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

df = pd.read_csv('/content/drive/MyDrive/Population.csv').head(20)

#Bar Graph
plt.xlabel('Country Name')
plt.ylabel('1960')
plt.plot(df['Country Name'],df['1961'])
plt.xticks(rotation=90)
```

```
([0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19],
 [Text(0, 0, 'Aruba'),
  Text(1, 0, 'Africa Eastern and Southern'),
  Text(2, 0, 'Afghanistan'),
  Text(3, 0, 'Africa Western and Central'),
  Text(4, 0, 'Angola'),
  Text(5, 0, 'Albania'),
  Text(6, 0, 'Andorra'),
  Text(7, 0, 'Arab World'),
  Text(8, 0, 'United Arab Emirates'),
  Text(9, 0, 'Argentina'),
  Text(10, 0, 'Armenia'),
  Text(11, 0, 'American Samoa'),
  Text(12, 0, 'Antigua and Barbuda'),
  Text(13, 0, 'Australia'),
  Text(14, 0, 'Austria'),
  Text(15, 0, 'Azerbaijan'),
  Text(16, 0, 'Burundi'),
  Text(17, 0, 'Belgium'),
  Text(18, 0, 'Benin'),
  Text(19, 0, 'Burkina Faso')])
```
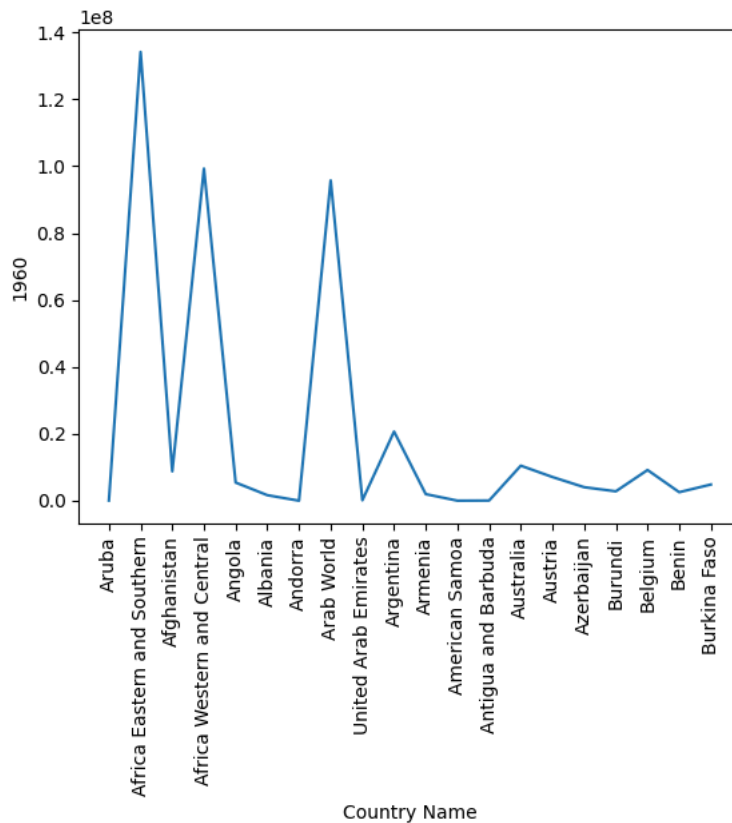


```python
from google.colab import drive
drive.mount('/content/drive')
```

```python
import pandas as pd
import matplotlib.pyplot as plt
from sklearn.linear_model import LinearRegression
df = pd.read_csv('/content/drive/MyDrive/Population.csv')

# Create NumPy arrays from your Series
X = df[["2010"]].to_numpy()
y = df["2020"].to_numpy()

# Fit the model
model = LinearRegression().fit(X, y)

# Plot the regression line using matplotlib (alternative to plot regress exog)
```

```
plt.scatter(X, y)
plt.plot(X, model.predict(X), color='red')  # Predict and plot the regression line
plt.show()
```