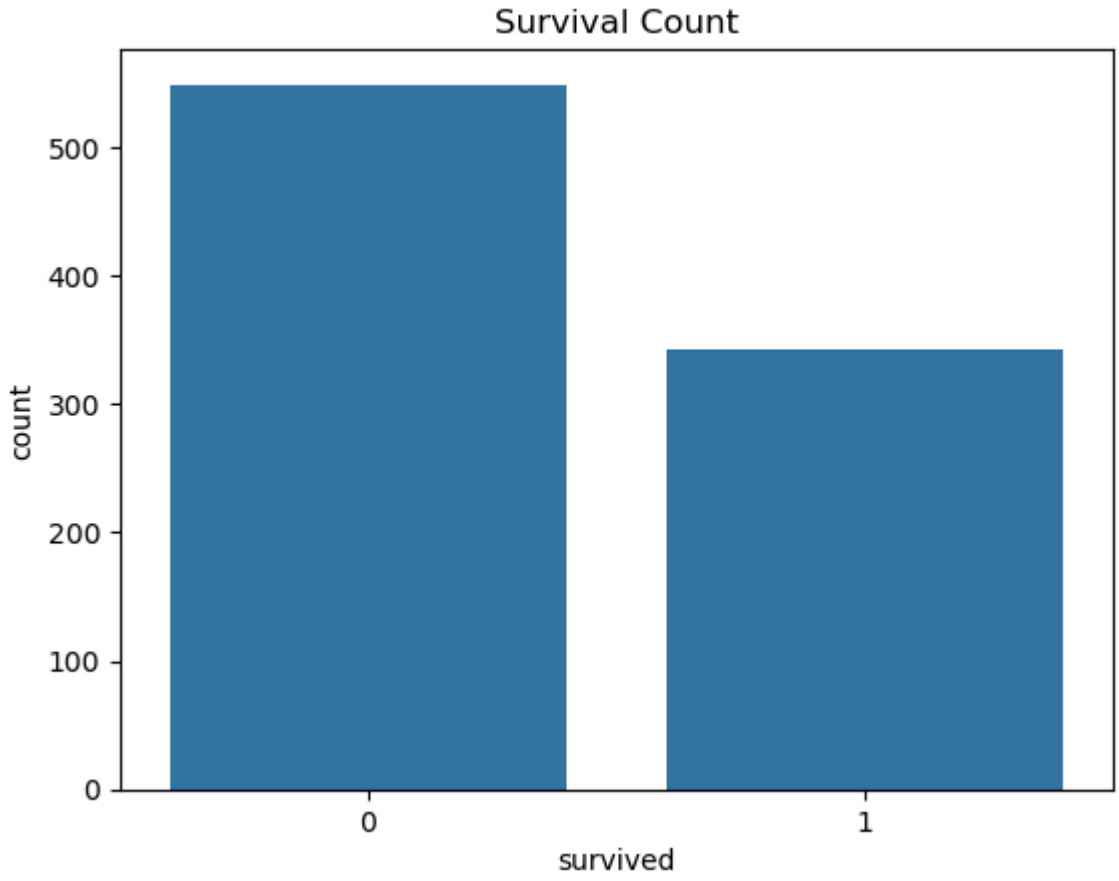
In [3]:
```
import seaborn as sns
import matplotlib.pyplot as plt

# Load the titanic dataset
titanic = sns.load_dataset('titanic')

# Display the first few rows of the dataset
print(titanic.head())
```

