In [8]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

In [9]:
```
dataset = sns.load_dataset('titanic')
```

In [10]:
```
dataset.head()
```

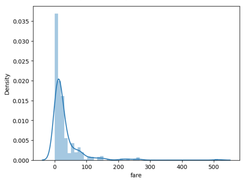
Out[10]:

	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

In [11]:
```
sns.distplot(dataset["fare"])
```

```
C:\Users\Hitesh Kolte\AppData\Local\Temp\ipykernel_5324\509693691.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"])
```

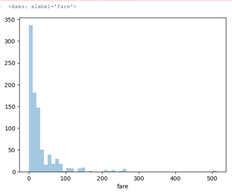
Out[11]:
```
<Axes: xlabel='fare', ylabel='Density'>
```



In [13]:
```
sns.distplot(dataset["fare"], kde=False)
```

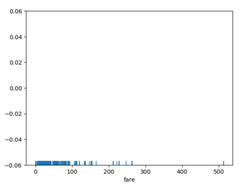
```
C:\Users\Hitesh Kolte\AppData\Local\Temp\ipykernel_5324\2098353542.py:1: UserWarning:

`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)
```

Out[13]:
```
<Axes: xlabel='fare'>
```



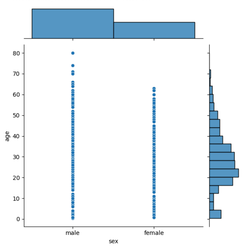
In [14]:
```
sns.rugplot(dataset["fare"])
```

Out[14]:
```
<Axes: xlabel='fare'>
```



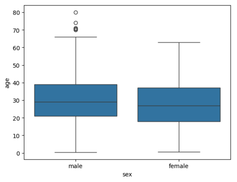
In [16]:
```
sns.jointplot(x="sex",y="age", data=dataset)
```

Out[16]:
```
<seaborn.axisgrid.JointGrid at 0x27412297fe0>
```



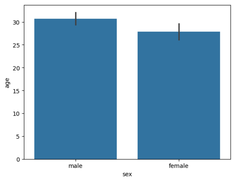
In [17]:
```
sns.boxplot(x="sex",y="age", data=dataset)
```

Out[17]:
```
<Axes: xlabel='sex', ylabel='age'>
```



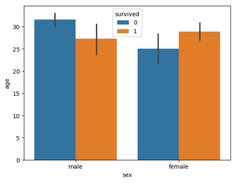
In [19]:
```
sns.barplot(x="sex",y="age", data=dataset)
```

Out[18]:
```
<Axes: xlabel='sex', ylabel='age'>
```



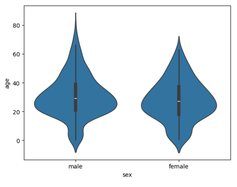
In [19]:
```
sns.barplot(x="sex",y="age", data=dataset, hue="survived")
```

Out[19]:
```
<Axes: xlabel='sex', ylabel='age'>
```



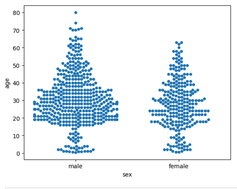
In [20]:
```
sns.violinplot(x="sex",y="age", data=dataset)
```

Out[20]:
```
<Axes: xlabel='sex', ylabel='age'>
```



In [22]:
```
sns.swarmplot(x="sex",y="age", data=dataset)
```

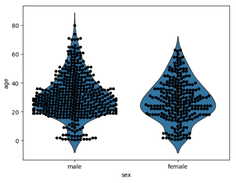
Out[22]:
```
<Axes: xlabel='sex', ylabel='age'>
```



In [23]:
```
sns.violinplot(x="sex",y="age", data=dataset)
sns.swarmplot(x="sex",y="age", data=dataset,color="black")
```

Out[23]:
```
<Axes: xlabel='sex', ylabel='age'>
```

```
C:\Users\Hitesh Kolte\AppData\Roaming\Python\Python312\site-packages\seaborn\categorical.py:3399: UserWarning: 5.7% of the points cannot be placed; you may want to decrease the size of the markers or use stripplot.
  warnings.warn(msg, UserWarning)
```



In [ ]: