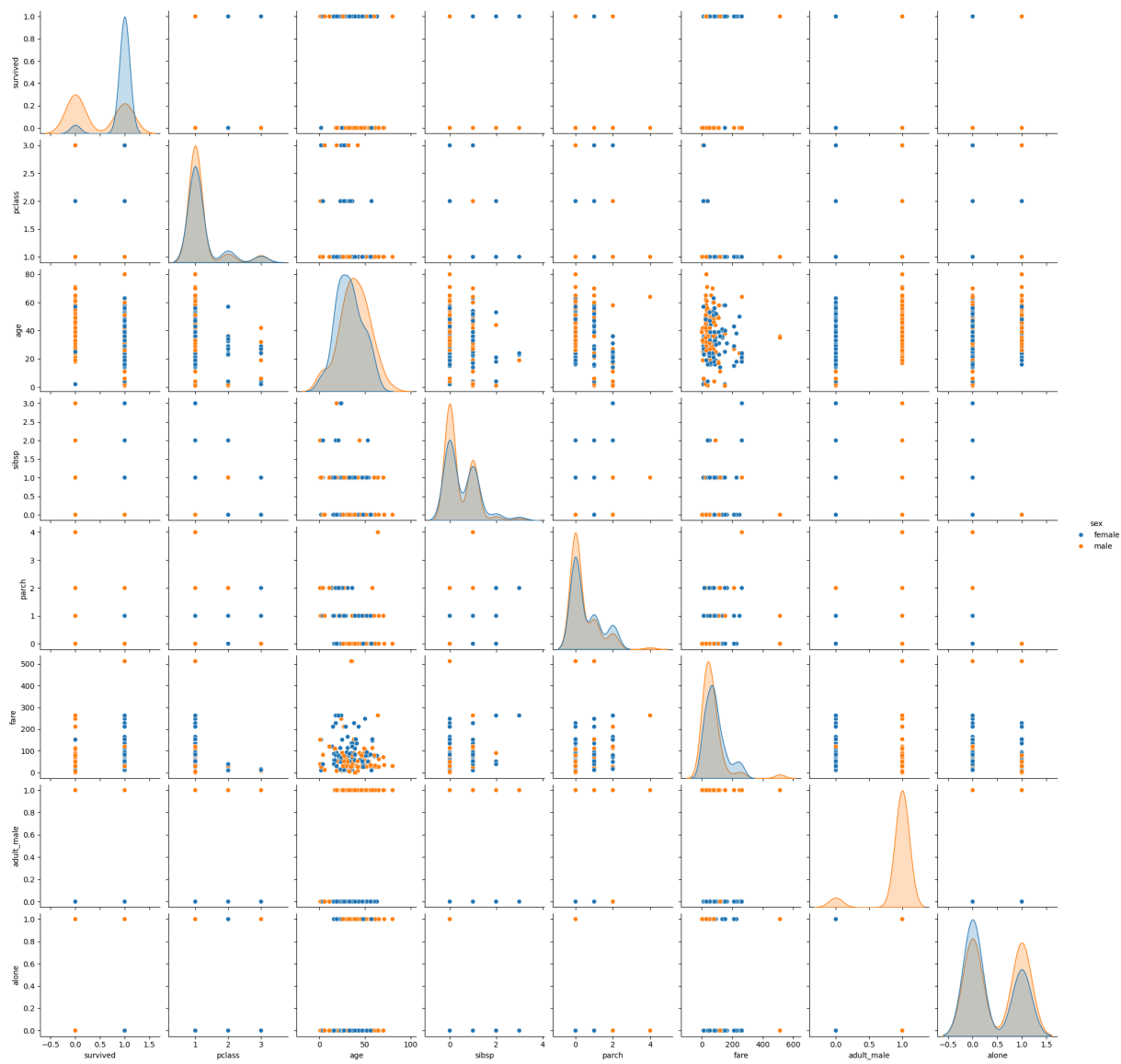
```
In [8]: sns.jointplot(x='age', y='fare', data=dataset, kind='hex')
```

```
Out[8]: <seaborn.axisgrid.JointGrid at 0xf55ec99a30>
```



```
In [9]: #The Pair Plot The pairplot() is a type of distribution plot that basically
dataset = dataset.dropna()
sns.pairplot(dataset, hue='sex')
```

```
Out[9]: <seaborn.axisgrid.PairGrid at 0xf558f61ca0>
```



```
In [ ]: #The rugplot() is used to draw small bars along x-axis for each point in the
sns.rugplot(dataset['fare'])
```