```
import pandas as pd
import matplotlib.pyplot as plt
# Load dataset
df = pd.read_csv('API_SP.POP.TOTL_DS2_en_csv_v2_38144.csv', skiprows=4)
print(df.head())
#performed data cleaning
df_clean = df[['Country Name', '2022']].dropna()
df_clean = df_clean.sort_values(by='2022', ascending=False).head(20)
#bar chart
plt.figure(figsize=(12, 6))
plt.bar(df_clean['Country Name'], df_clean['2022'])
plt.xticks(rotation=75)
plt.xlabel('Country')
plt.ylabel('Population in 2022')
plt.title('Top 20 Countries by Population (2022)')
plt.tight_layout()
plt.show()
#histogram
plt.figure(figsize=(10, 6))
plt.hist(df['2022'].dropna(), bins=20, color='skyblue', edgecolor='black')
plt.xlabel('Population')
plt.ylabel('Number of Countries')
plt.title('Population Distribution Across Countries (2022)')
plt.show()
```