```python
In [1]: import numpy as np
        import pandas as pd
        import seaborn as sns
        import matplotlib.pyplot as plt
```

```python
import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
```

```
In [2]:  df1=pd.read_csv('Metadata_Country.csv')
         df1
```
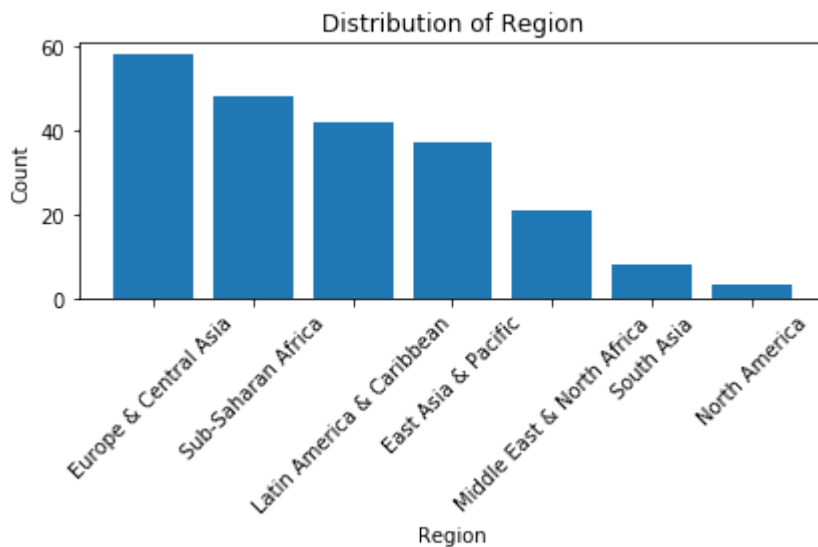
Out[2]:

	Country Code	Region	IncomeGroup	SpecialNotes	TableName
0	ABW	Latin America & Caribbean	High income	NaN	Aruba
1	AFE	NaN	NaN	26 countries, stretching from the Red Sea in t...	Africa Eastern and Southern
2	AFG	South Asia	Low income	The reporting period for national accounts dat...	Afghanistan
3	AFW	NaN	NaN	22 countries, stretching from the westernmost ...	Africa Western and Central
4	AGO	Sub-Saharan Africa	Lower middle income	The World Bank systematically assesses the app...	Angola
5	ALB	Europe & Central Asia	Upper middle income	NaN	Albania
6	AND	Europe & Central Asia	High income	NaN	Andorra
7	ARB	NaN	NaN	Arab World aggregate. Arab World is composed o...	Arab World
8	ARE	Middle East & North Africa	High income	NaN	United Arab Emirates
9	ARG	Latin America & Caribbean	Upper middle income	The World Bank systematically assesses the app...	Argentina
10	ARM	Europe & Central Asia	Upper middle income	NaN	Armenia
11	ASM	East Asia & Pacific	High income	NaN	American Samoa
12	ATG	Latin America & Caribbean	High income	NaN	Antigua and Barbuda
13	AUS	East Asia & Pacific	High income	The reporting period for national accounts dat...	Australia
14	AUT	Europe & Central Asia	High income	A simple multiplier is used to convert the nat...	Austria
15	AZE	Europe & Central Asia	Upper middle income	NaN	Azerbaijan
16	BDI	Sub-Saharan Africa	Low income	The World Bank systematically assesses the app...	Burundi
17	BEL	Europe & Central Asia	High income	A simple multiplier is used to convert the nat...	Belgium
18	BEN	Sub-Saharan Africa	Lower middle income	NaN	Benin
19	BFA	Sub-Saharan Africa	Low income	NaN	Burkina Faso
20	BGD	South Asia	Lower middle income	The reporting period for national accounts dat...	Bangladesh
21	BGR	Europe & Central Asia	Upper middle income	NaN	Bulgaria
22	BHR	Middle East & North Africa	High income	NaN	Bahrain

