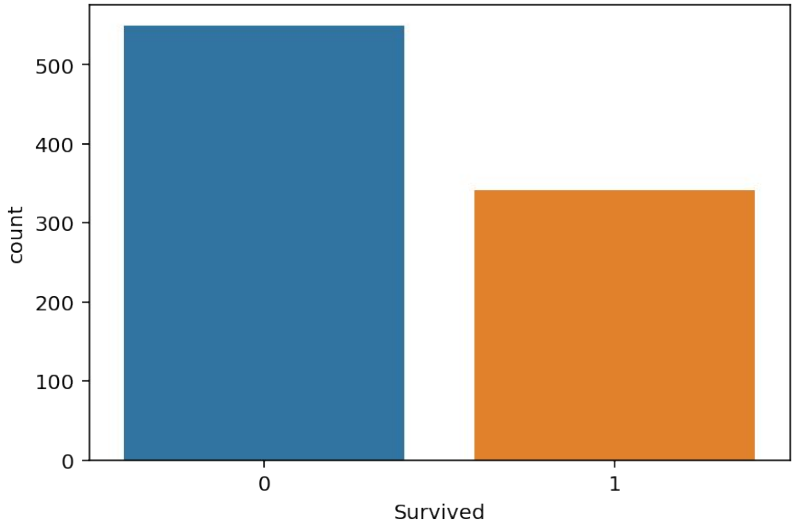
Exploratory Data Analysis Part -III

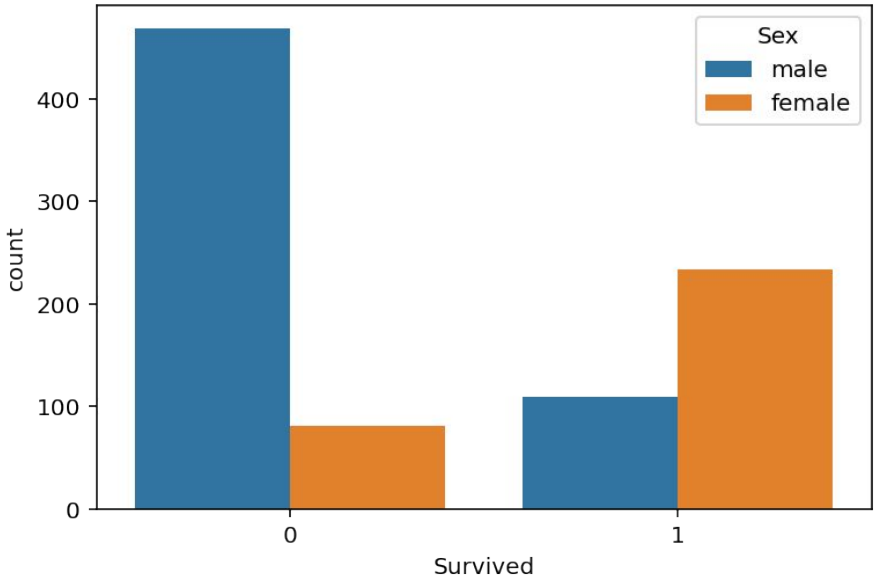
Data Visualization

Countplot

```
sns.countplot(x='Survived',
data=df)
```

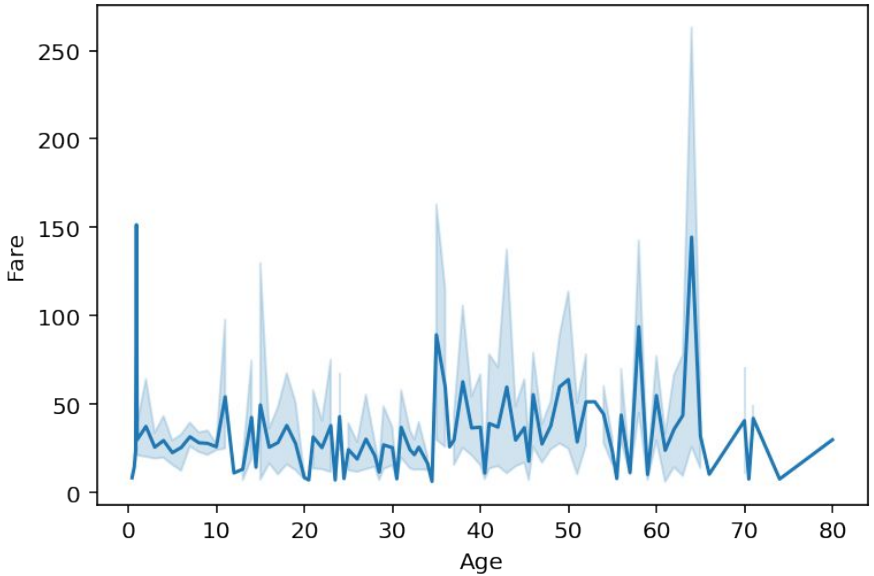



```
sns.countplot(x='Survived',
hue='Sex',data=df)
```



