

# task1

July 20, 2024

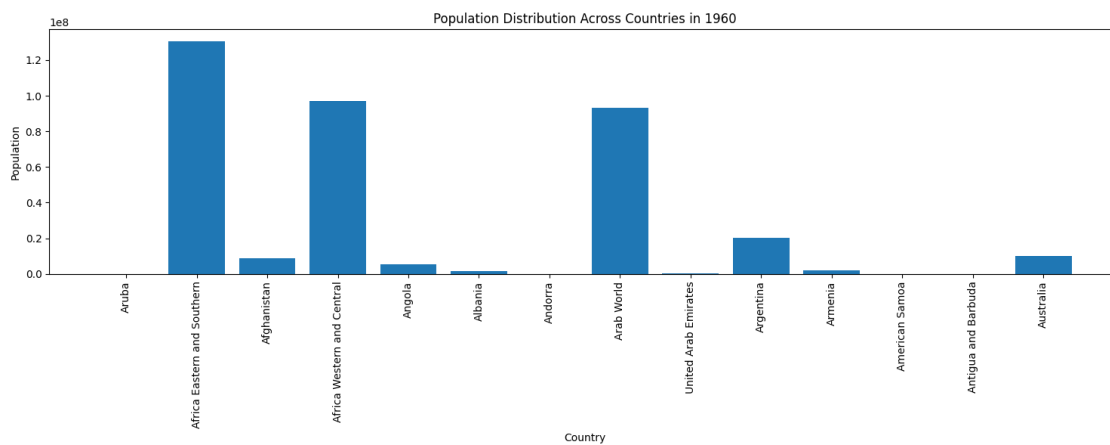
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[ ]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt

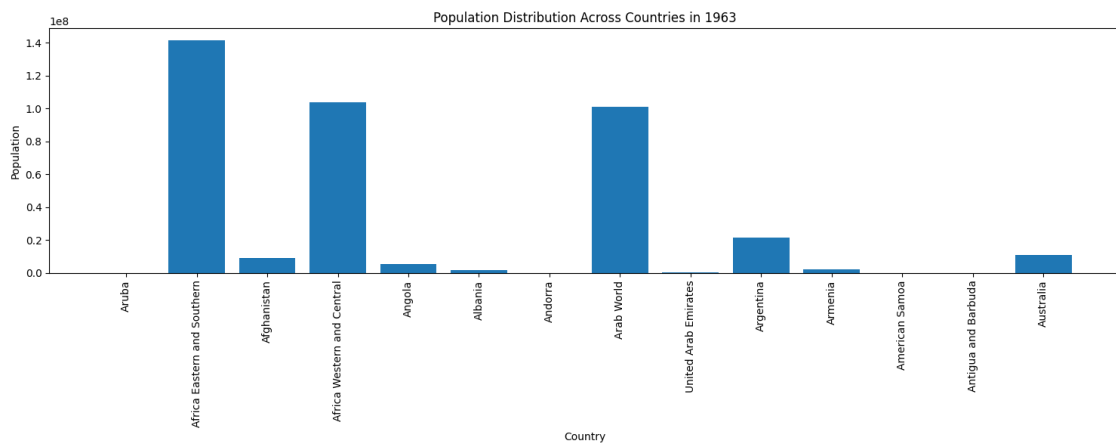
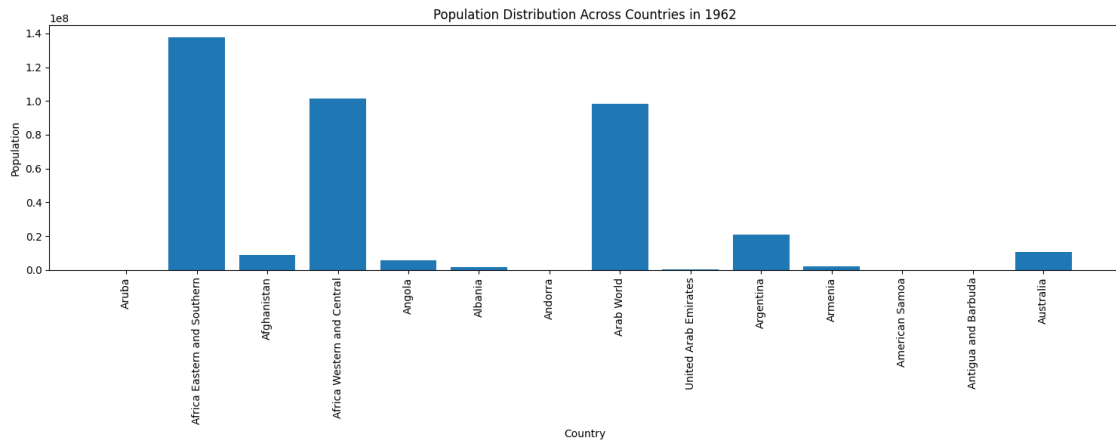
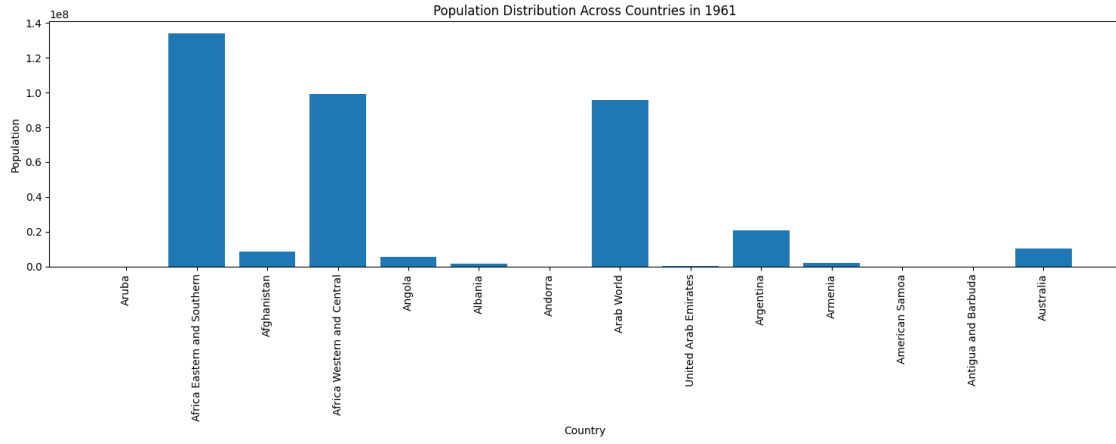
data = pd.read_csv("task1.csv")

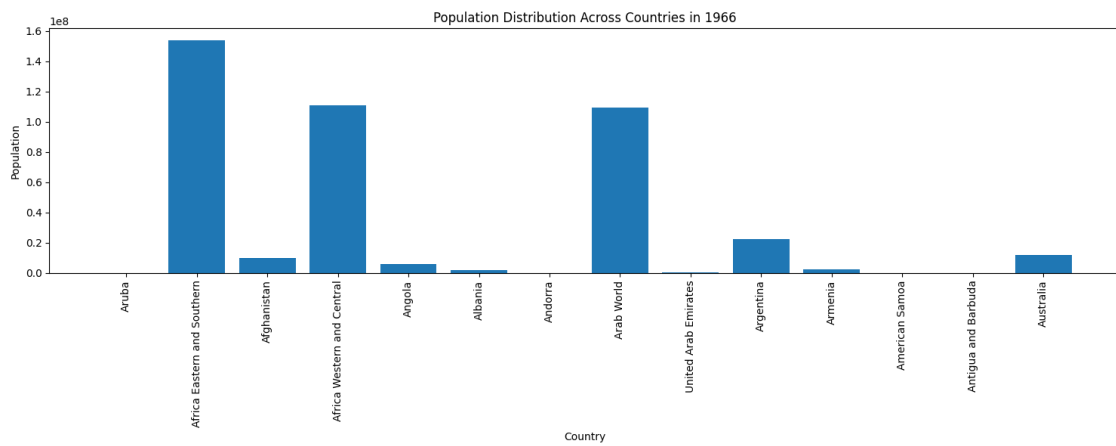
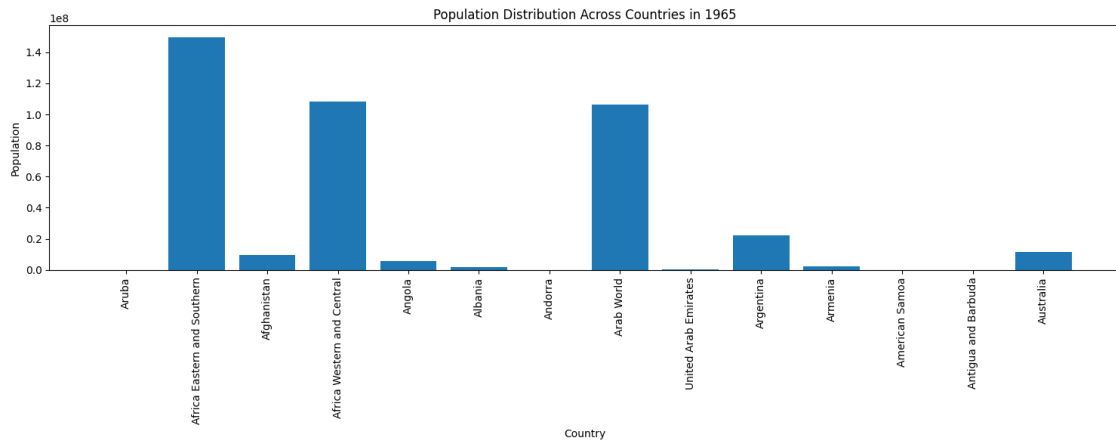
