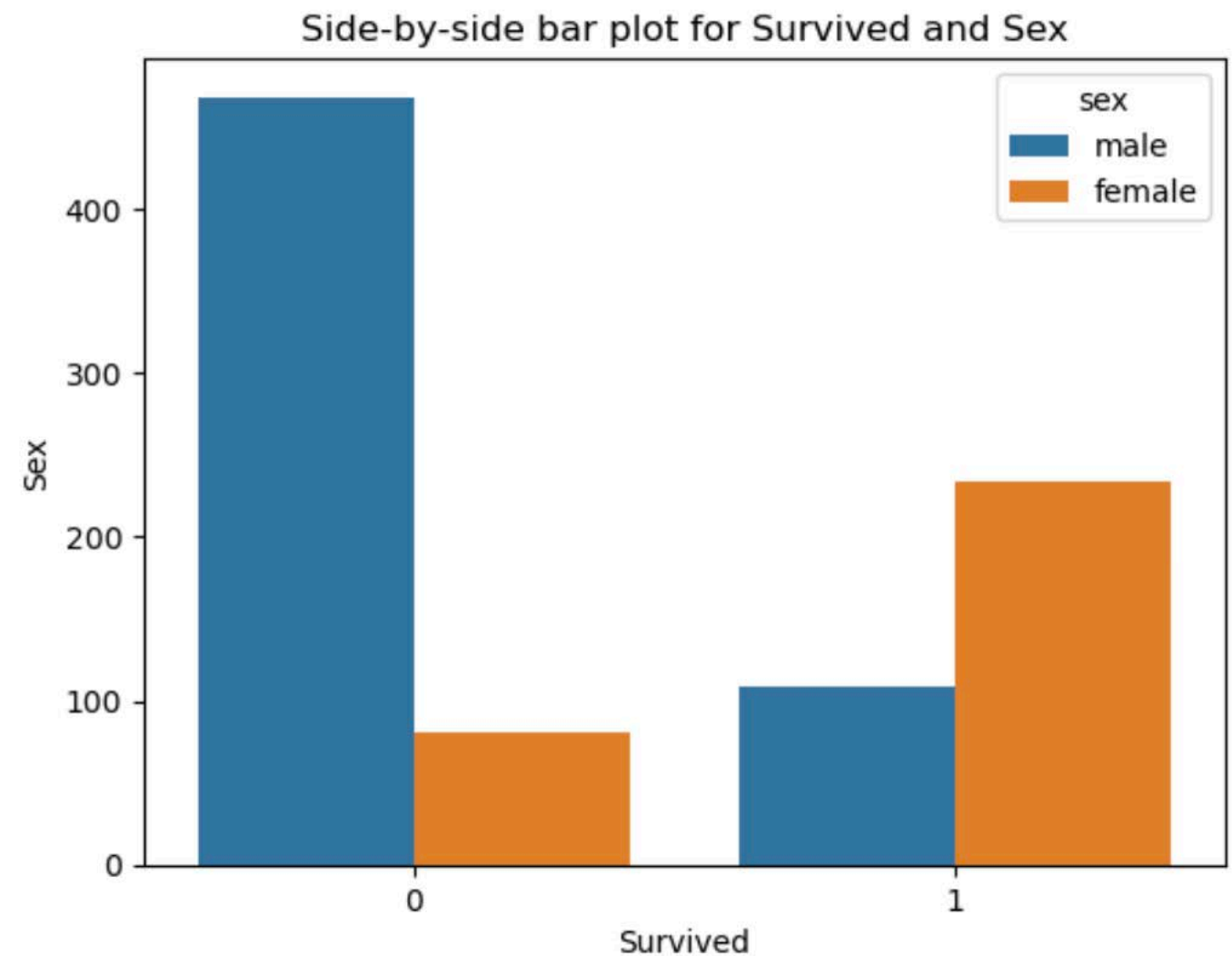```
sns.countplot(x = 'survived', hue = 'sex', data = titanic_data)
plt.xlabel('Survived')
plt.ylabel('Sex')
plt.title('Side-by-side bar plot for Survived and Sex')
plt.show()
```



Side-by-side bar plot for Survived and Sex

```
Marks: lines
Channels: position of line / size
Other options: area for mark