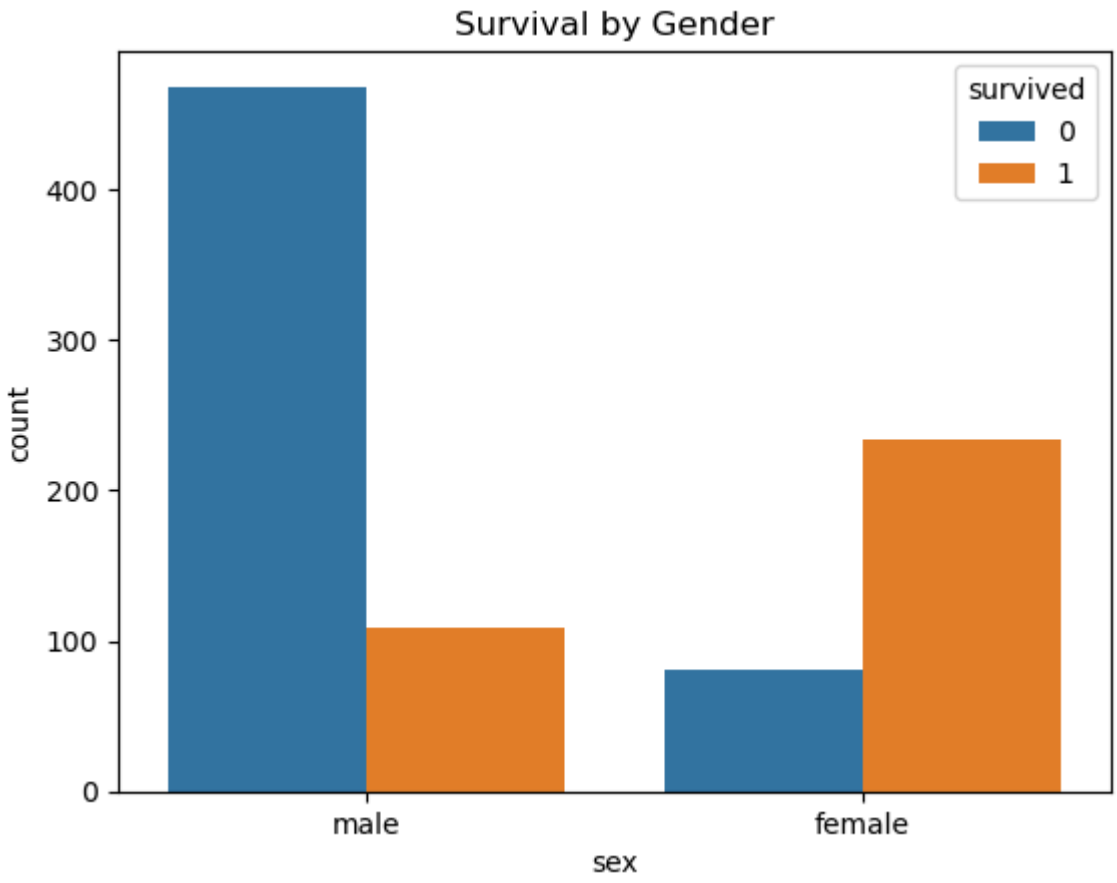
```
   survived  pclass     sex   age  sibsp  parch     fare embarked  class  \
0         0       3    male  22.0      1      0   7.2500        S  Third
1         1       1  female  38.0      1      0  71.2833        C  First
2         1       3  female  26.0      0      0   7.9250        S  Third
3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

     who  adult_male deck  embark_town alive  alone
0    man        True  NaN  Southampton    no  False
1  woman       False    C    Cherbourg   yes  False
2  woman       False  NaN  Southampton   yes   True
3  woman       False    C  Southampton   yes  False
4    man        True  NaN  Southampton    no   True
```

In [4]:
```
# Survival count
sns.countplot(x='survived', data=titanic)
plt.title("Survival Count")
plt.show()
```

