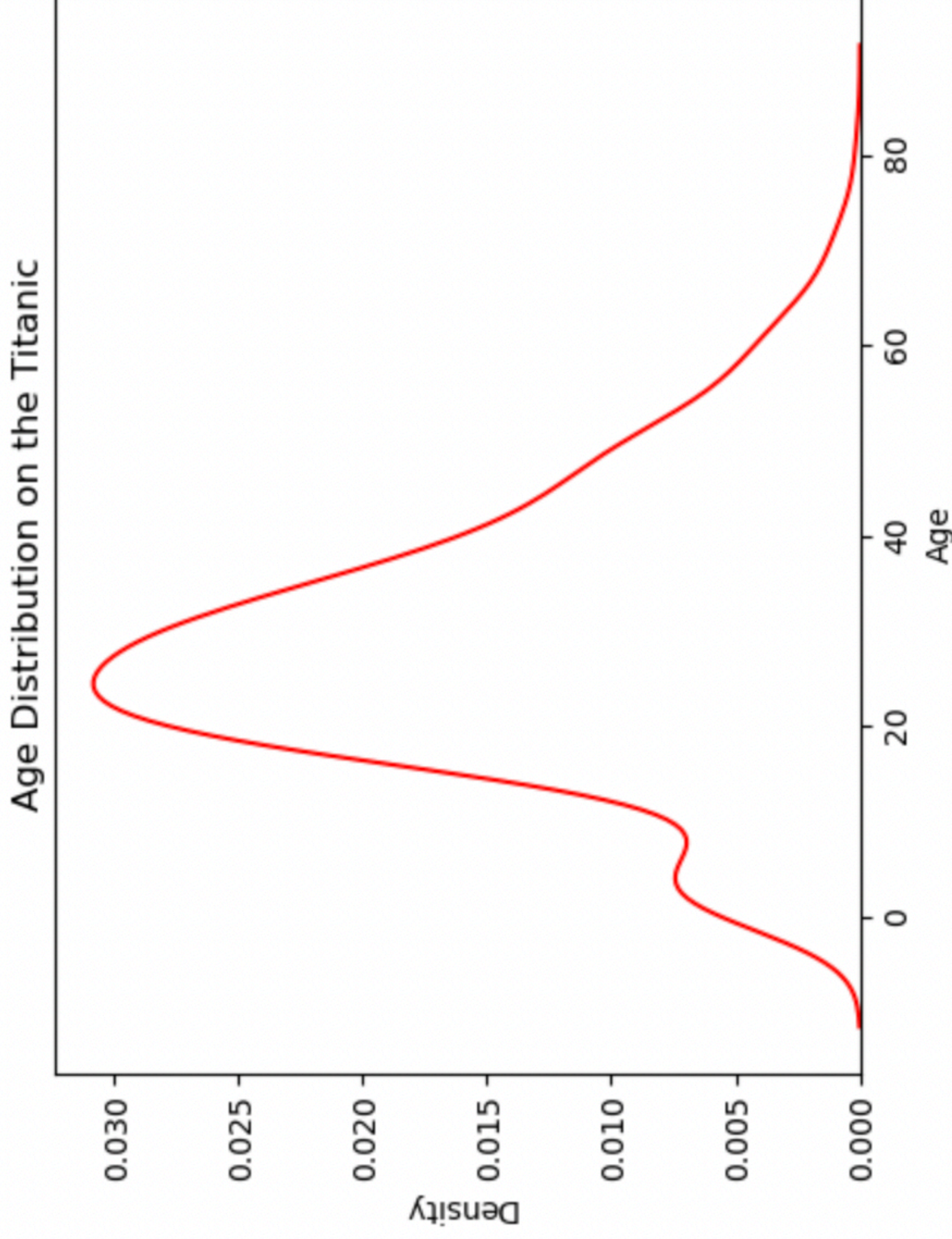


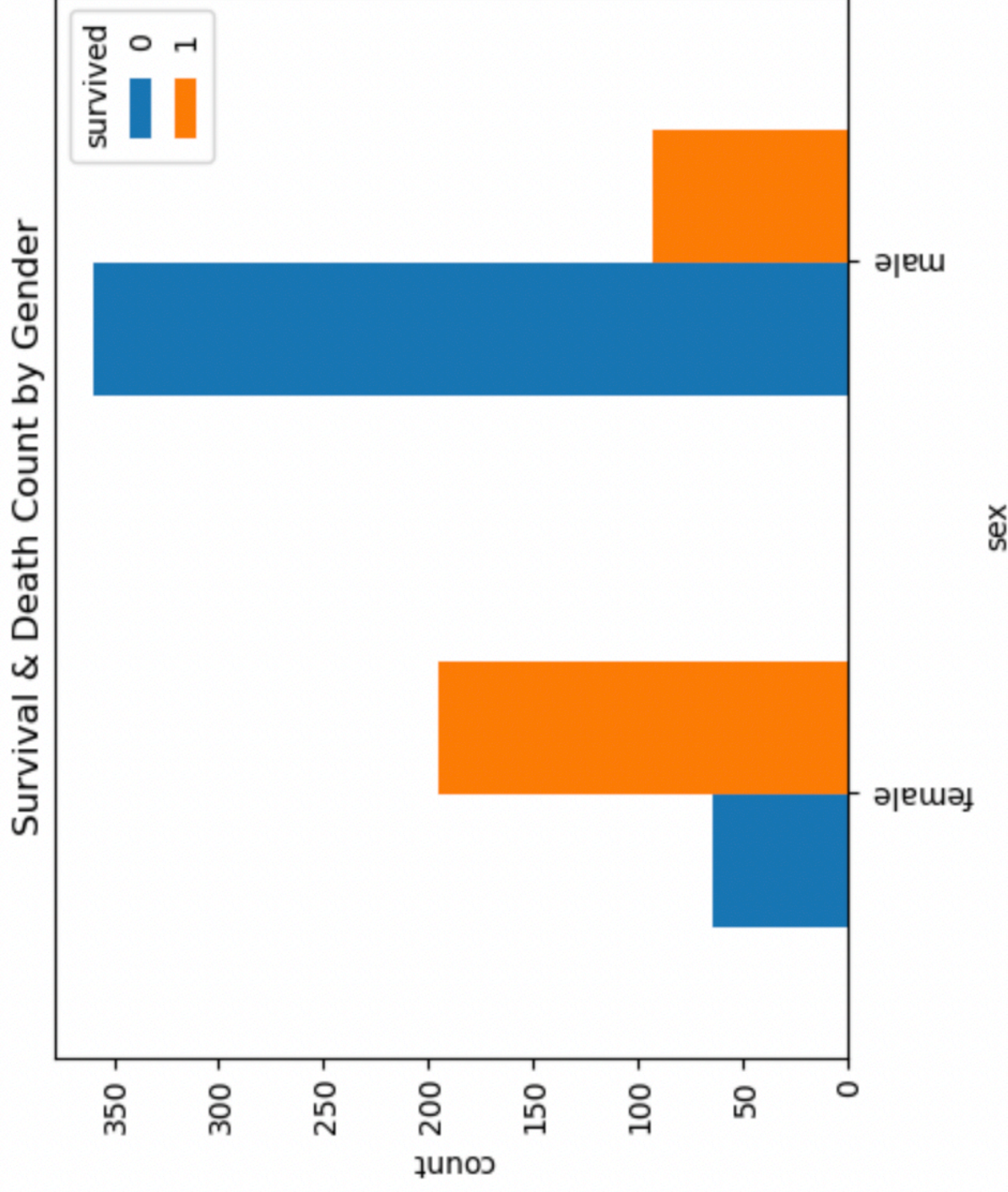
[95]:

```
# age distribution
sns.kdeplot(x='age', data=titanic_data, common_norm = False, color='red')
plt.xlabel('Age')
plt.ylabel('Density')
plt.title('Age Distribution on the Titanic')
plt.show()
```



```
[83]: # survivors by sex
proportion_table = pd.crosstab(titanic_data["sex"], titanic_data['survived'])
proportion_table.plot(kind = 'bar')
plt.ylabel('count')
plt.title('Survival & Death Count by Gender')
```

[83]: Text(0.5, 1.0, 'Survival & Death Count by Gender')





•[91]:

```
sns.boxplot(x='survived', y='fare', data=titanic_data)
plt.xlabel('Survived')
plt.ylabel('Fare')
plt.title('Fare Distribution by Survival Status')
plt.show()
```

