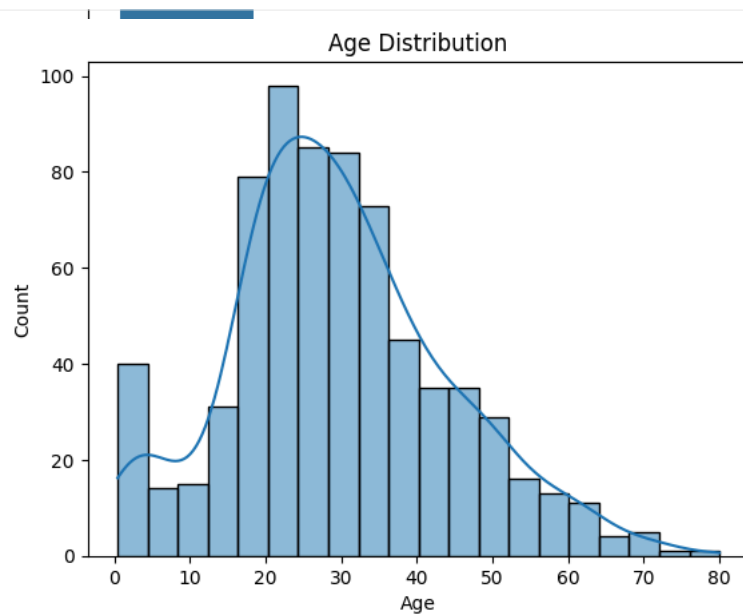


```
# -----  
# Observations for Each Visual  
# -----  
import pandas as pd  
import seaborn as sns  
import matplotlib.pyplot as plt  
from google.colab import files  
  
uploaded = files.upload()  
train = pd.read_csv("train.csv")  
  
# 1 Survival by Gender  
sns.countplot(x='Sex', hue='Survived', data=train)  
plt.title("Survival by Gender")  
plt.show()  
print("Observation: Females had a significantly higher survival rate than males.")  
  
# 2 Survival by Class  
sns.countplot(x='Pclass', hue='Survived', data=train)  
plt.title("Survival by Passenger Class")  
plt.show()  
print("Observation: Passengers in 1st class survived more often than those in 3rd class.")
```

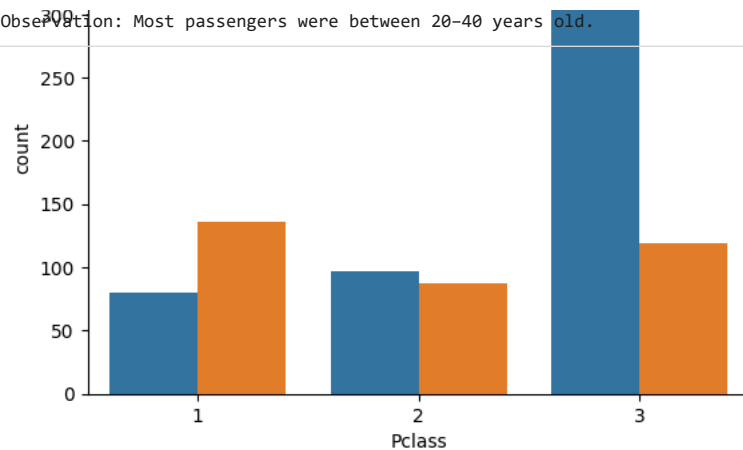
Choose Files train.csv

train.csv(text/csv) - 61194 bytes, last modified: 10/28/2025 - 100% done
Saving train.csv to train.csv

```
# 3 Age Distribution
sns.histplot(train['Age'], bins=20, kde=True)
plt.title("Age Distribution")
plt.show()
print("Observation: Most passengers were between 20-40 years old.")
```



Observation: Most passengers were between 20-40 years old.



Observation: Passengers in 1st class survived more often than those in 3rd class.