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

import warnings
warnings.filterwarnings("ignore")
print(sns.__version__)

df = pd.read_csv(r"C:\Users\vaddi\OneDrive\Desktop\assignment 4\
customer_segmentation_data.csv")

df[df['Age']==20]

df.shape

types = df.dtypes
types

df.columns

df.isnull().sum()

df.describe()

df.groupby('Segmentation Group').size()

plt.figure(figsize=(8, 6))
sns.countplot(data=df, x='Segmentation Group')
plt.title('Segmentation Group vise count')
plt.xlabel('Segmentation Group')
plt.ylabel('Count')
plt.show()

sns.set_style('whitegrid')
sns.countplot(x='Segmentation Group',data=df)

sns.countplot(data=df, x = 'Gender')

sns.countplot(data=df,x = 'Marital Status')
plt.title('Marital Status vise count')
plt.xlabel('Marital Status')
plt.ylabel('Count')
plt.show()

plt.figure(figsize=(10,8))
sns.countplot(data=df,y = 'Geographic Information')
plt.title('Geographic Information vise count')
plt.xlabel('Geographic Information')
plt.ylabel('Count')
plt.show()
```

```
sns.countplot(data=df,y = 'Education Level')

sns.countplot(data=df,y = 'Occupation')

sns.histplot(data=df, x="Premium Amount")
```