Step 1: Importing the Libraries

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

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

Step 2: Importing the dataset

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

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck	embar
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN	South
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C	Ch
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	NaN	South
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C	South
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN	South

Step 3: Plotting different graphs

Distplot

```python
sns.distplot(x = dataset["age"], bins = 10)
```

```
<ipython-input-3-f04cf186fe1d>: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(x = dataset["age"], bins = 10)
<Axes: ylabel='Density'>
```
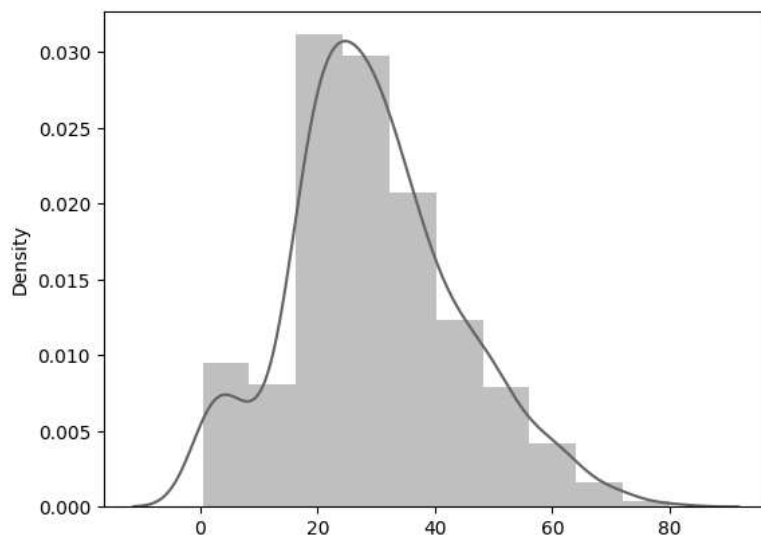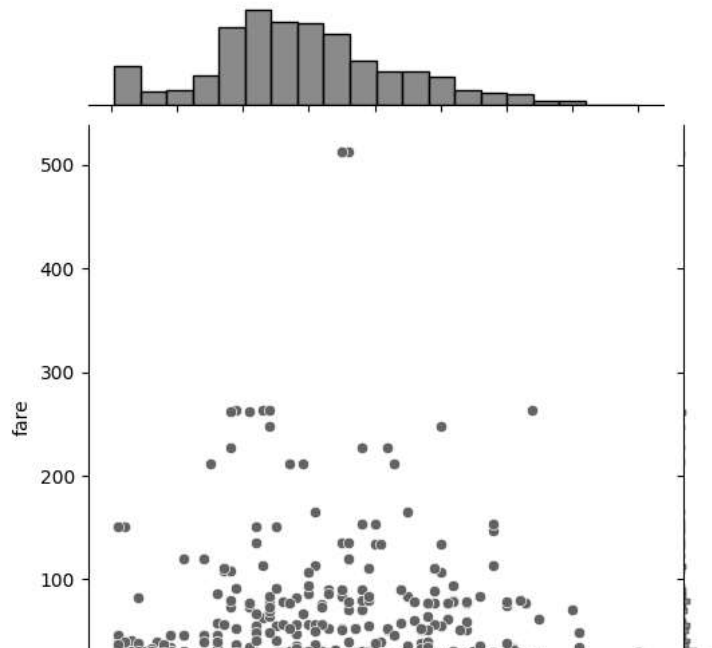