More attributes: poistion --> horizontal bar chart
```

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


Survival distribution by fare amount
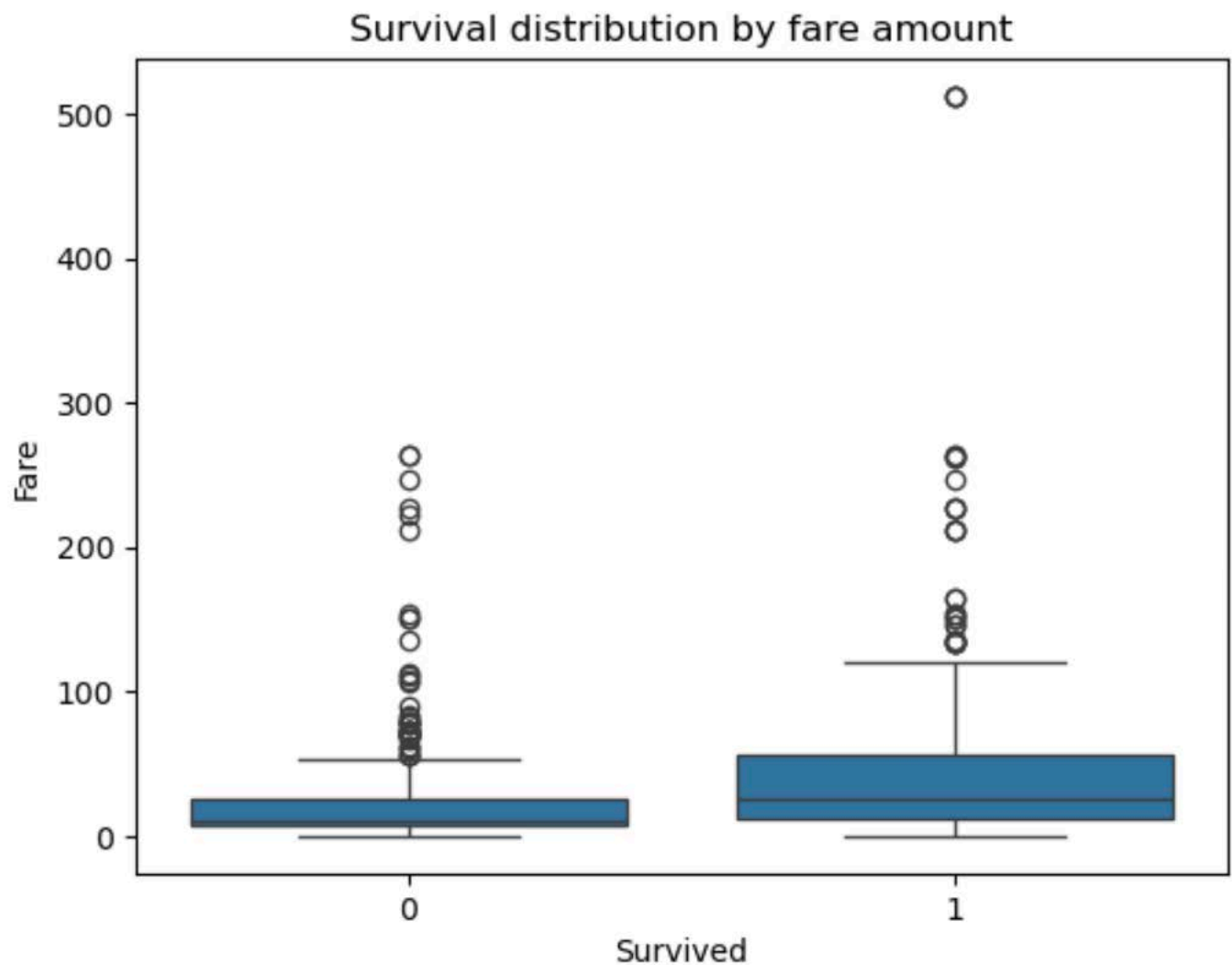
- Mark: line
- Channels: position of line
- More attributes: Color

```
pro_table = pd.crosstab(titanic_data['survived'], titanic_data['class'], normalize = 'index')
pro_table
```