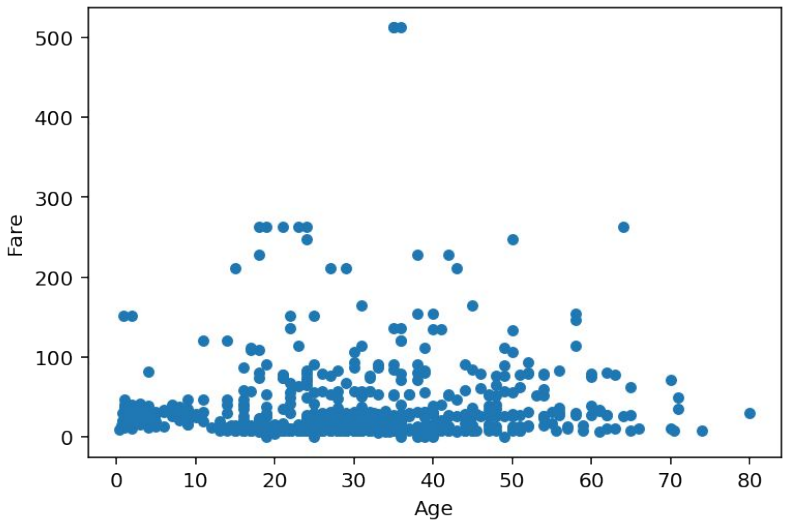
Line chart

```
sns.lineplot(x='Age',y='Fare',data=df)
```

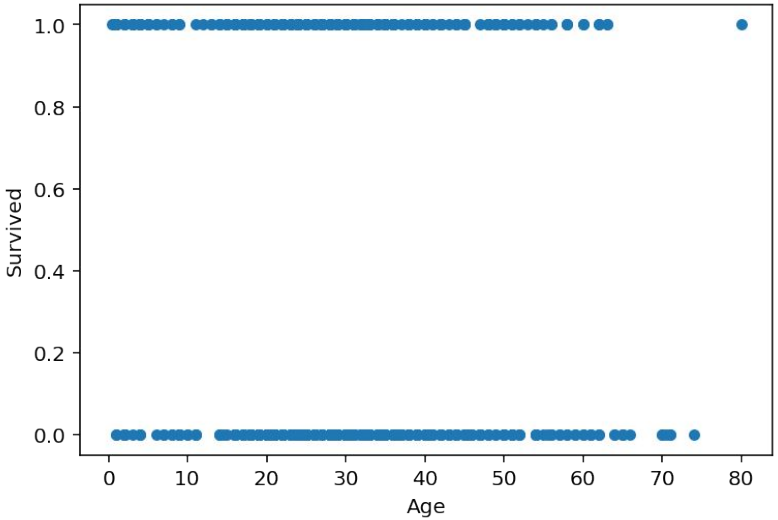


Scatter Plot

```
df.plot.scatter(x='Age', y='Fare')
```

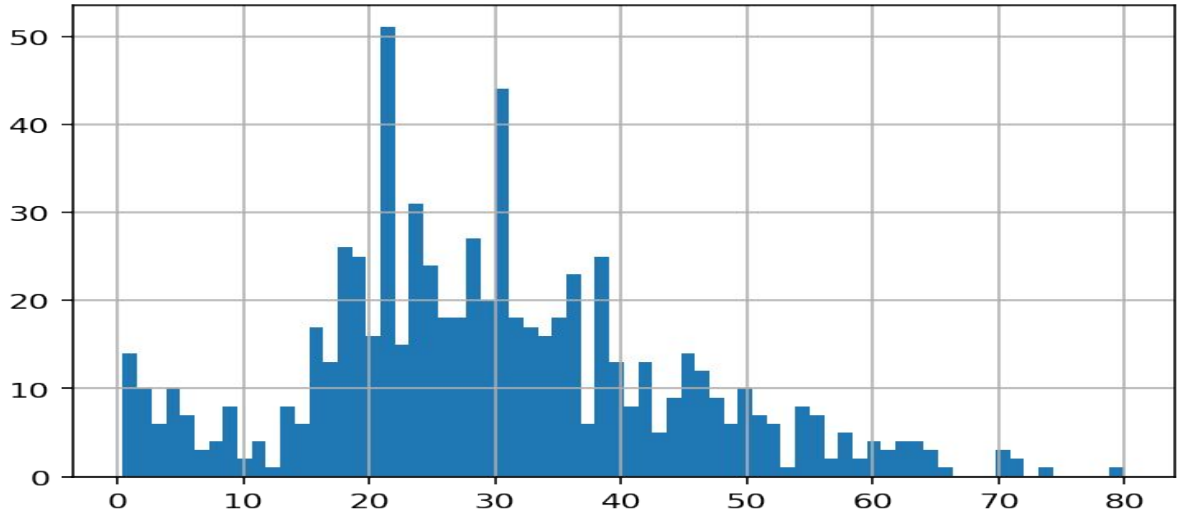



```
df.plot.scatter(x='Age', y='Survived')
```



Histogram

```
df['Age'].hist(bins=70)
```



Pie_chart

```
import matplotlib.pyplot as plt
sizes= df['Survived'].value_counts()
fig1,ax1 = plt.subplots()
ax1.pie(sizes,labels=['Not Survived',
'Survived'],autopct='%1.1f%%',shadow=True)
plt.show()
```