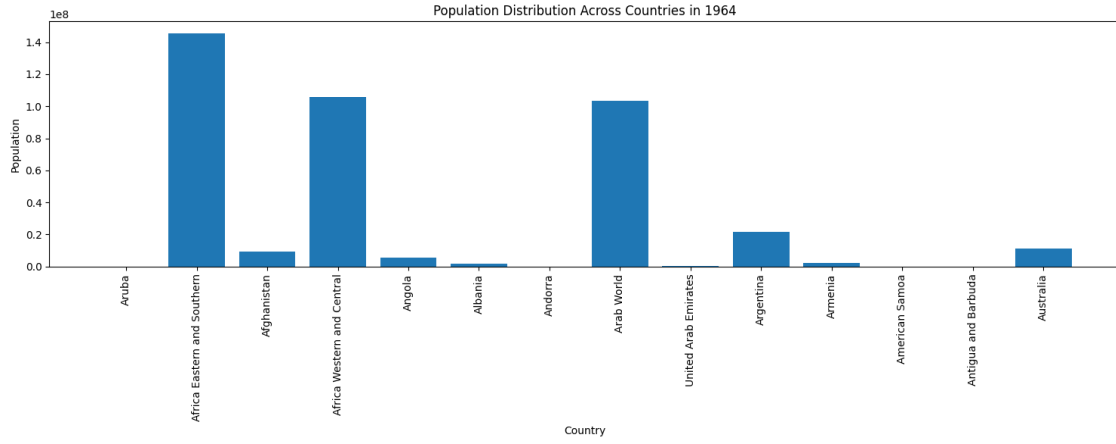
year_columns = data.columns[4:]

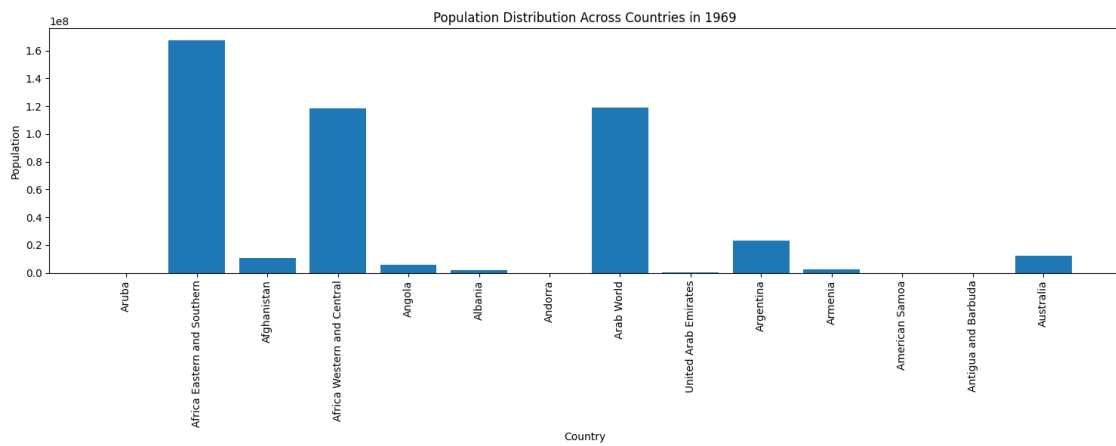
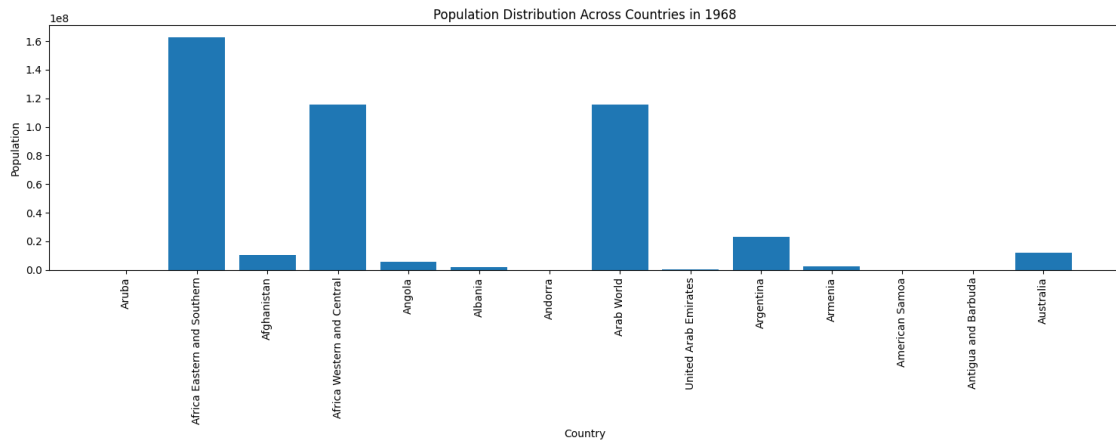
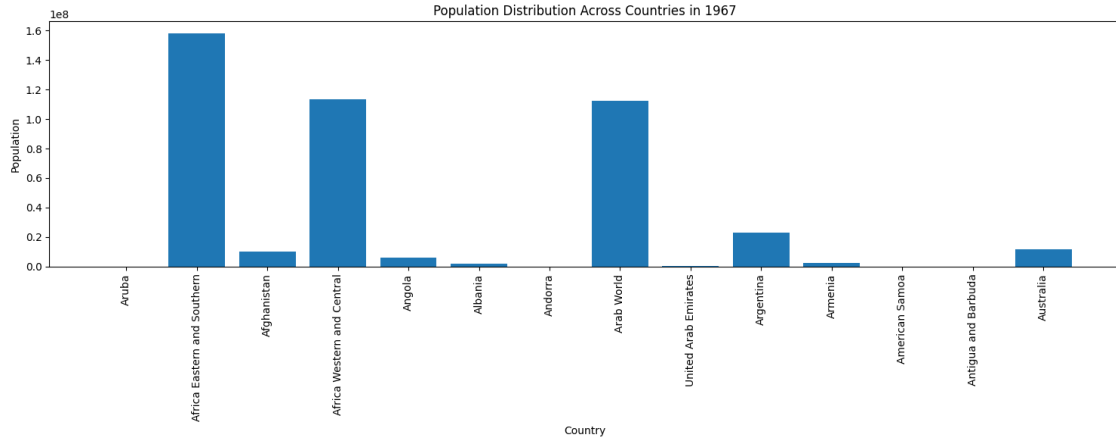
for year in year_columns:
    data[year] = pd.to_numeric(data[year], errors='coerce')
    data = data.dropna(subset=[year])

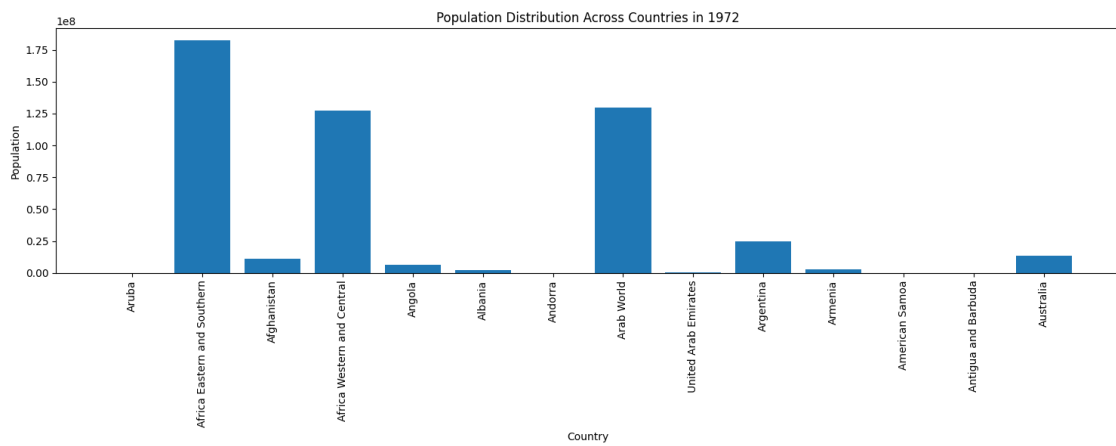
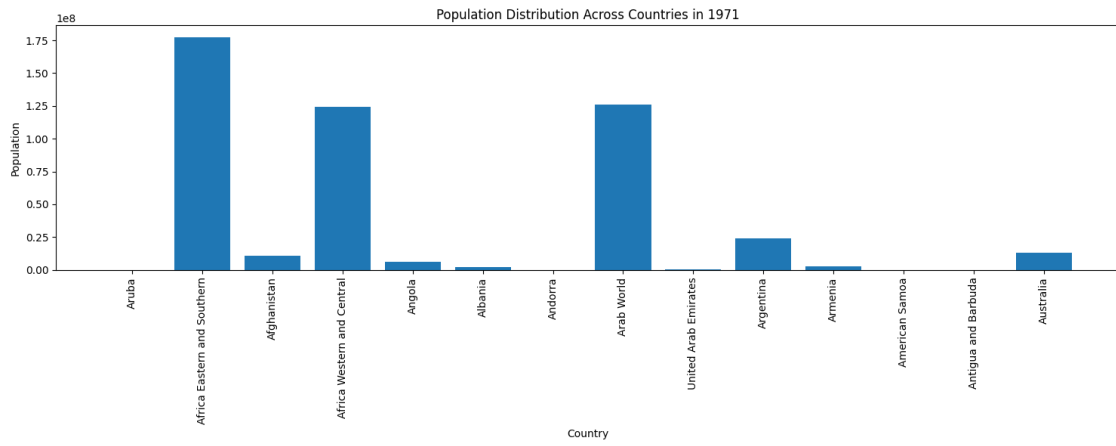
