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

df = pd.read_csv('/Users/aaryanbabuta/Documents/Prodigy DS Internship June 2024/Task 1 data Prodigy/Metadata_Country_API_SP.POP.TOTL_DS2_en_csv_v2_45183.csv')

df
```

	Country Code	Region	IncomeGroup	\
0	ABW	Latin America & Caribbean	High income	
1	AFE	NaN	NaN	
2	AFG	South Asia	Low income	
3	AFW	NaN	NaN	
4	AGO	Sub-Saharan Africa	Lower middle income	
..	...	...	...	
260	XKX	Europe & Central Asia	Upper middle income	
261	YEM	Middle East & North Africa	Low income	
262	ZAF	Sub-Saharan Africa	Upper middle income	
263	ZMB	Sub-Saharan Africa	Lower middle income	
264	ZWE	Sub-Saharan Africa	Lower middle income	

	SpecialNotes	\
0	NaN	
1	26 countries, stretching from the Red Sea in t...	
2	The reporting period for national accounts dat...	
3	22 countries, stretching from the westernmost ...	
4	The World Bank systematically assesses the app...	
..	...	
260	NaN	
261	The World Bank systematically assesses the app...	
262	Fiscal year end: March 31; reporting period fo...	
263	National accounts data were rebased to reflect...	
264	National Accounts data are reported in Zimbabw...	

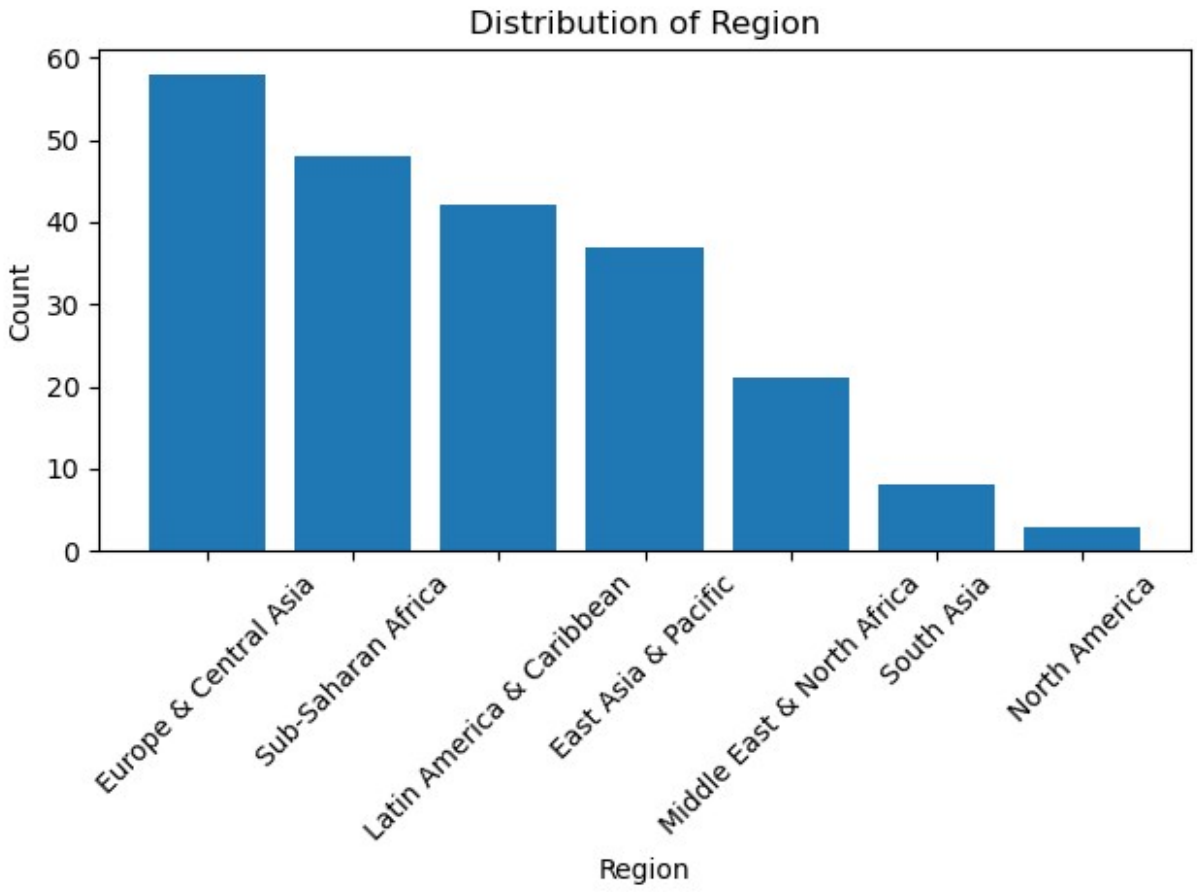
	TableName	Unnamed: 5
0	Aruba	NaN
1	Africa Eastern and Southern	NaN
2	Afghanistan	NaN
3	Africa Western and Central	NaN
4	Angola	NaN
..	...	...
260	Kosovo	NaN
261	Yemen, Rep.	NaN
262	South Africa	NaN
263	Zambia	NaN
264	Zimbabwe	NaN

[265 rows x 6 columns]

```
gender_count = df['Region'].value_counts()
bar_width = 0.8
x=range(len(gender_count.index))

plt.bar(gender_count.index,gender_count.values)
plt.xlabel('Region')
plt.ylabel('Count')
plt.title('Distribution of Region')

plt.xticks(x,gender_count.index,rotation=45)
plt.tight_layout()
plt.show()
```




```
df.info()

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 265 entries, 0 to 264
Data columns (total 6 columns):
 #   Column        Non-Null Count  Dtype
---  ------        --------------  -----
 0   Country Code  265 non-null    object
 1   Region        217 non-null    object
```

```
 2   IncomeGroup   216 non-null    object
 3   SpecialNotes  126 non-null    object
 4   TableName     265 non-null    object
 5   Unnamed: 5    0 non-null      float64
dtypes: float64(1), object(5)
memory usage: 12.6+ KB
```

```
df.isnull().sum()
```

```
Country Code      0
Region           48
IncomeGroup      49
SpecialNotes    139
TableName         0
Unnamed: 5      265
dtype: int64
```