class	First	Second	Third
survived			
0	0.145719	0.176685	0.677596
1	0.397661	0.254386	0.347953

```
pro_table.plot(kind = 'bar', stacked = True)
plt.xlabel('Survived')
plt.ylabel('Class')
plt.title('Stacked bar plot of Surival by Class')
plt.show()
```
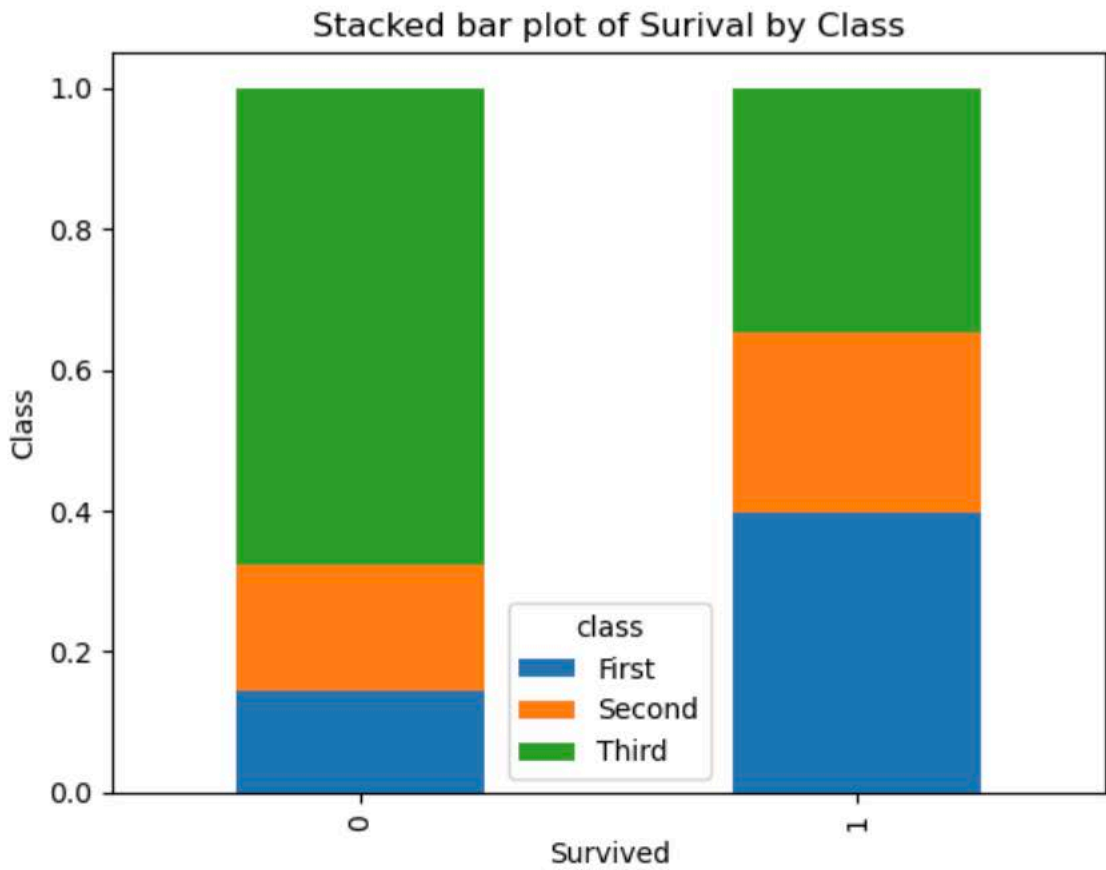


```
Mark: lines
Channels: position of line/size
More attributes: position
```