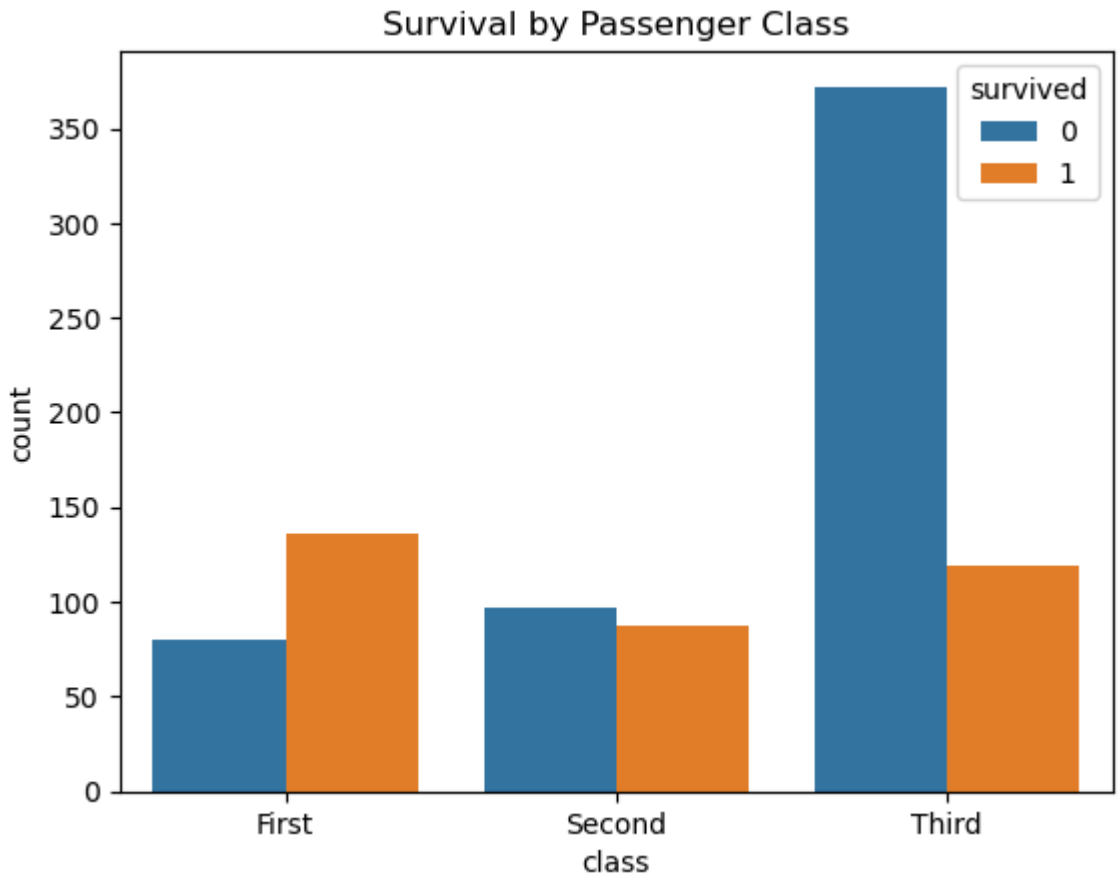


In [5]:
```
# Survival by gender
sns.countplot(x='sex', hue='survived', data=titanic)
```

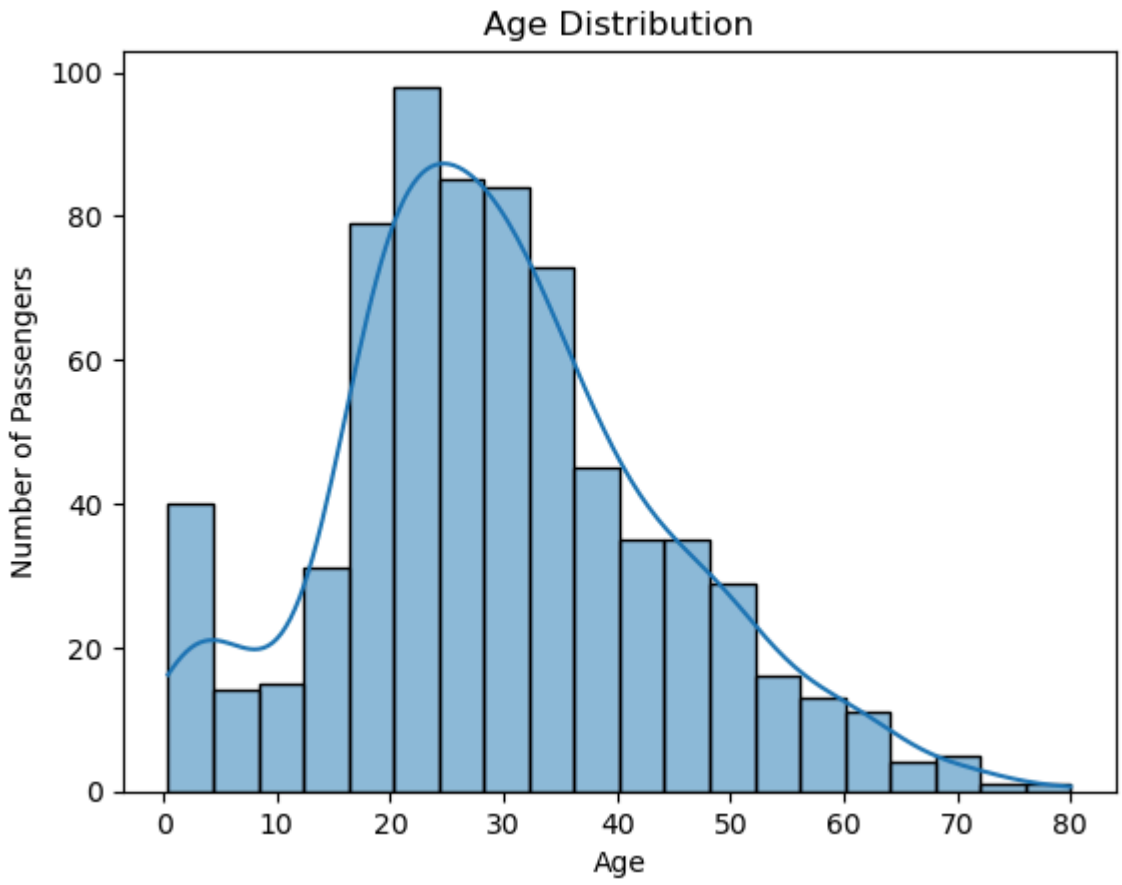
```
plt.title("Survival by Gender")
plt.show()
```