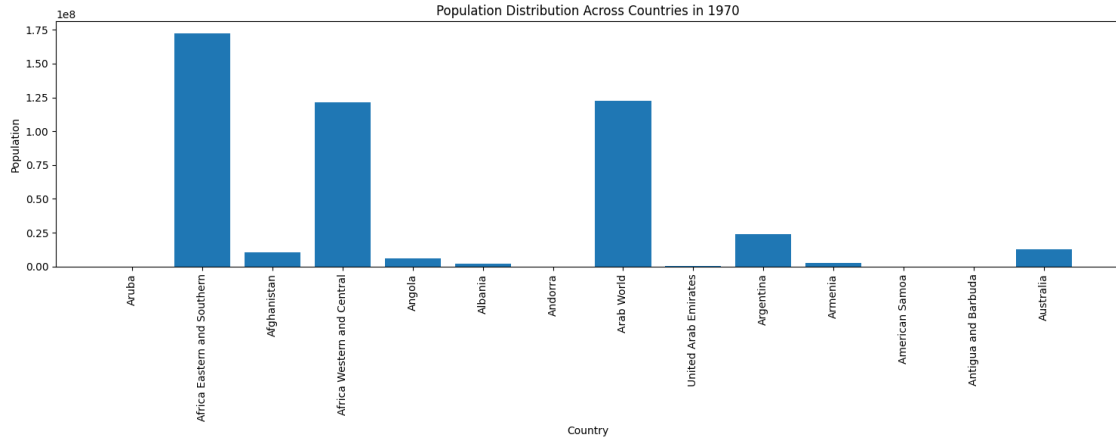
plt.figure(figsize=(15, 6))
plt.bar(data['Country Name'], data[year])
plt.xticks(rotation=90)
plt.title(f'Population Distribution Across Countries in {year}')
plt.xlabel('Country')
plt.ylabel('Population')
plt.tight_layout()
plt.show()
```

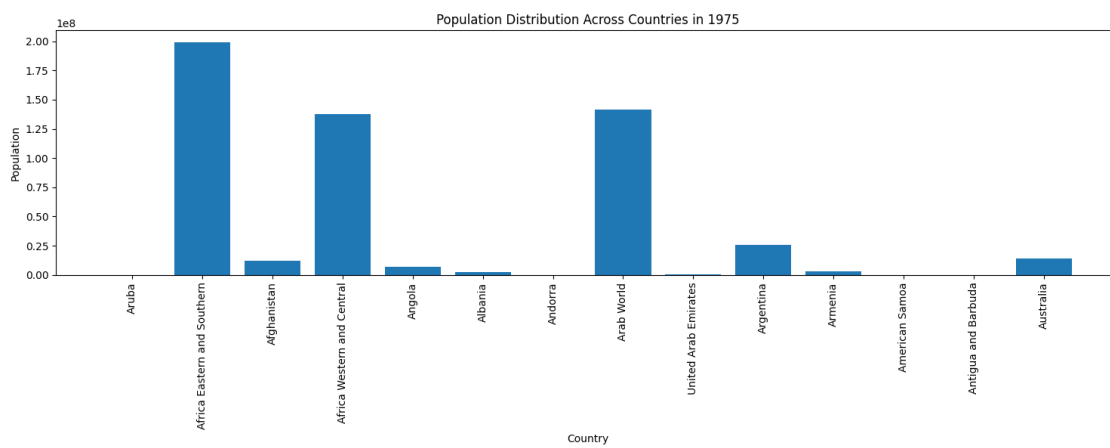
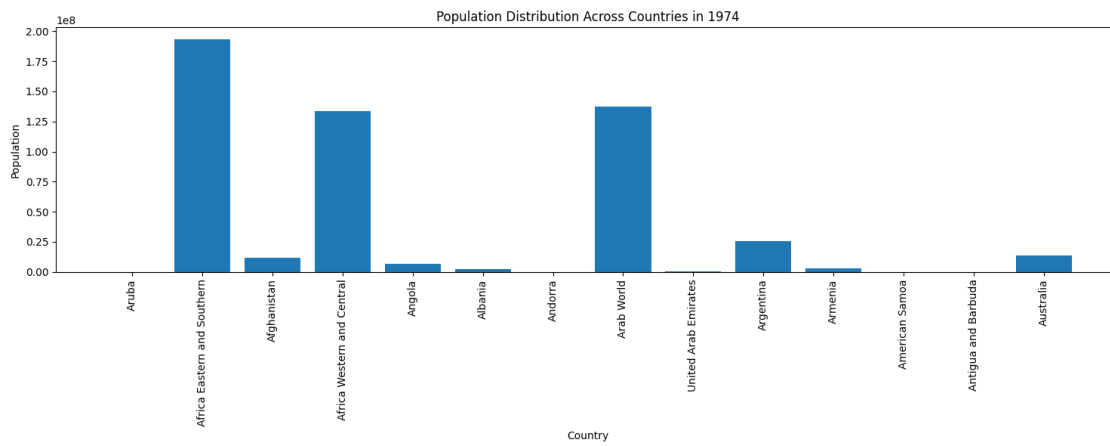