	Country Code	Region	IncomeGroup	SpecialNotes	TableName
23	BHS	Latin America & Caribbean	High income	NaN	Bahamas, The
24	BIH	Europe & Central Asia	Upper middle income	NaN	Bosnia and Herzegovina
25	BLR	Europe & Central Asia	Upper middle income	Data before 2015 were adjusted to reflect the ...	Belarus
26	BLZ	Latin America & Caribbean	Upper middle income	NaN	Belize
27	BMU	North America	High income	NaN	Bermuda
28	BOL	Latin America & Caribbean	Lower middle income	NaN	Bolivia
29	BRA	Latin America & Caribbean	Upper middle income	NaN	Brazil
...	...	...	...	...	...
235	TLA	NaN	NaN	Latin America & the Caribbean (IDA & IBRD coun...	Latin America & Caribbean (IDA & IBRD)
236	TLS	East Asia & Pacific	Lower middle income	NaN	Timor-Leste
237	TMN	NaN	NaN	Middle East & North Africa (IDA & IBRD countri...	Middle East & North Africa (IDA & IBRD)
238	TON	East Asia & Pacific	Upper middle income	The reporting period for national accounts dat...	Tonga
239	TSA	NaN	NaN	South Asia (IDA & IBRD countries) aggregate.	South Asia (IDA & IBRD)
240	TSS	NaN	NaN	Sub-Saharan Africa (IDA & IBRD countries) aggr...	Sub-Saharan Africa (IDA & IBRD)
241	TTO	Latin America & Caribbean	High income	NaN	Trinidad and Tobago
242	TUN	Middle East & North Africa	Lower middle income	NaN	Tunisia
243	TUR	Europe & Central Asia	Upper middle income	NaN	Türkiye
244	TUV	East Asia & Pacific	Upper middle income	NaN	Tuvalu
245	TZA	Sub-Saharan Africa	Lower middle income	NaN	Tanzania
246	UGA	Sub-Saharan Africa	Low income	The reporting period for national accounts dat...	Uganda
247	UKR	Europe & Central Asia	Lower middle income	NaN	Ukraine
248	UMC	NaN	NaN	Upper middle income group aggregate. Upper-mid...	Upper middle income
249	URY	Latin America & Caribbean	High income	NaN	Uruguay
250	USA	North America	High income	NaN	United States
251	UZB	Europe & Central Asia	Lower middle income	NaN	Uzbekistan

	Country Code	Region	IncomeGroup	SpecialNotes	TableName
252	VCT	Latin America & Caribbean	Upper middle income	NaN	St. Vincent and the Grenadines
253	VEN	Latin America & Caribbean	NaN	NaN	Venezuela, RB
254	VGB	Latin America & Caribbean	High income	NaN	British Virgin Islands
255	VIR	Latin America & Caribbean	High income	NaN	Virgin Islands (U.S.)
256	VNM	East Asia & Pacific	Lower middle income	NaN	Viet Nam
257	VUT	East Asia & Pacific	Lower middle income	NaN	Vanuatu
258	WLD	NaN	NaN	NaN	World
259	WSM	East Asia & Pacific	Lower middle income	The reporting period for national accounts dat...	Samoa
260	XKX	Europe & Central Asia	Upper middle income	NaN	Kosovo
261	YEM	Middle East & North Africa	Low income	The World Bank systematically assesses the app...	Yemen, Rep.
262	ZAF	Sub-Saharan Africa	Upper middle income	Fiscal year end: March 31; reporting period fo...	South Africa
263	ZMB	Sub-Saharan Africa	Lower middle income	National accounts data were rebased to reflect...	Zambia
264	ZWE	Sub-Saharan Africa	Lower middle income	National Accounts data are reported in Zimbabw...	Zimbabwe

265 rows × 5 columns

In [3]:
```python
gender_counts=df1['Region'].value_counts()
bar_width=0.9
x=range(len(gender_counts.index))
plt.bar(gender_counts.index,gender_counts.values)
plt.xlabel('Region')
plt.ylabel('Count')
plt.title('Distribution of Region')
plt.xticks(x,gender_counts.index,rotation=45)
plt.tight_layout()
plt.show()
```


In [5]:
```python
df1.shape
```

Out[5]: (265, 5)

In [6]:
```python
df1.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 265 entries, 0 to 264
Data columns (total 5 columns):
Country Code    265 non-null object
Region          217 non-null object
IncomeGroup     216 non-null object
SpecialNotes    126 non-null object
TableName       265 non-null object
dtypes: object(5)
memory usage: 10.4+ KB
```

In [7]:
```python
df1.describe()
```

Out[7]:

	Country Code	Region	IncomeGroup	SpecialNotes	TableName
count	265	217	216	126	265
unique	265	7	4	111	265
top	AFE	Europe & Central Asia	High income	The reporting period for national accounts dat...	Malaysia
freq	1	58	82	7	1

In [8]:
```python
df1.isnull().sum()
```

Out[8]:
```
Country Code       0
Region            48
IncomeGroup       49
SpecialNotes     139
TableName          0
dtype: int64
```

In [9]:
```python
df1.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 265 entries, 0 to 264
Data columns (total 5 columns):
Country Code     265 non-null object
Region           217 non-null object
IncomeGroup      216 non-null object
SpecialNotes     126 non-null object
TableName        265 non-null object
dtypes: object(5)
memory usage: 10.4+ KB
```

In [ ]: