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


data = {
'City': ["New York", "Los Angeles", "Chicago", "Houston", "Phoenix"],
'Country': ["USA", "USA", "USA", "USA", "USA"],
'Population': [8537673, 3976322, 2704958, 2303482, 1680992],
'Latitude': [40.7128, 34.0522, 41.8781, 29.7604, 33.4484],
'Longitude': [-74.0060, -118.2437, -87.6298, -95.3698, -112.0740]
}
cities = pd.DataFrame(data)
print(cities)



plt.figure(figsize=(8, 6))
sns.scatterplot(data=cities, x='Longitude', y='Latitude', hue='City', s=100)
plt.title('Cities Scatter Plot with Seaborn')
plt.xlabel('Longitude')
plt.ylabel('Latitude')
plt.legend(title='City', loc='upper left', bbox_to_anchor=(1,1))
plt.grid(True)
plt.show()


labels = cities['City']
sizes = cities['Population']

plt.figure(figsize=(8, 6))
plt.pie(sizes, labels=labels, autopct='%1.1f%%', startangle=140)
plt.axis('equal')  # Equal aspect ratio ensures that pie is drawn as a circle
plt.title('Population Distribution of Cities with Matplotlib')
plt.show()
```