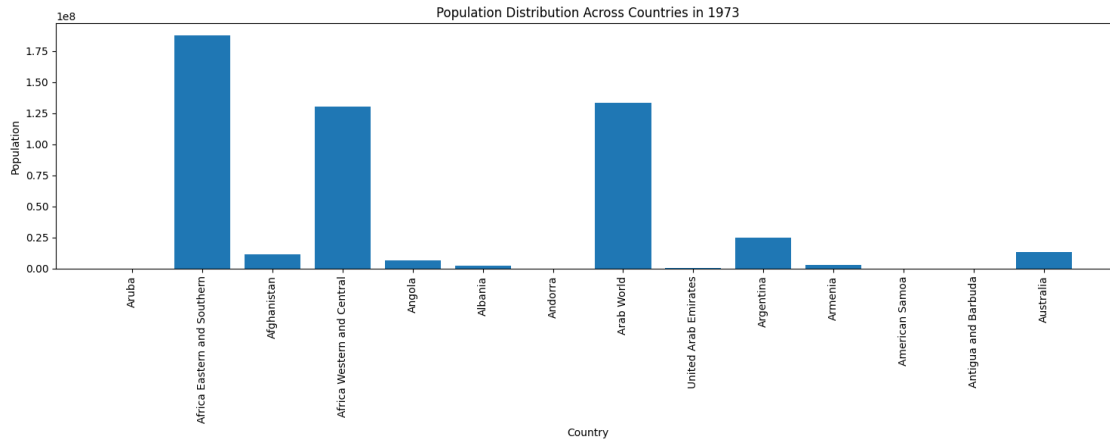


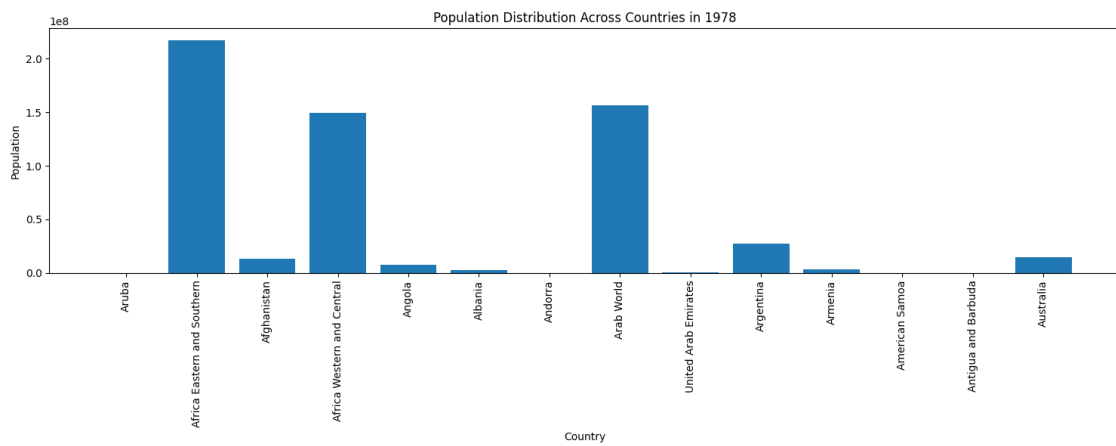
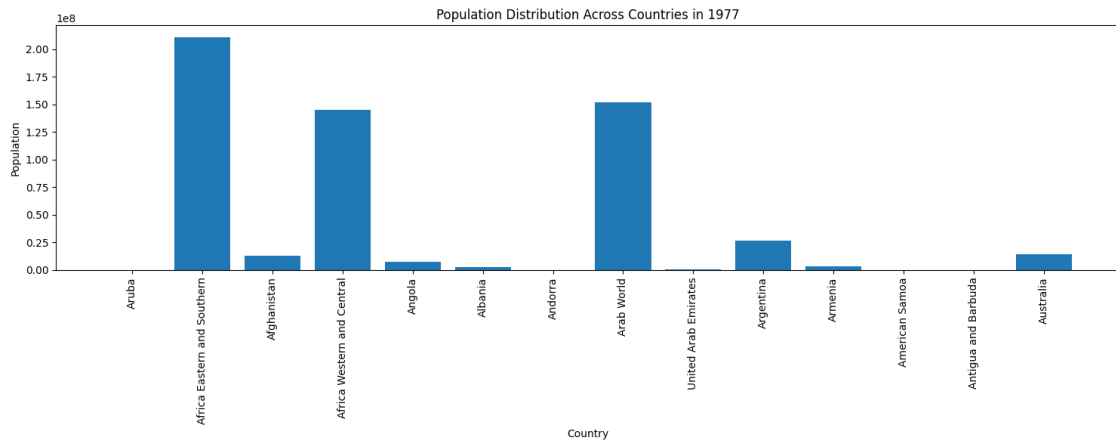
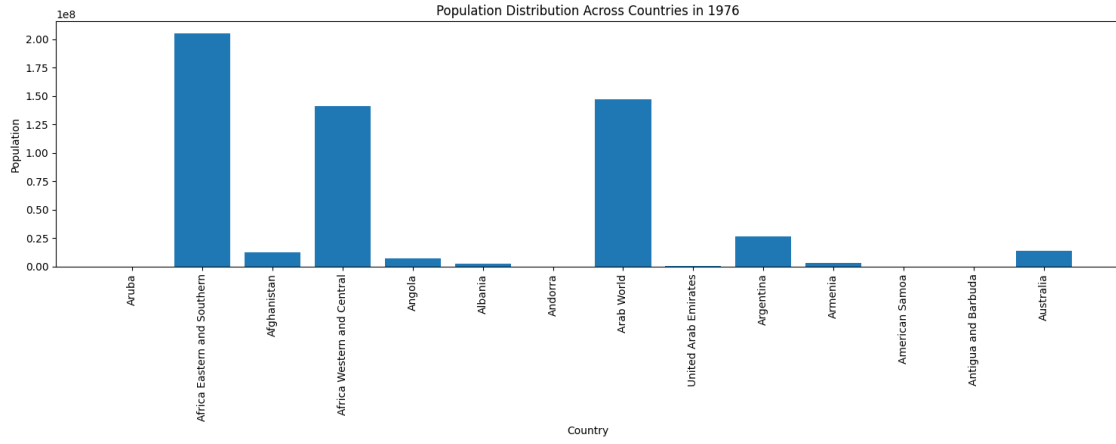


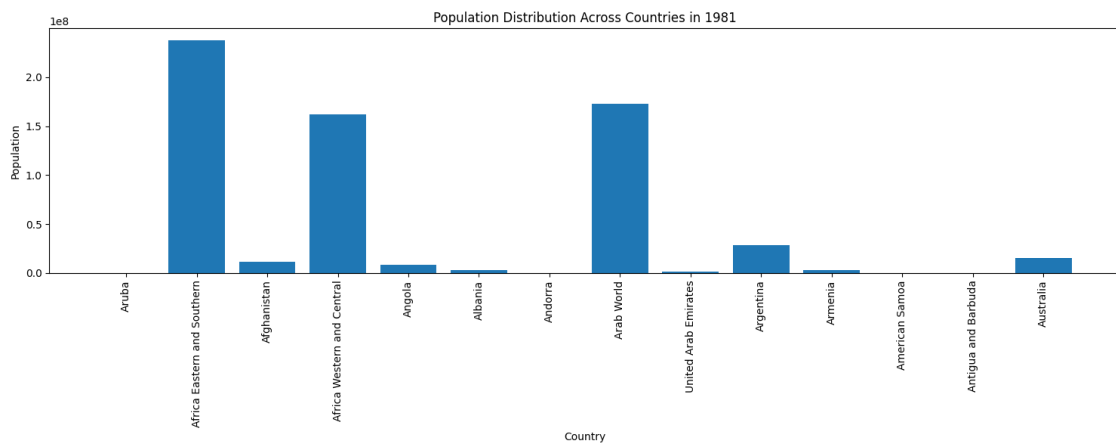
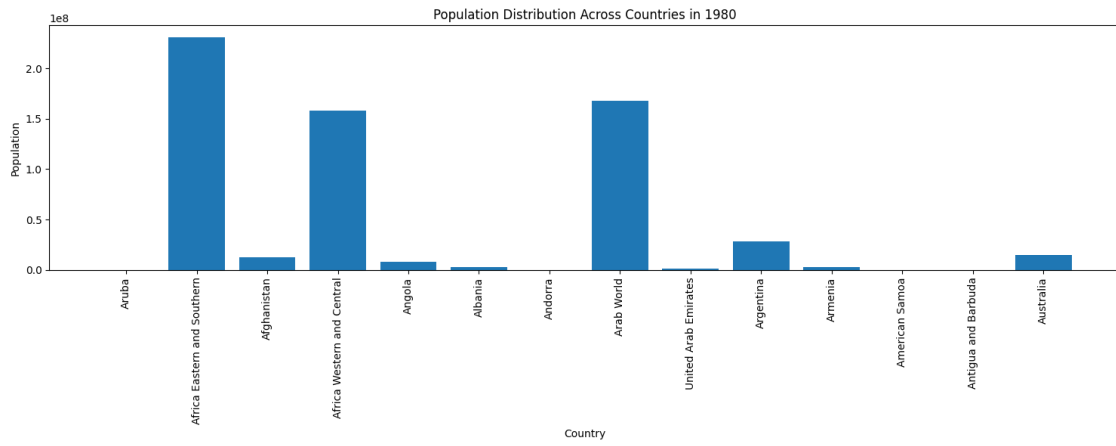
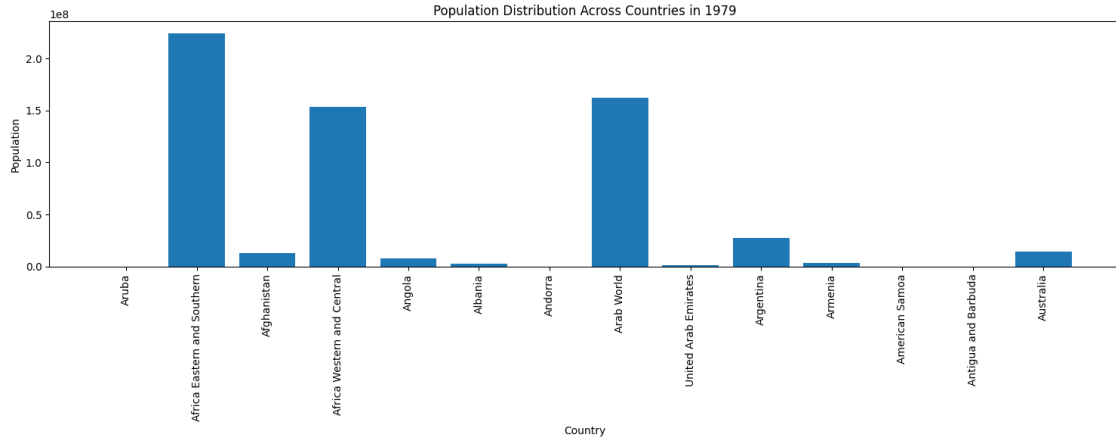




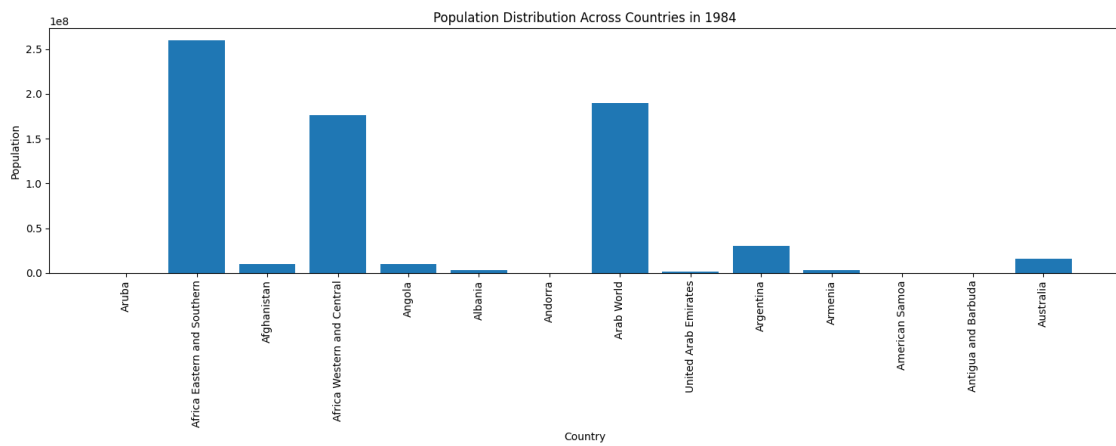
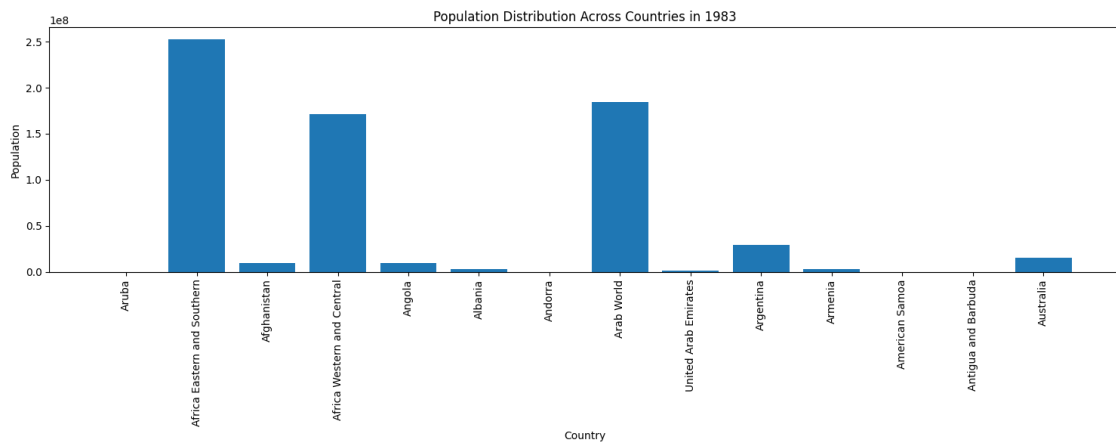
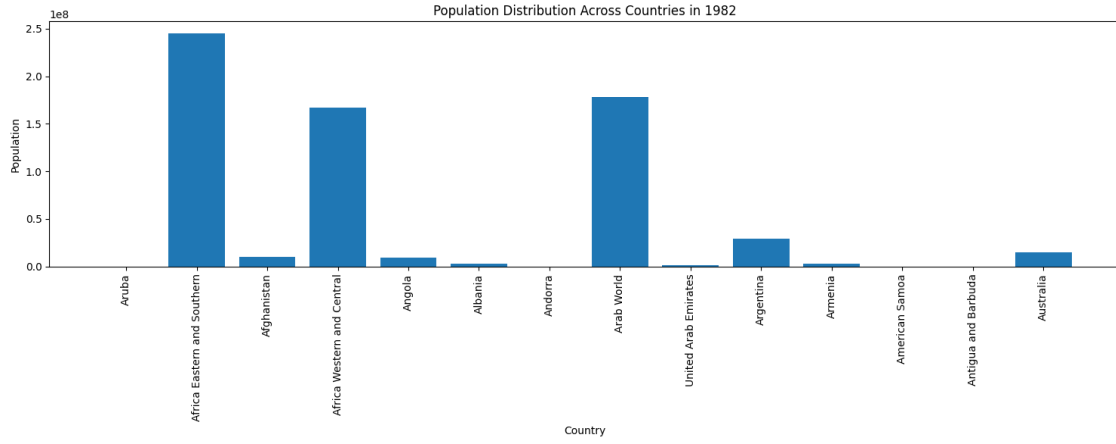


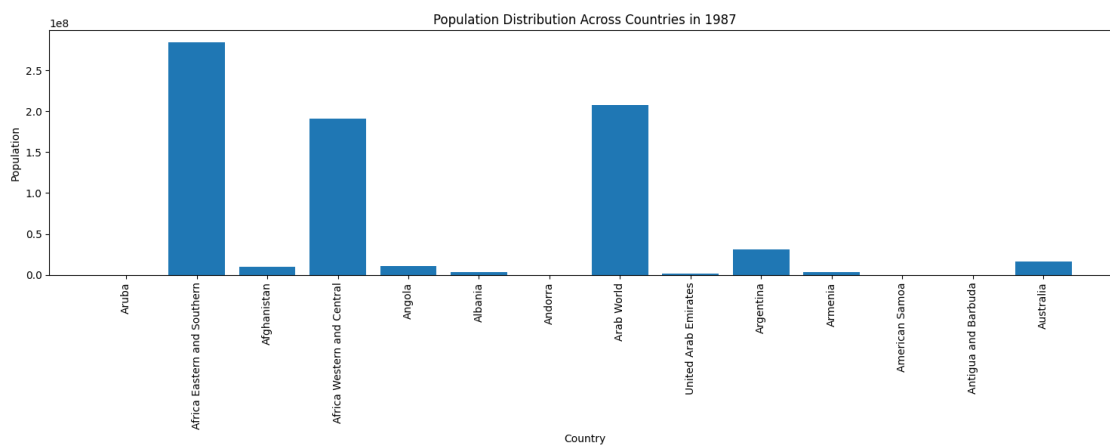
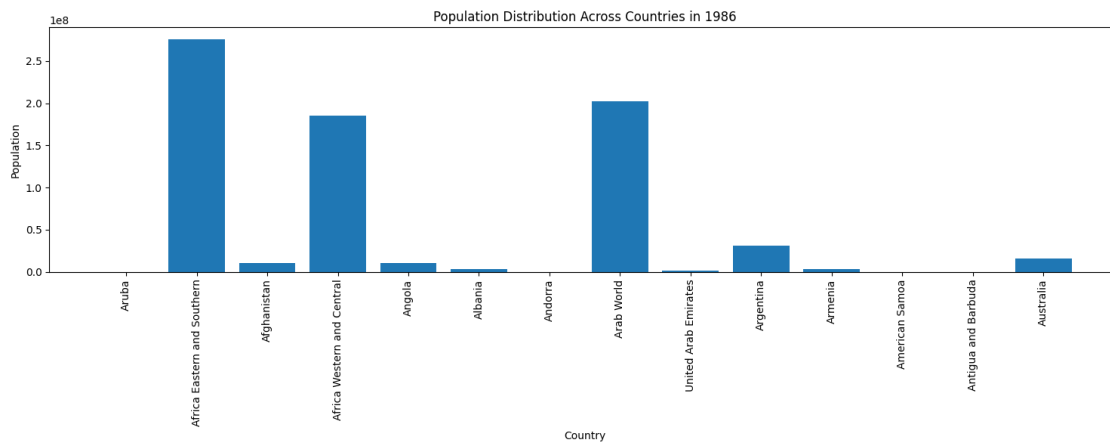
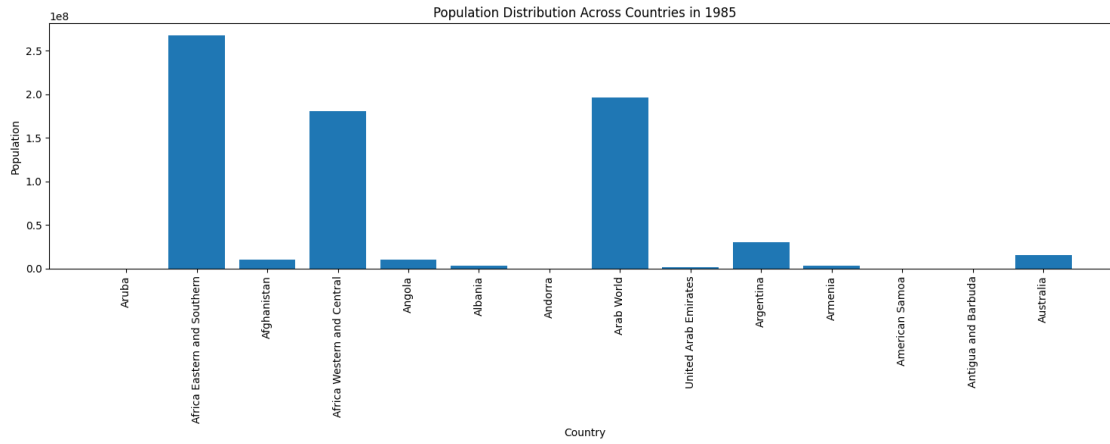


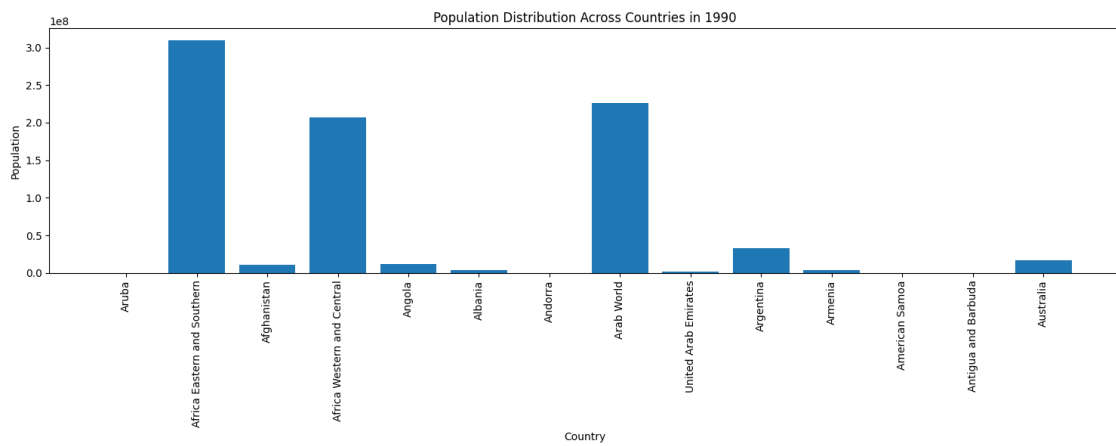
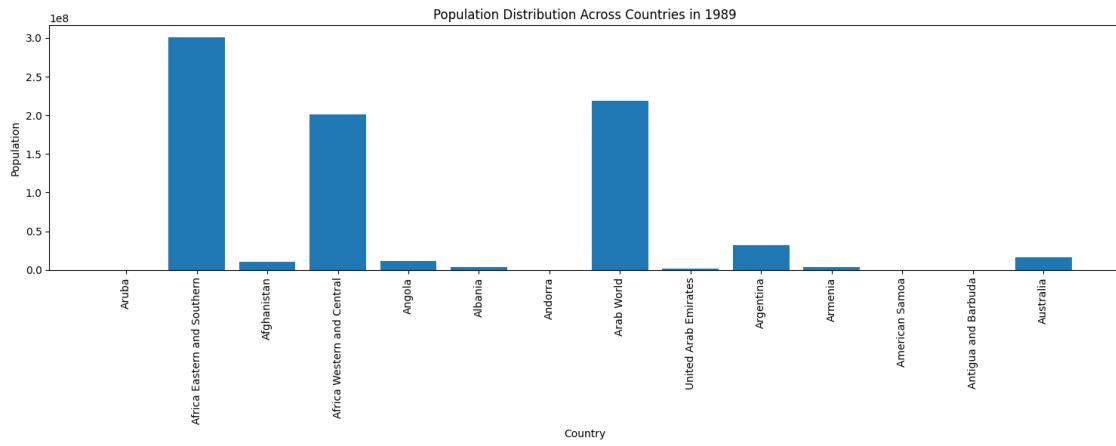
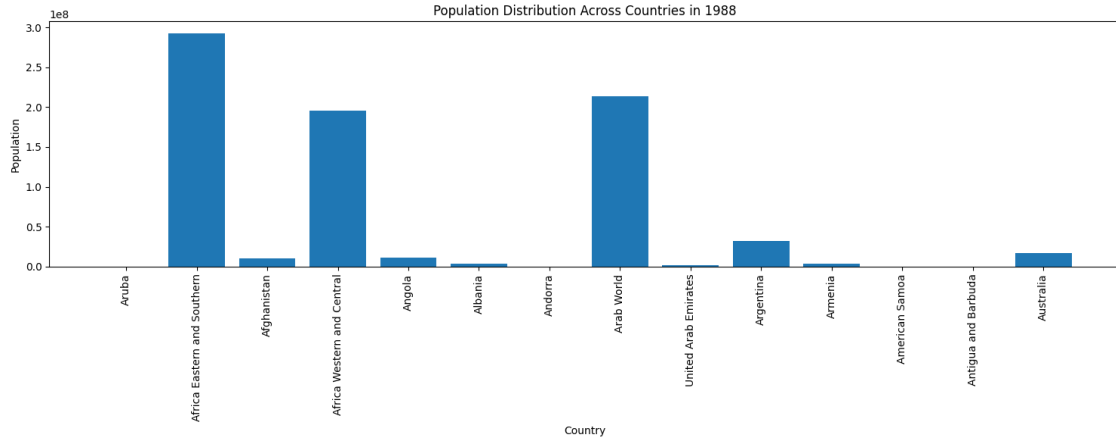


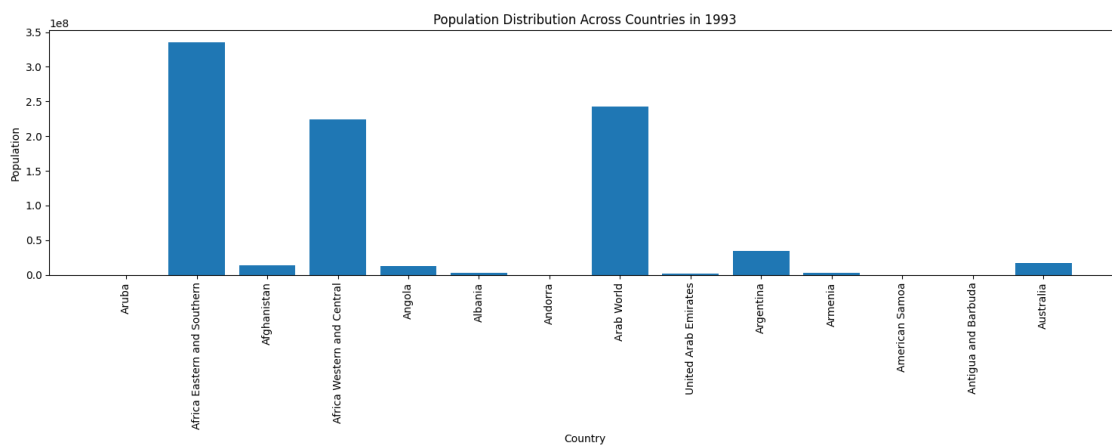
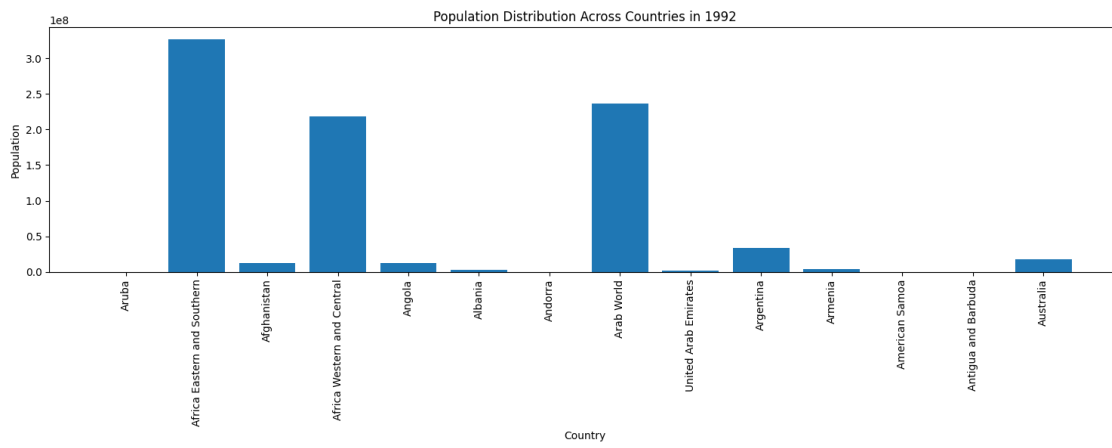
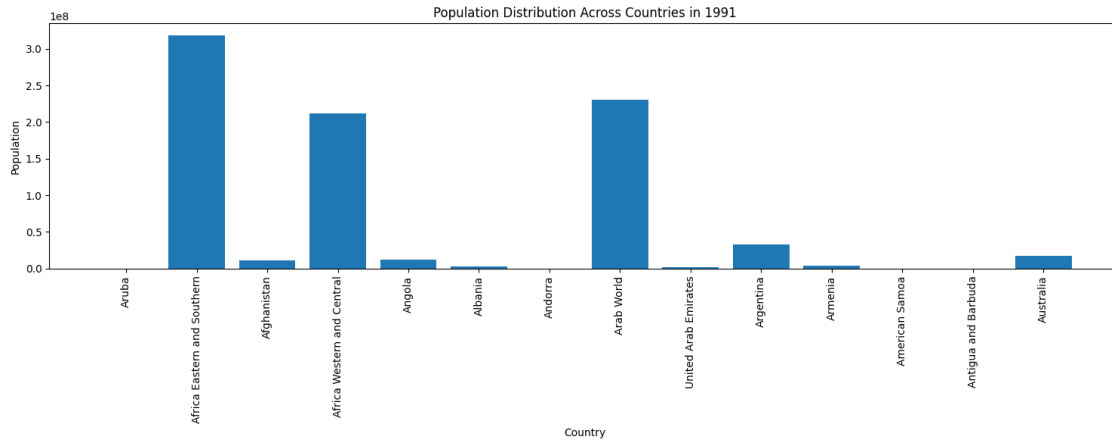


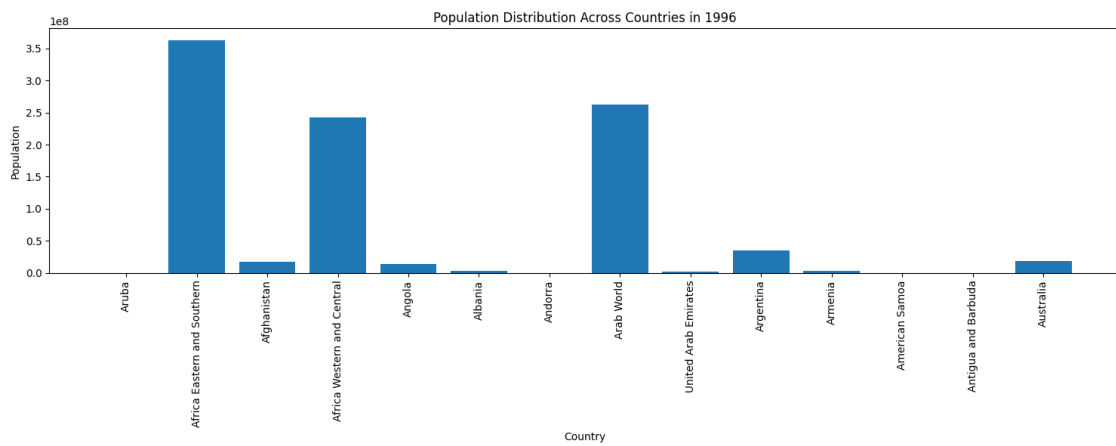
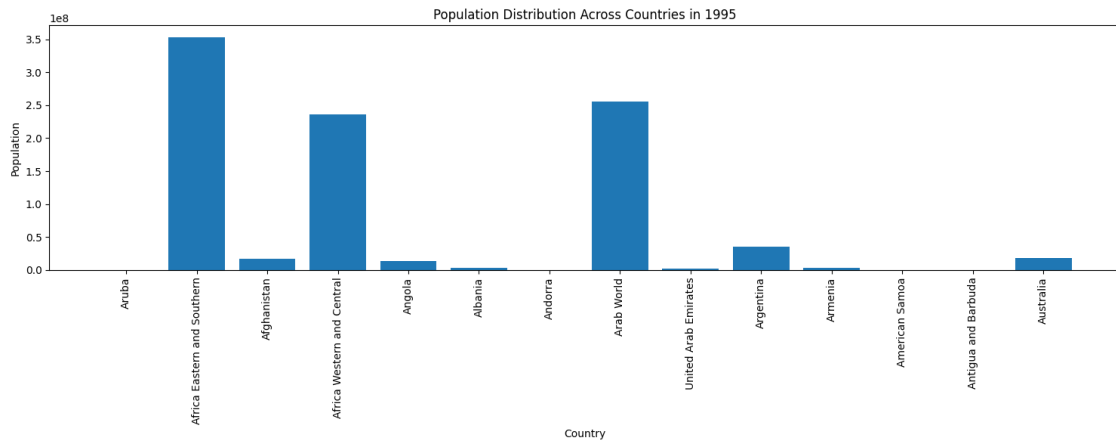
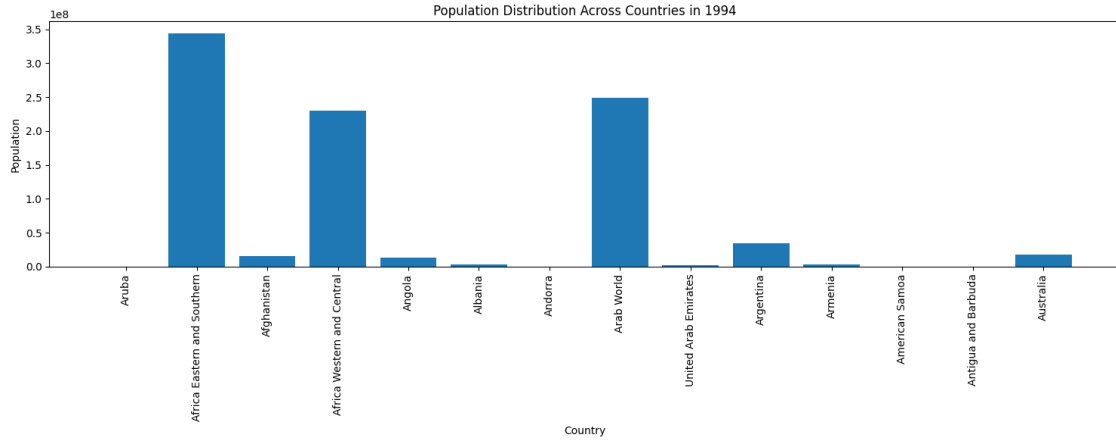


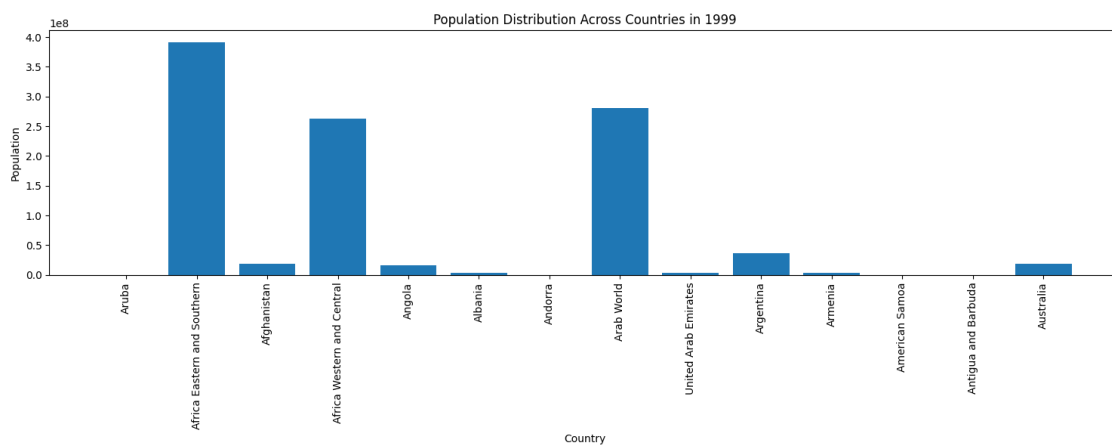
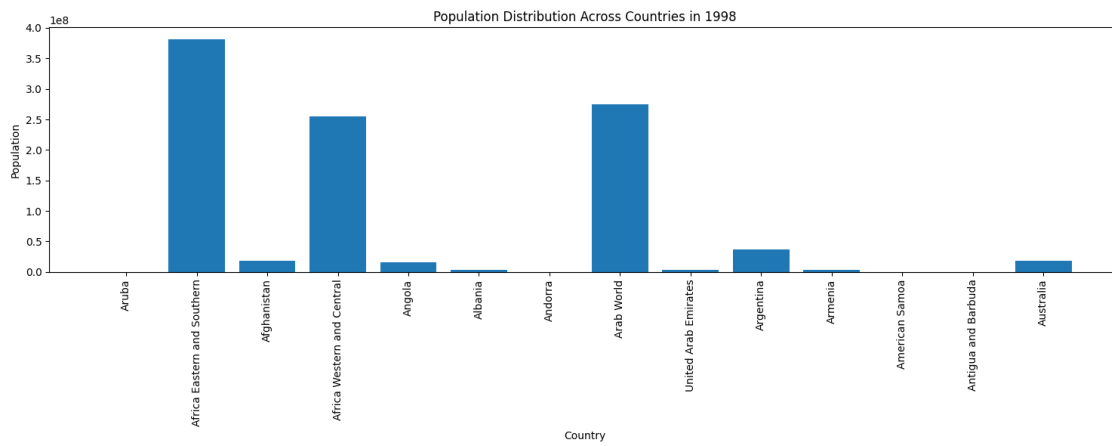
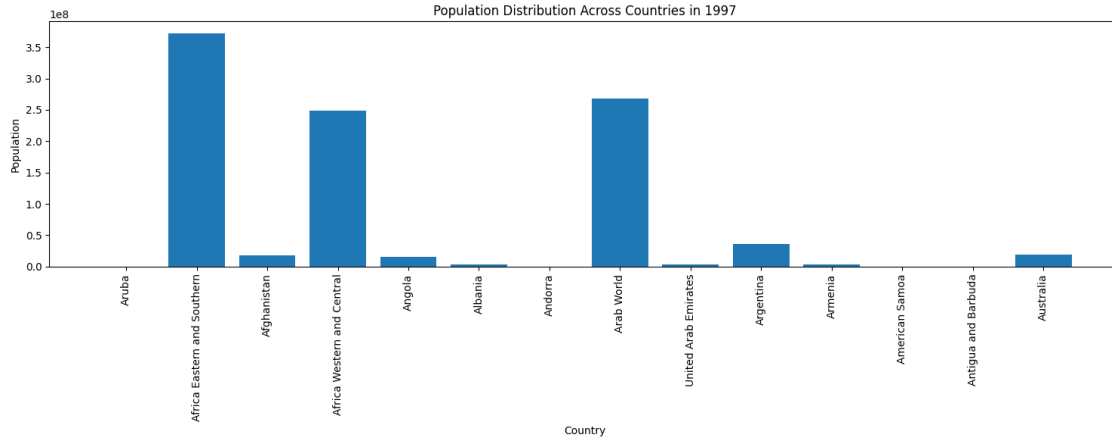


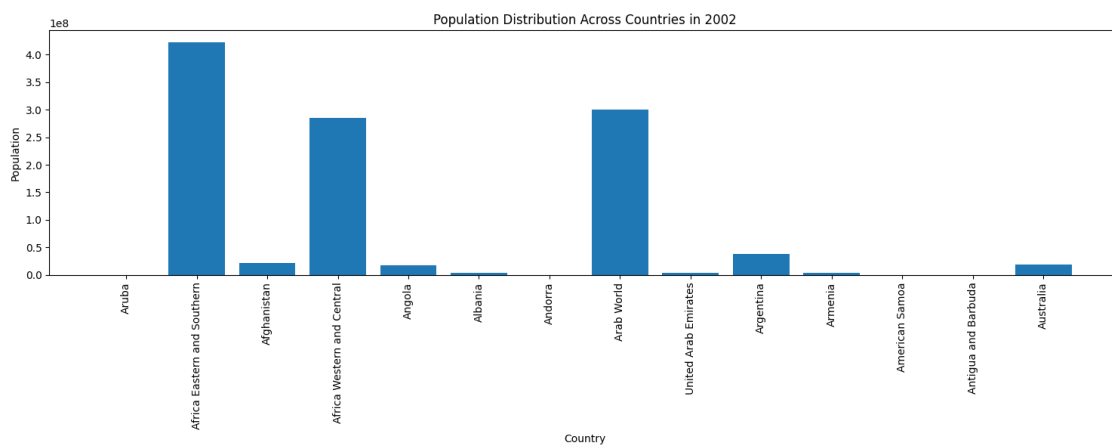
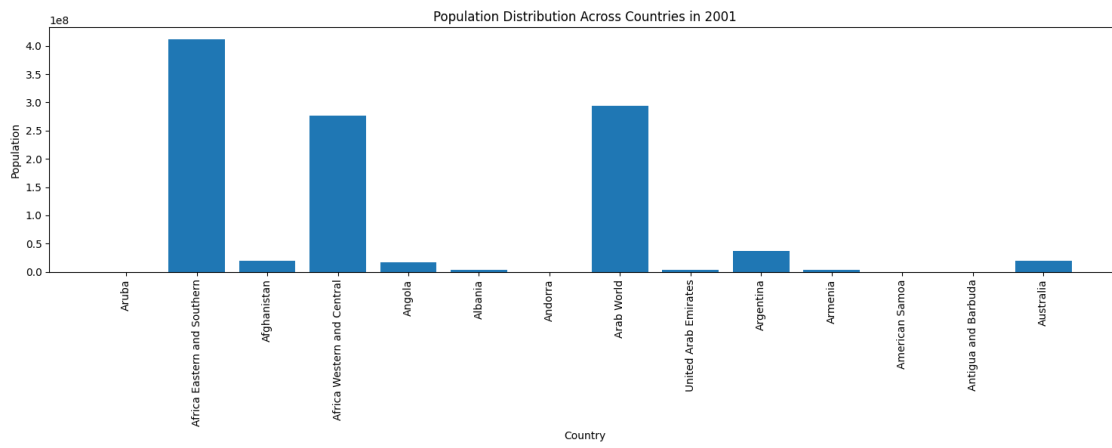
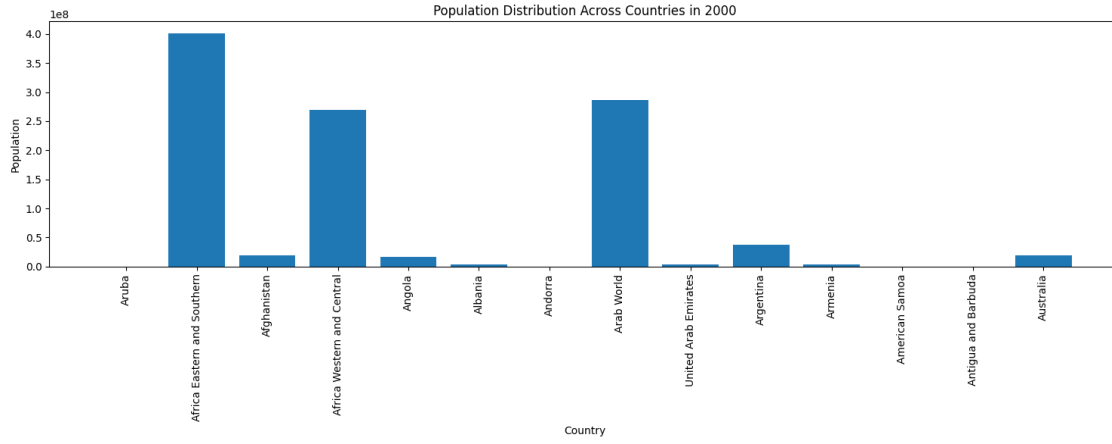


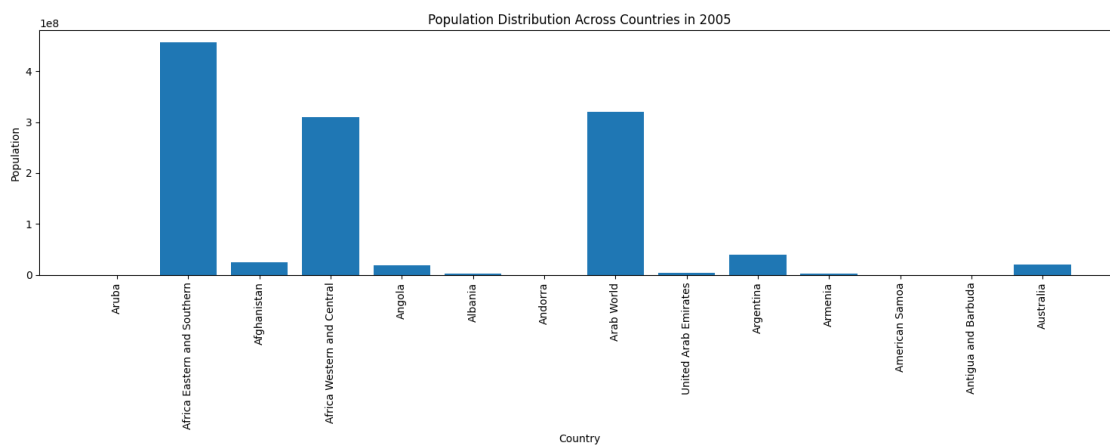
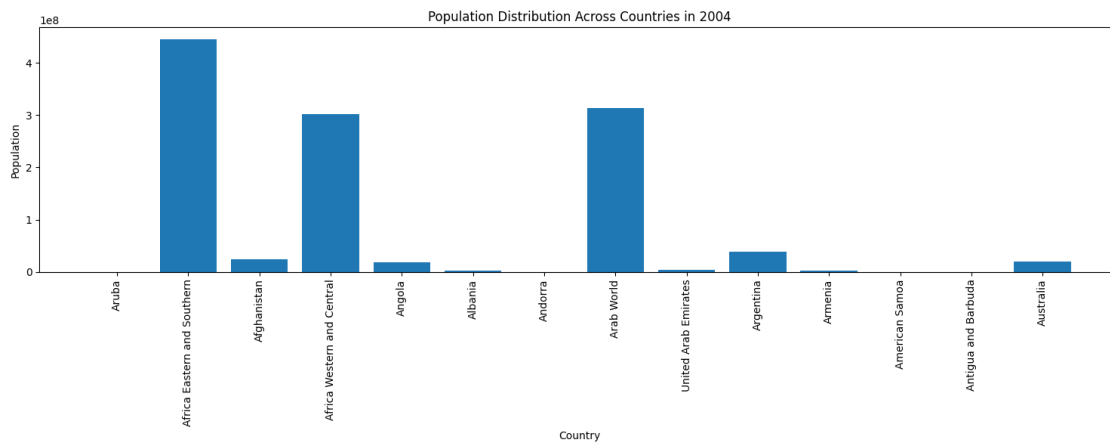
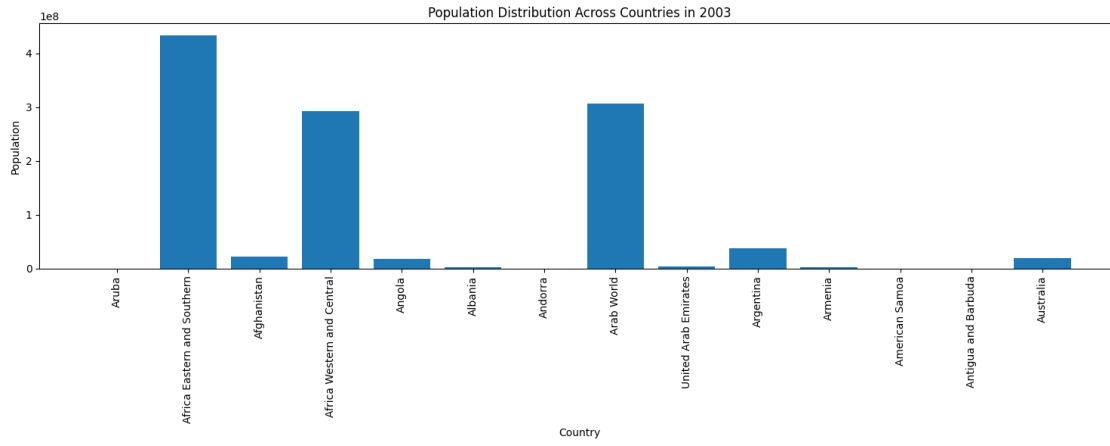




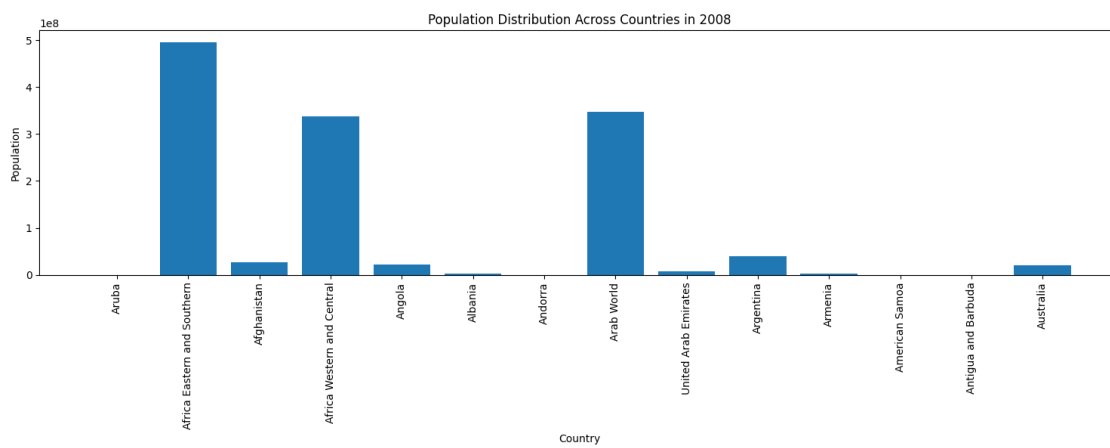
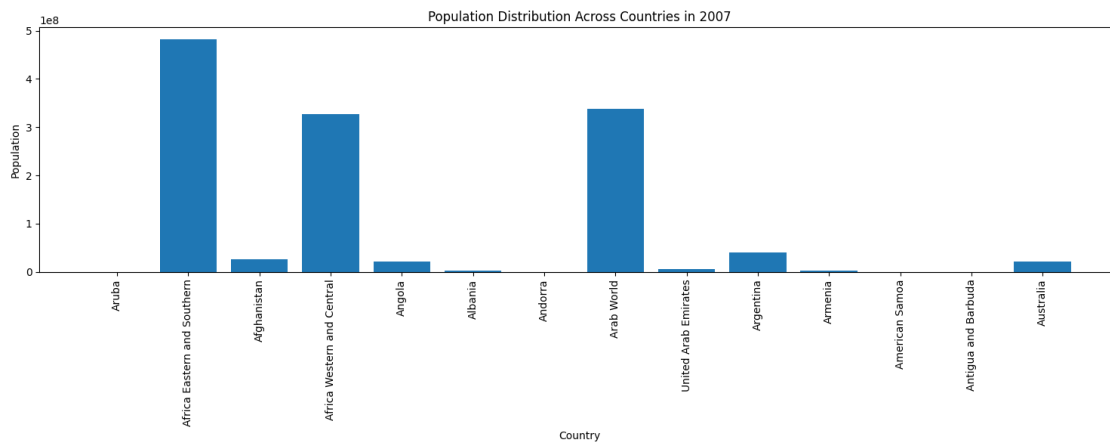
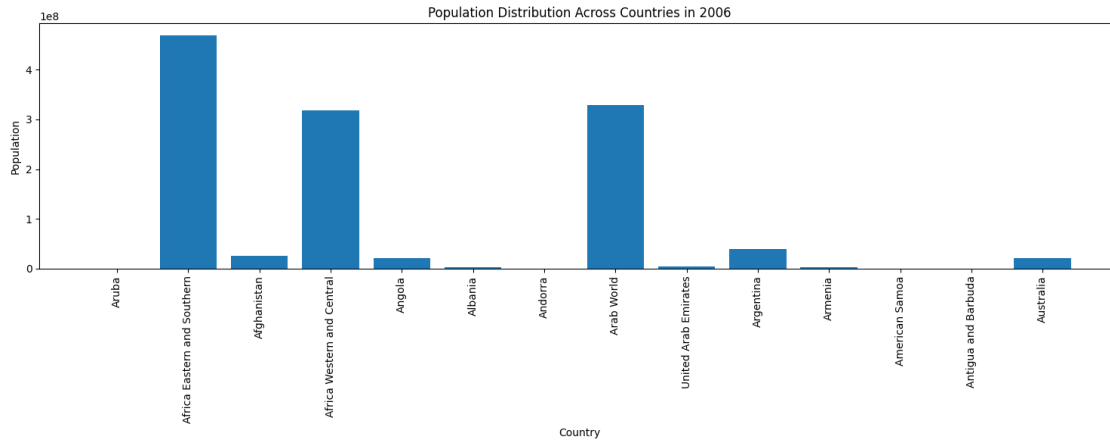


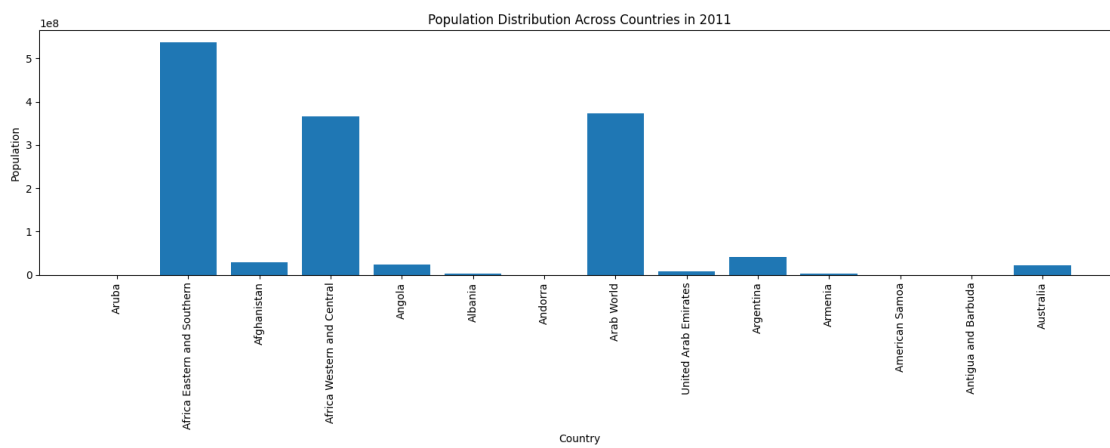
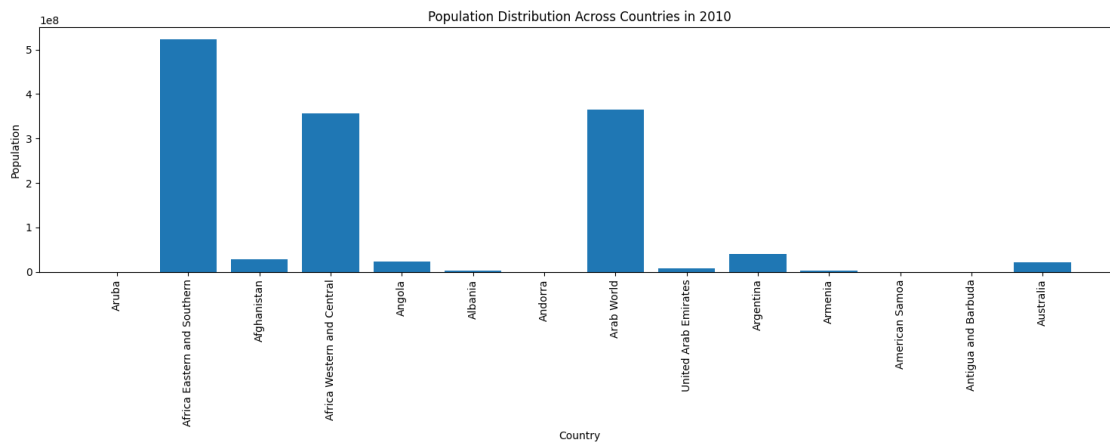
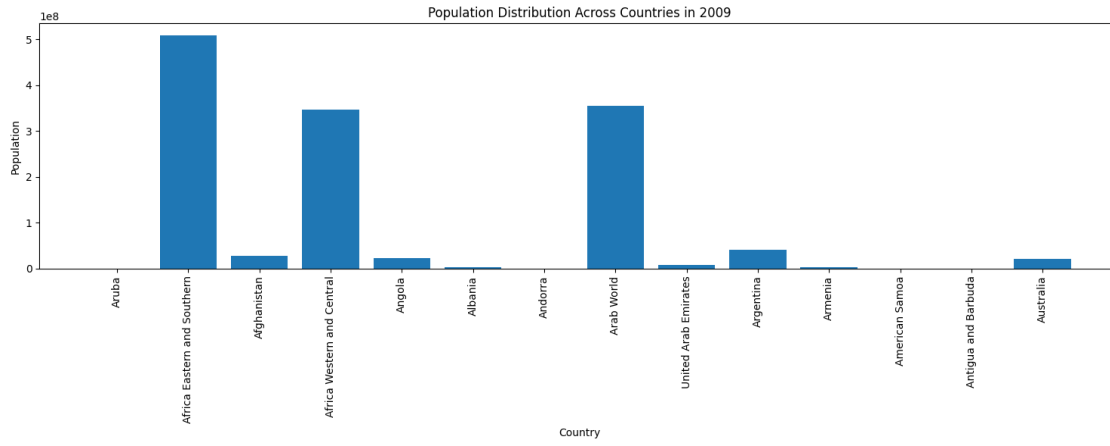


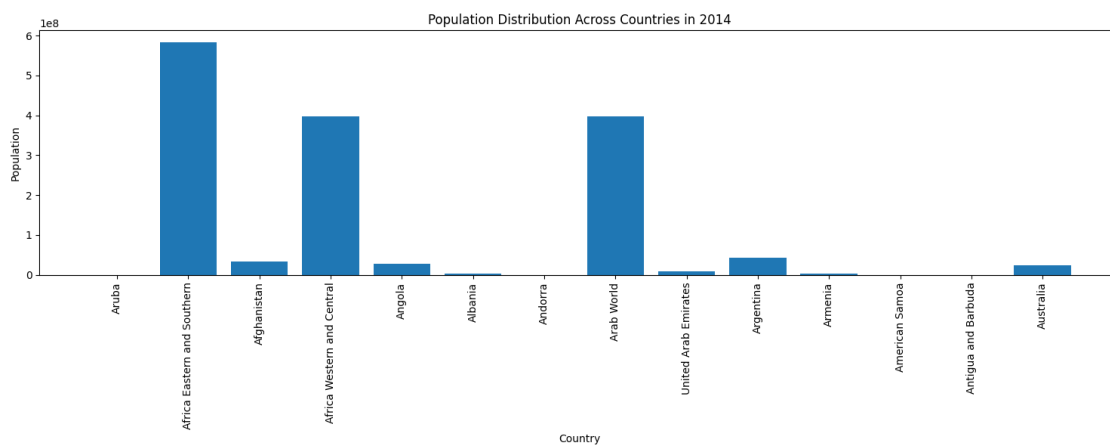
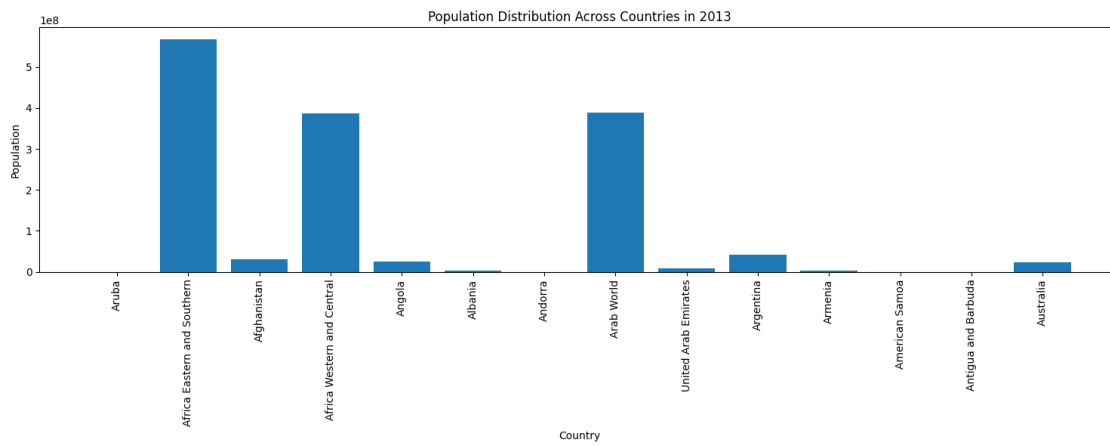
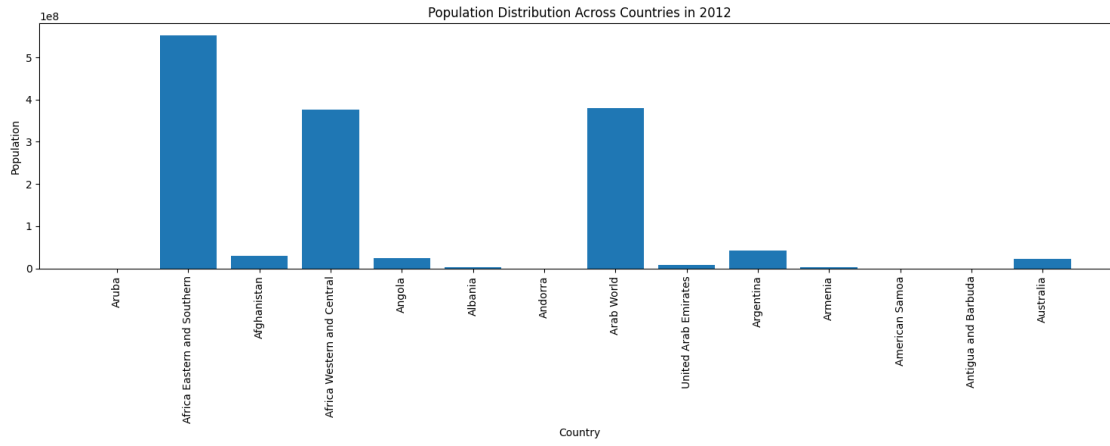


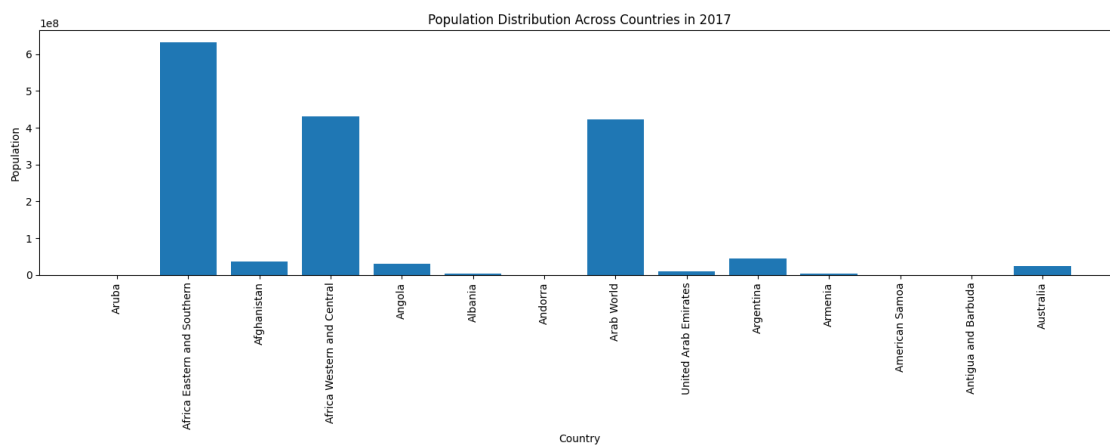
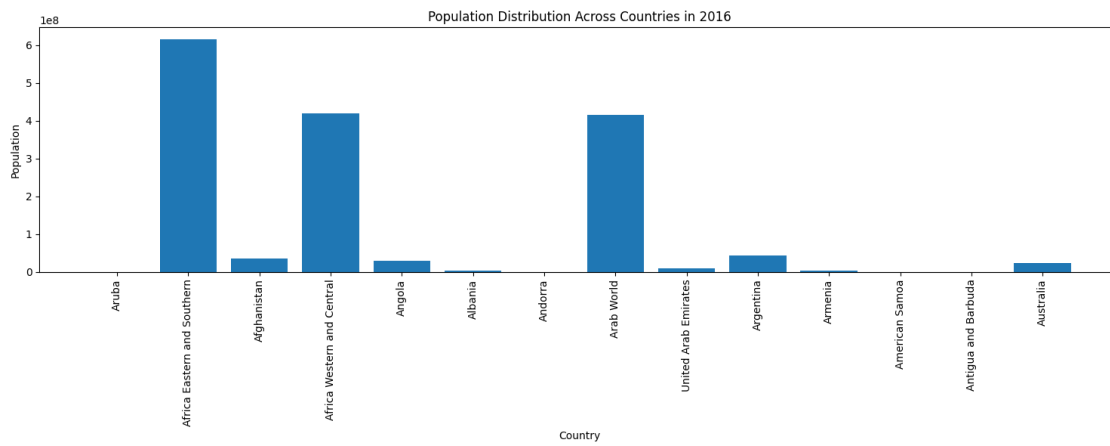
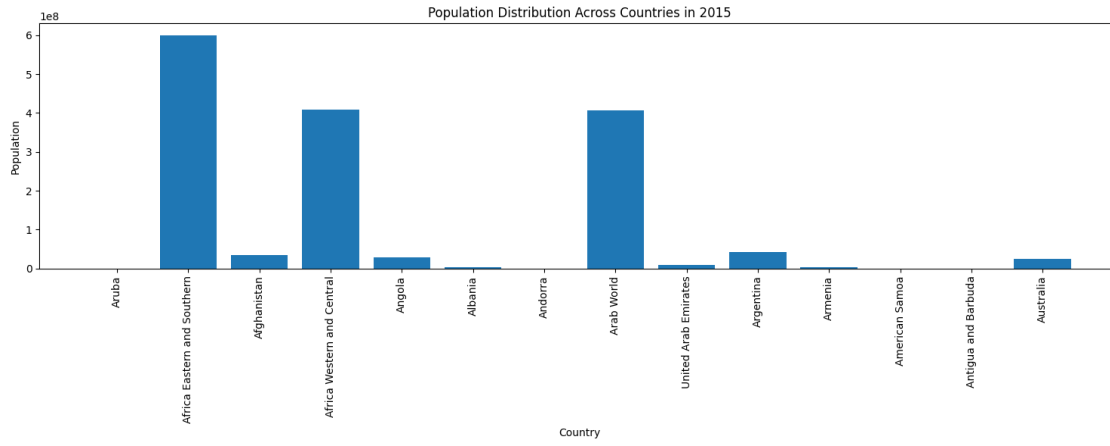


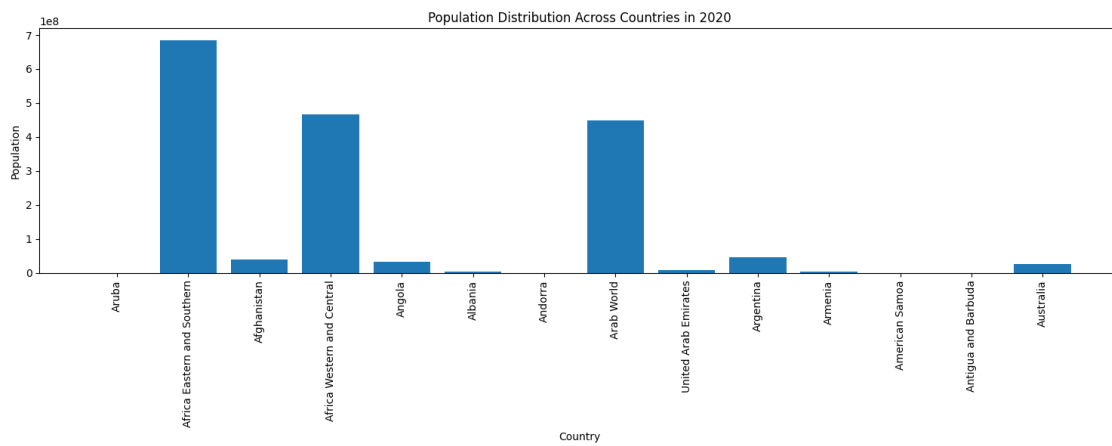
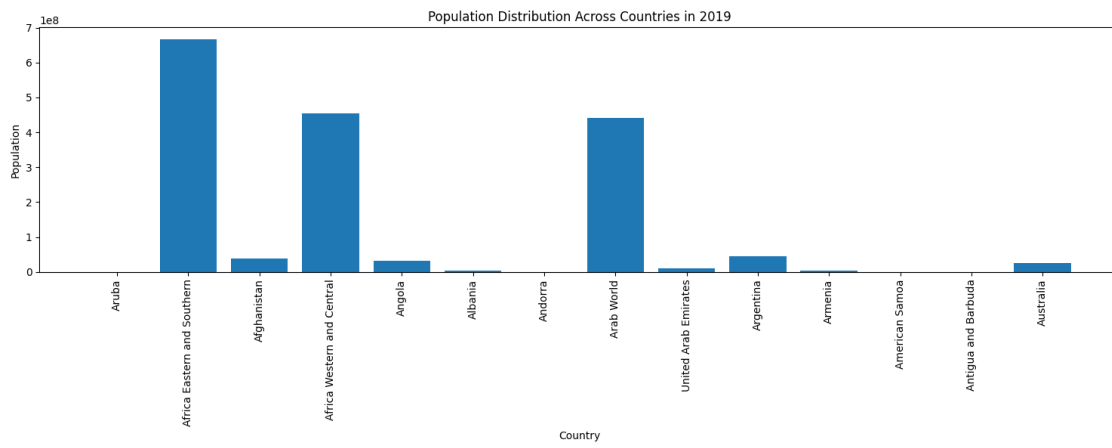
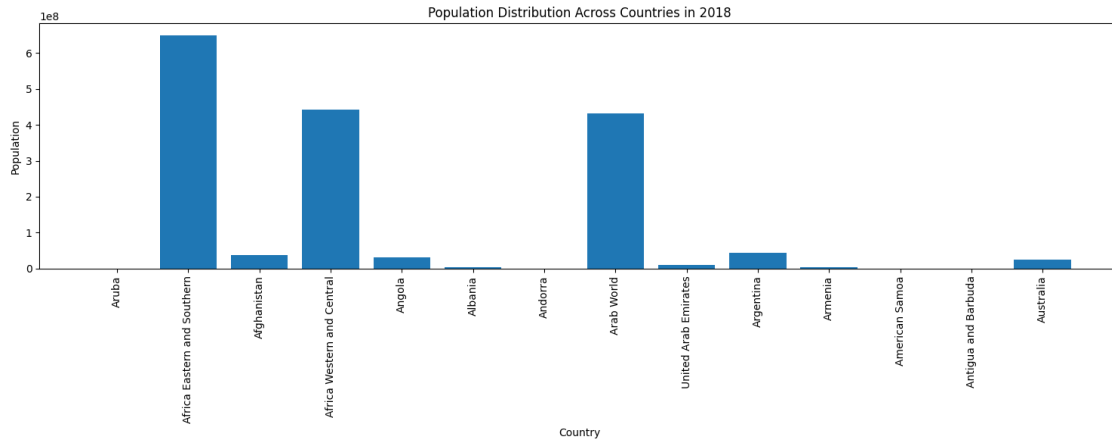


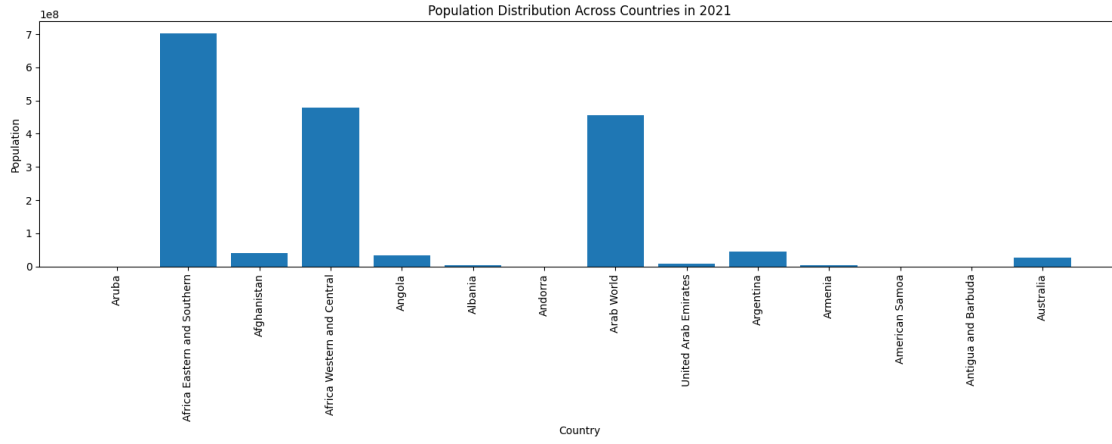












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