```
import pandas as pd
import matplotlib.pyplot as plt


url = "https://raw.githubusercontent.com/mrdbourke/zero-to-mastery-ml/master/data/heart-disease.csv"
df = pd.read_csv(url)


print("===== Missing Values Count =====")
print(df.isnull().sum())
```

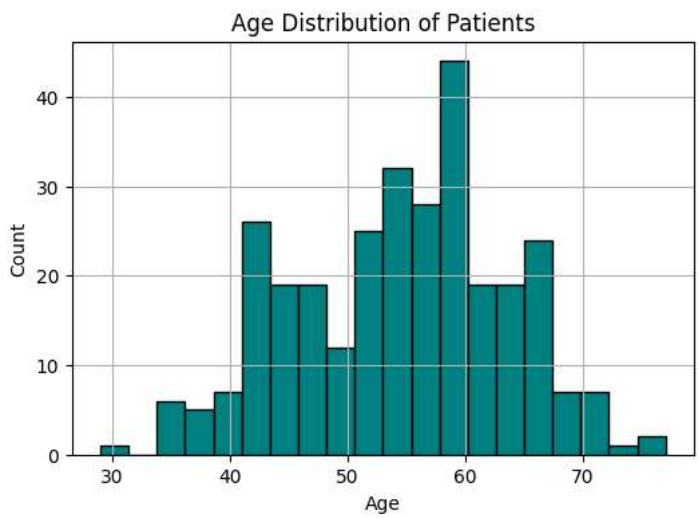
```
===== Missing Values Count =====
age         0
sex         0
cp          0
trestbps    0
chol        0
fbs         0
restecg     0
thalach     0
exang       0
oldpeak     0
slope       0
ca          0
thal        0
target      0
dtype: int64
```

```
# Step 3: Show Top 3 Correlations (Absolute Values)
corr_matrix = df.corr(numeric_only=True)
corr_unstacked = corr_matrix.abs().unstack().sort_values(ascending=False)
corr_unstacked = corr_unstacked[corr_unstacked < 1]
top3_corr = corr_unstacked.drop_duplicates().head(3)

print("\n===== Top 3 Correlations =====")
print(top3_corr)
```

```
===== Top 3 Correlations =====
slope   oldpeak    0.577537
target  exang      0.436757
        cp         0.433798
dtype: float64
```

```
# Step 4: Plot Histogram (Age column)
plt.figure(figsize=(6,4))
df['age'].hist(bins=20, color='teal', edgecolor='black')
plt.title("Age Distribution of Patients")
plt.xlabel("Age")
plt.ylabel("Count")
plt.show()
```



Start coding or generate with AI.