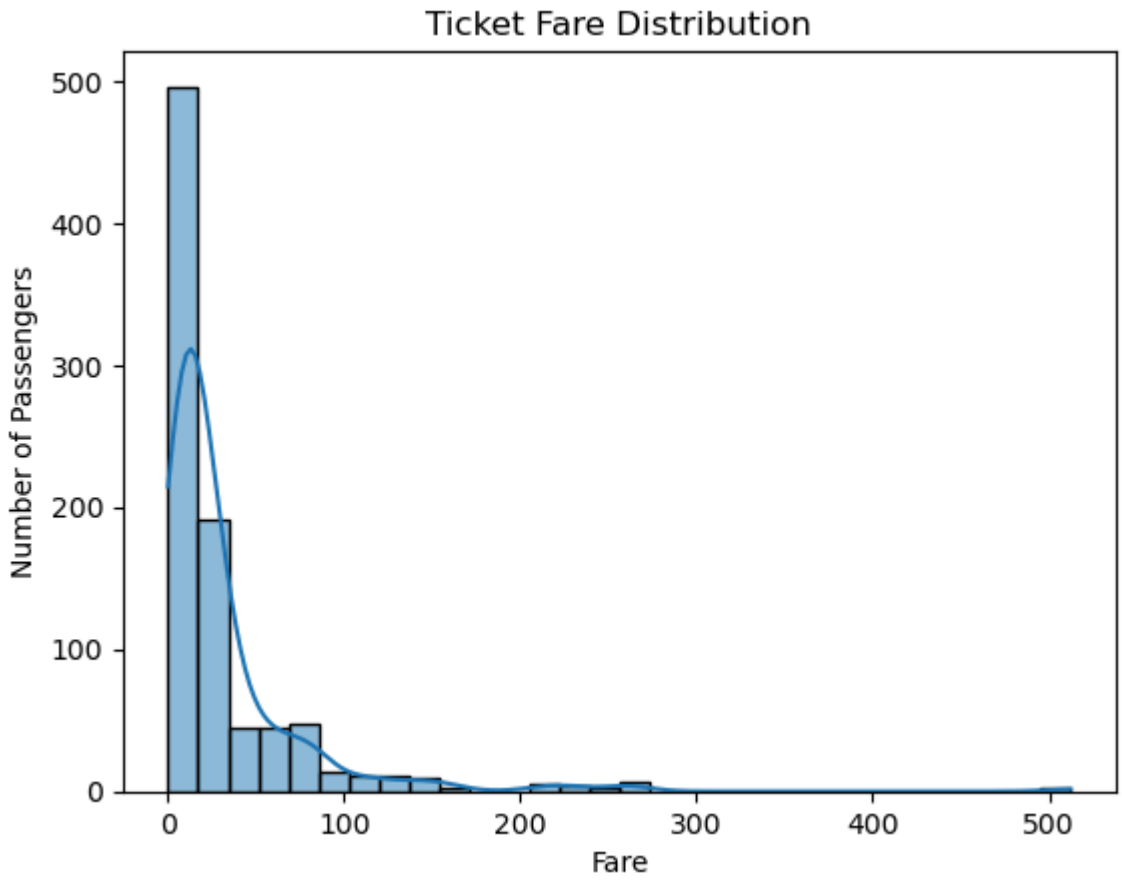
In [6]:
```
# Survival by class
sns.countplot(x='class', hue='survived', data=titanic)
plt.title("Survival by Passenger Class")
plt.show()
```



In [7]:
```
# Age distribution
sns.histplot(titanic['age'].dropna(), kde=True)
plt.title("Age Distribution")
plt.xlabel("Age")
plt.ylabel("Number of Passengers")
plt.show()
```



In [8]:
```
# Plot histogram of fare
sns.histplot(titanic['fare'], bins=30, kde=True)
plt.title("Ticket Fare Distribution")
plt.xlabel("Fare")
plt.ylabel("Number of Passengers")
plt.show()
```


Ticket Fare Distribution
Number of Passengers
Fare
0
100
200
300
400
500