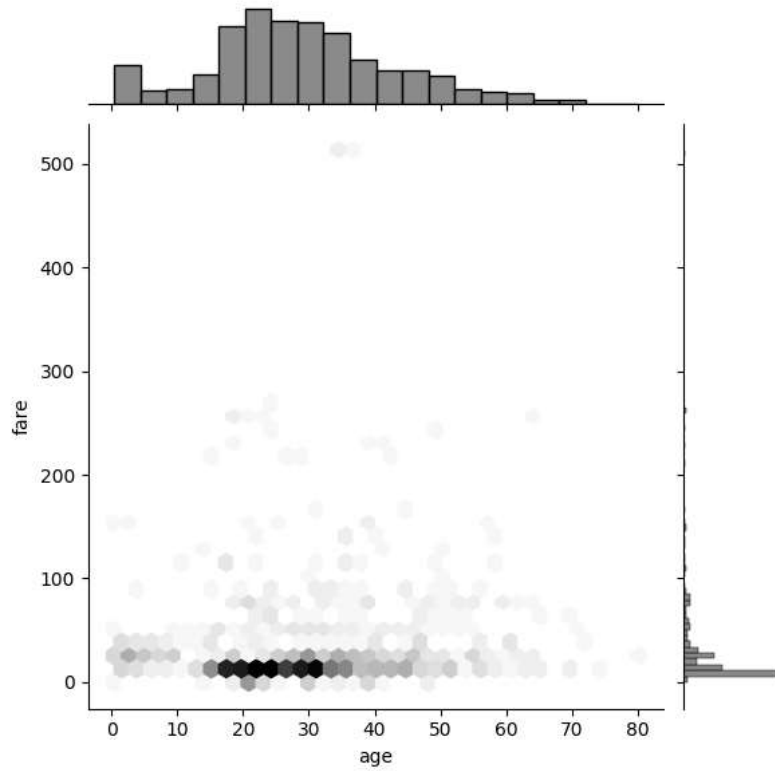### Joint Plot

```python
sns.jointplot(x=dataset["age"],y=dataset["fare"],kind="scatter")
```

<seaborn.axisgrid.JointGrid at 0x7fb902f22a30>


```
sns.jointplot(x = dataset["age"], y = dataset["fare"], kind = "hex")
```
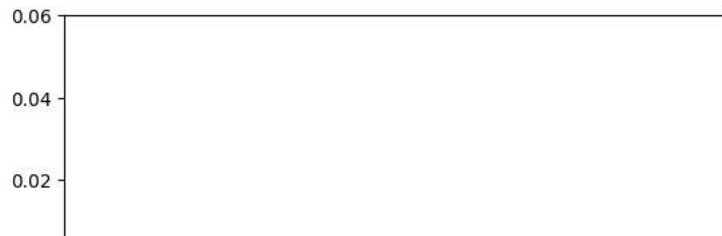
<seaborn.axisgrid.JointGrid at 0x7fb8fe2daeb0>

Rug Plot

```
sns.rugplot(dataset["fare"])
```
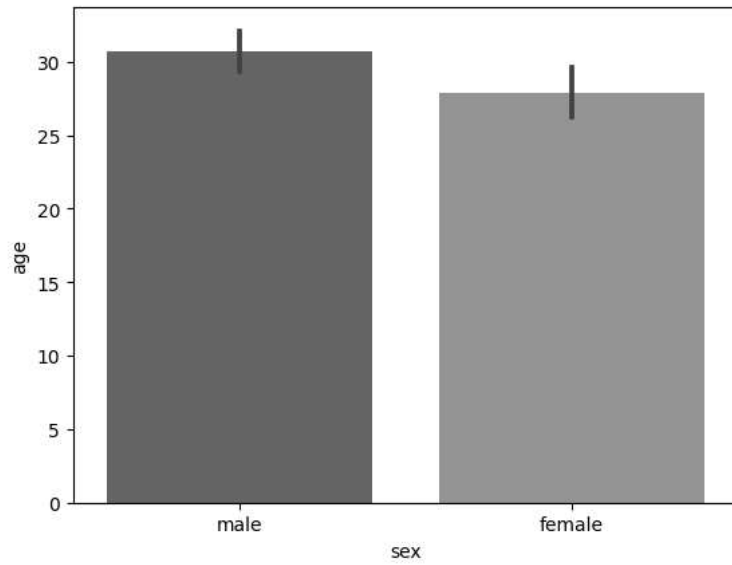
```
<Axes: xlabel='fare'>
```


Bar Plot

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

```
<Axes: xlabel='sex', ylabel='age'>
```


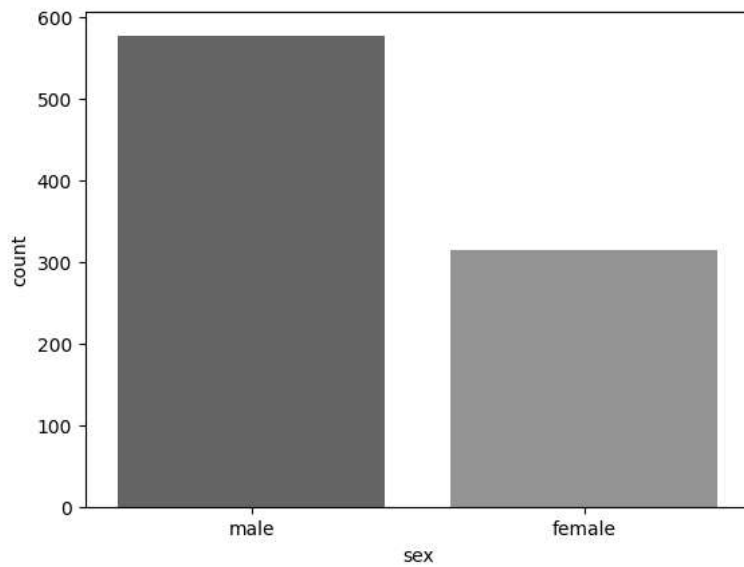## Count Plot

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

```
<Axes: xlabel='sex', ylabel='count'>
```
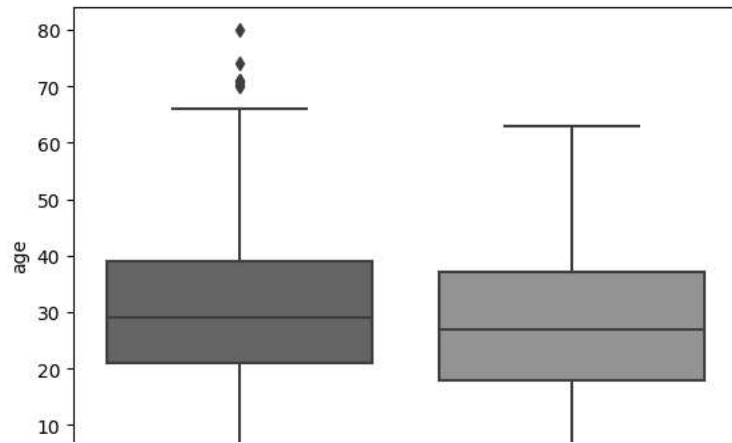

Box Plot

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

```
<Axes: xlabel='sex', ylabel='age'>
```


Violin Plot

```
sns.violinplot(x="sex", y="age", data=dataset)
```

```
<Axes: xlabel='sex', ylabel='age'>
```


Strip Plot

```
sns.stripplot(x="sex", y="age", data=dataset, jitter=False)
```
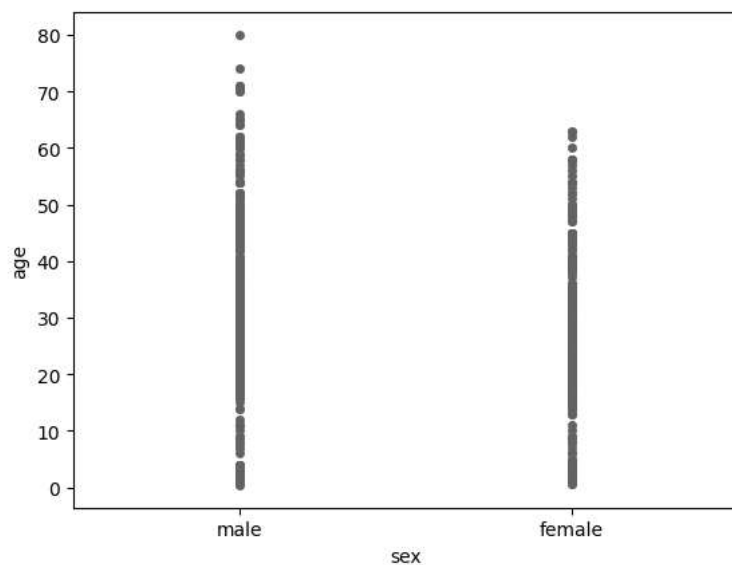
```
<Axes: xlabel='sex', ylabel='age'>
```


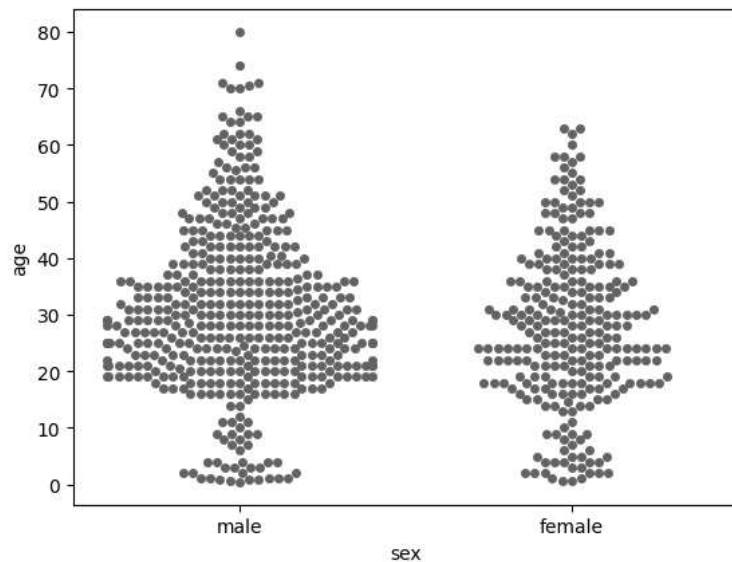## Swarm Plot

```
sns.swarmplot(x="sex", y="age", data=dataset)
```

```
<Axes: xlabel='sex', ylabel='age'>
```


Heat Maps

```
dataset = sns.load_dataset("titanic")
dataset.head()
```

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck	embar
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN	South
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C	Ch
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	NaN	South
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C	South
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN	South

```
corr = dataset.corr()
sns.heatmap(corr)
```

```
<ipython-input-14-e5d4408dc1e8>:1: FutureWarning: The default value of numeric_only in DataFrame.corr i
  corr = dataset.corr()
<Axes: >
```
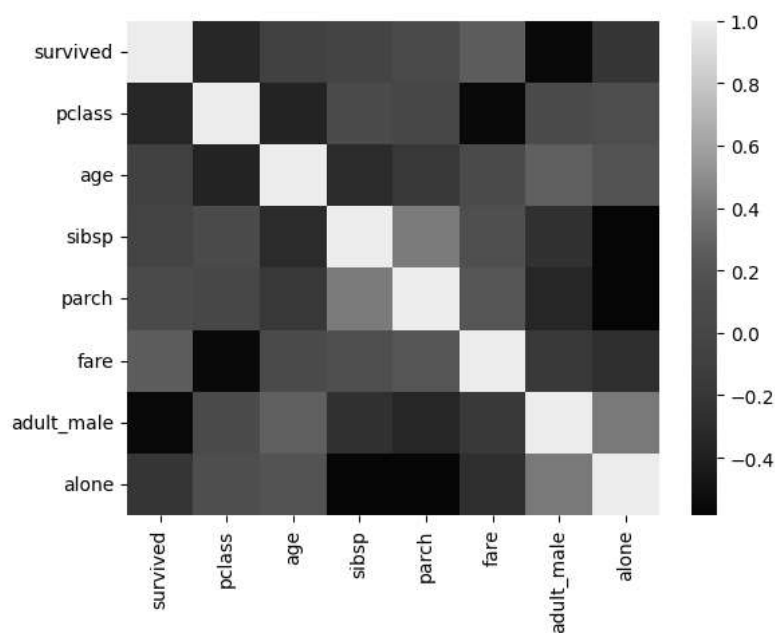

Checking how the price of the ticket (columname:"fare") for each passenger is distributed by plotting a historgram

```
sns.histplot(dataset["fare"],kde=False,bins=10)
```

<Axes: xlabel='fare', ylabel='Count'>