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

```
In [3]: df= pd.read_csv(r"C:\Users\DELL\OneDrive\Desktop\annu1.csv")
        df
```
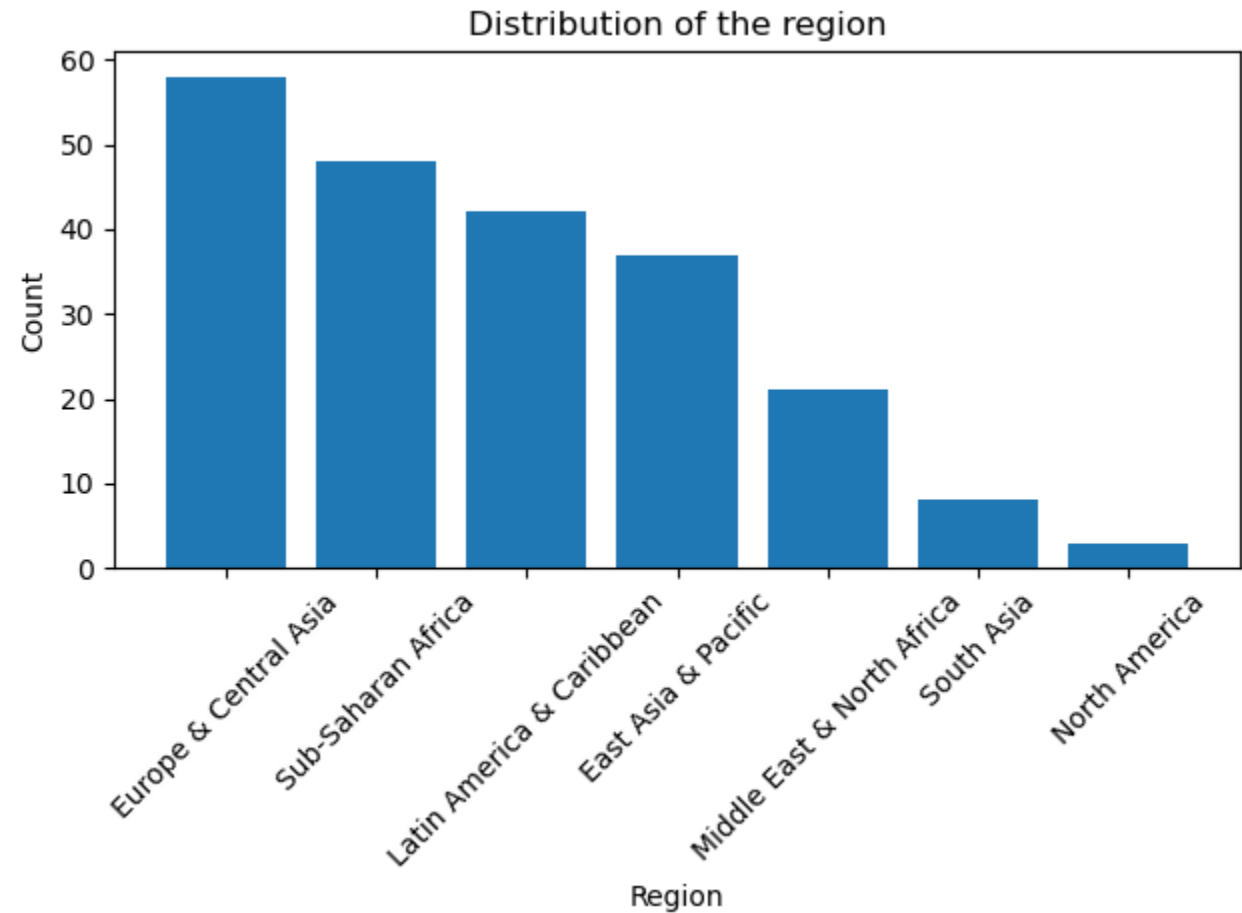
Out[3]:

| | 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 |
| ... | ... | ... | ... | ... | ... |
| 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 [4]: gender_counts=df["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 the region")

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



```
In [5]: df.shape
```

Out[5]: (265, 5)

```
In [7]: df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 265 entries, 0 to 264
Data columns (total 5 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  127 non-null    object
 4   TableName     265 non-null    object
dtypes: object(5)
memory usage: 10.5+ KB
```

```
In [9]: df.describe()
```

Out[9]:

| | Country Code | Region | IncomeGroup | SpecialNotes | TableName |
|---|---|---|---|---|---|
| count | 265 | 217 | 216 | 127 | 265 |
| unique | 265 | 7 | 4 | 112 | 265 |
| top | ABW | Europe & Central Asia | High income | The reporting period for national accounts dat... | Aruba |
| freq | 1 | 58 | 82 | 7 | 1 |

```
In [12]: df.isnull().sum()
```

```
Out[12]: Country Code      0
         Region           48
         IncomeGroup      49
         SpecialNotes    138
         TableName         0
         dtype: int64
```

```
In [ ]:
```