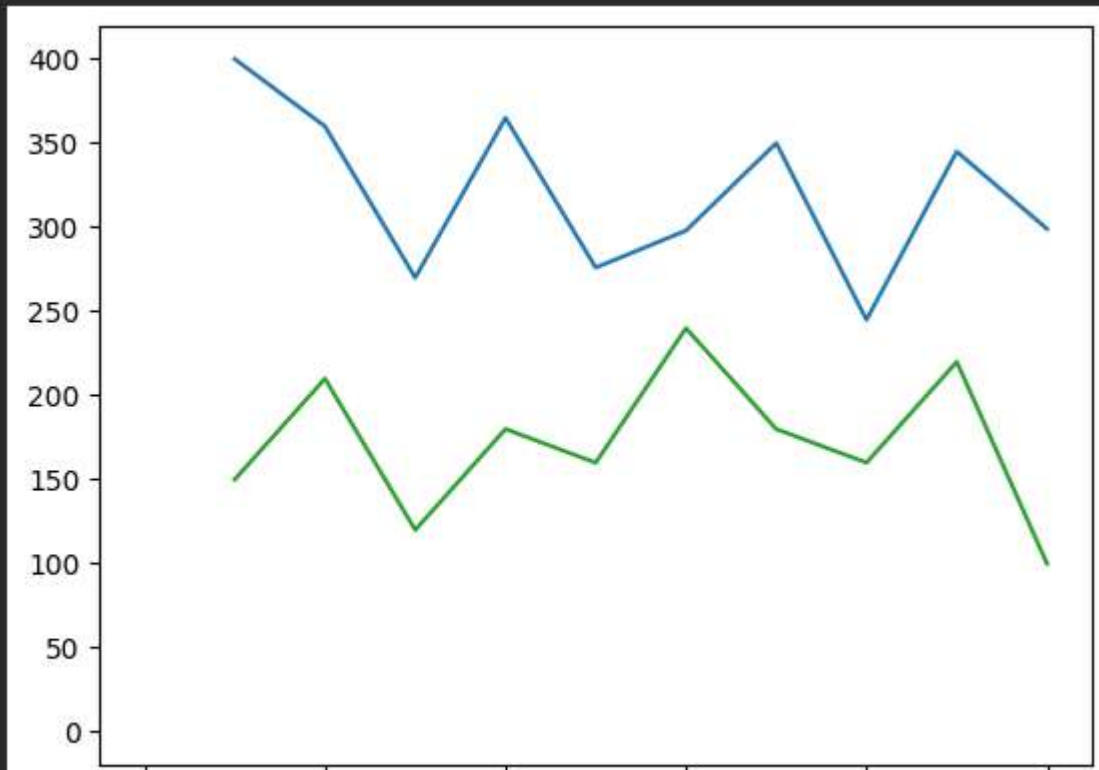
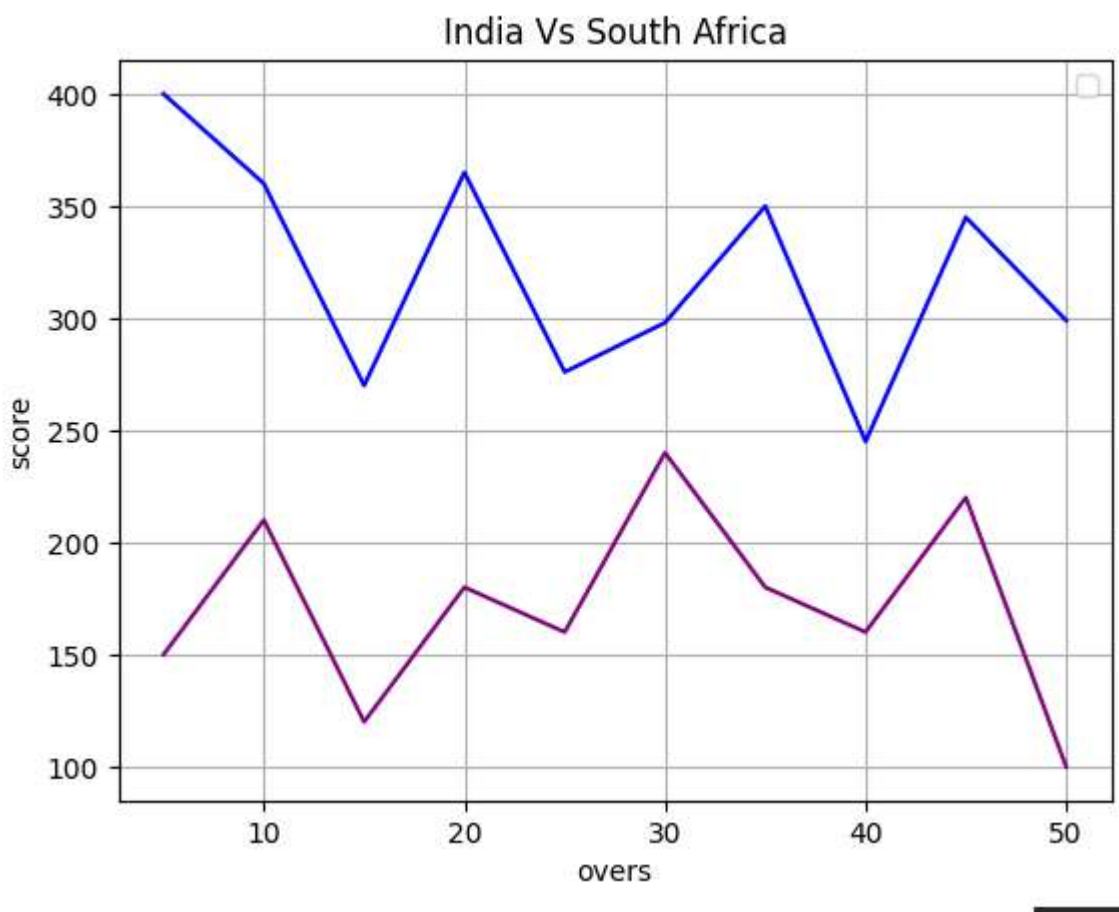
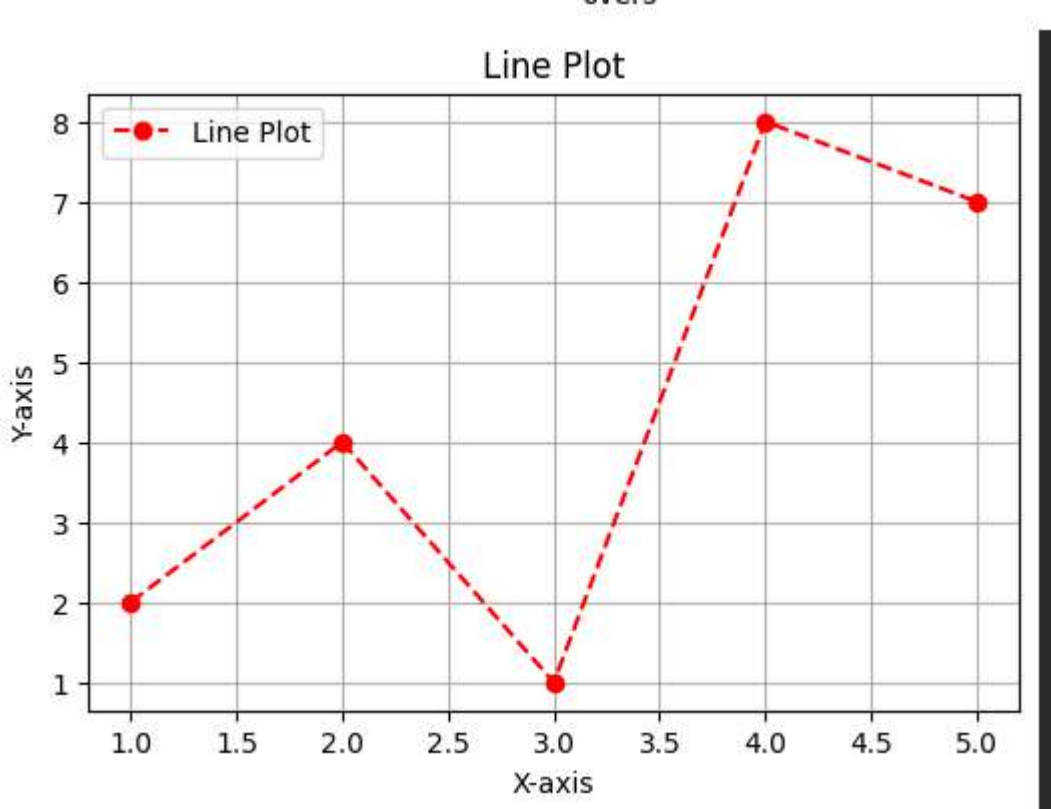
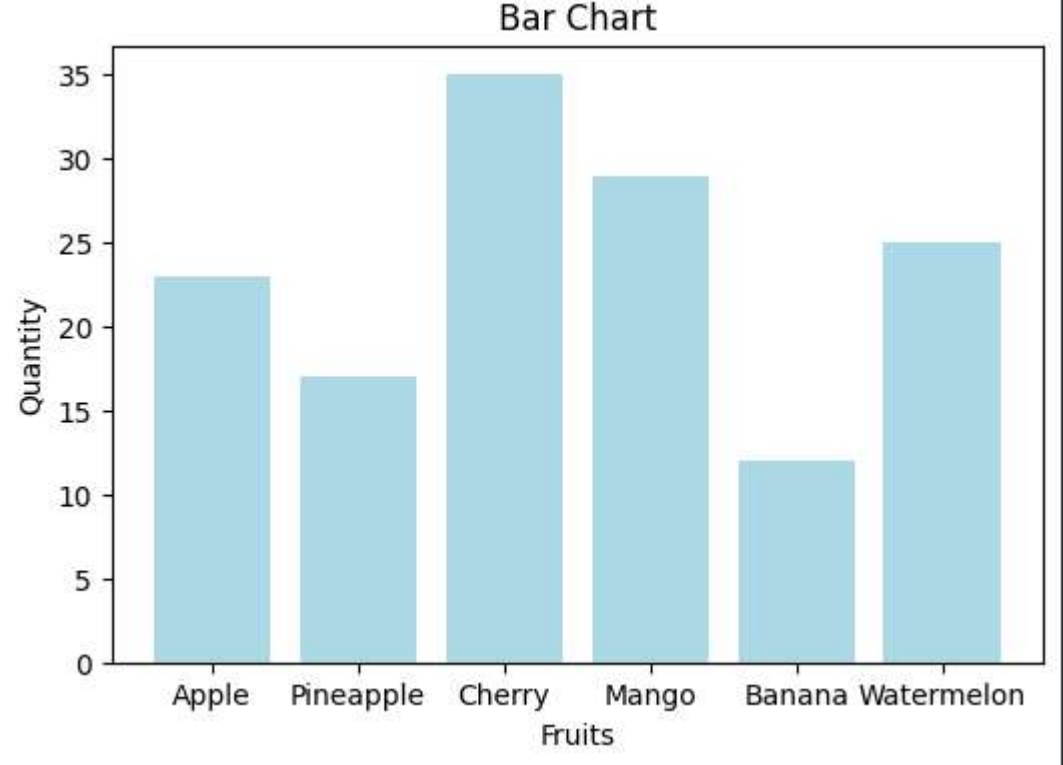
```python
import matplotlib.pyplot as plt
overs=list(range(5,51,5))
India_Score=[400,360,270,365,276,298,350,245,345,299]
SouthAfrica_Score=[150,210,120,180,160,240,180,160,220,100]
plt.plot(overs,India_Score,'color'=='blue')
plt.plot(overs,SouthAfrica_Score)
plt.show()
plt.title("India Vs South Africa")
plt.xlabel("overs")
plt.ylabel("score")
plt.legend()
plt.grid(True)
plt.plot(overs,India_Score,color="blue",label="India")
plt.plot(overs,SouthAfrica_Score,color="purple",label="South Africa")

x = [1, 2, 3, 4, 5]
y = [2, 4, 1, 8, 7]
plt.figure(figsize=(6, 4))
plt.plot(x, y, color='red', marker='o', linestyle='--', label='Line Plot')
plt.title("Line Plot")
plt.xlabel("X-axis")
plt.ylabel("Y-axis")
plt.legend()
plt.grid(True)
plt.show()

categories = ['Apple', 'Pineapple', 'Cherry', 'Mango','Banana','Watermelon']
values = [23, 17, 35, 29,12,25]
plt.figure(figsize=(6, 4))
plt.bar(categories, values, color='lightblue')
plt.title("Bar Chart")
plt.xlabel("Fruits")
plt.ylabel("Quantity")
plt.show()
```

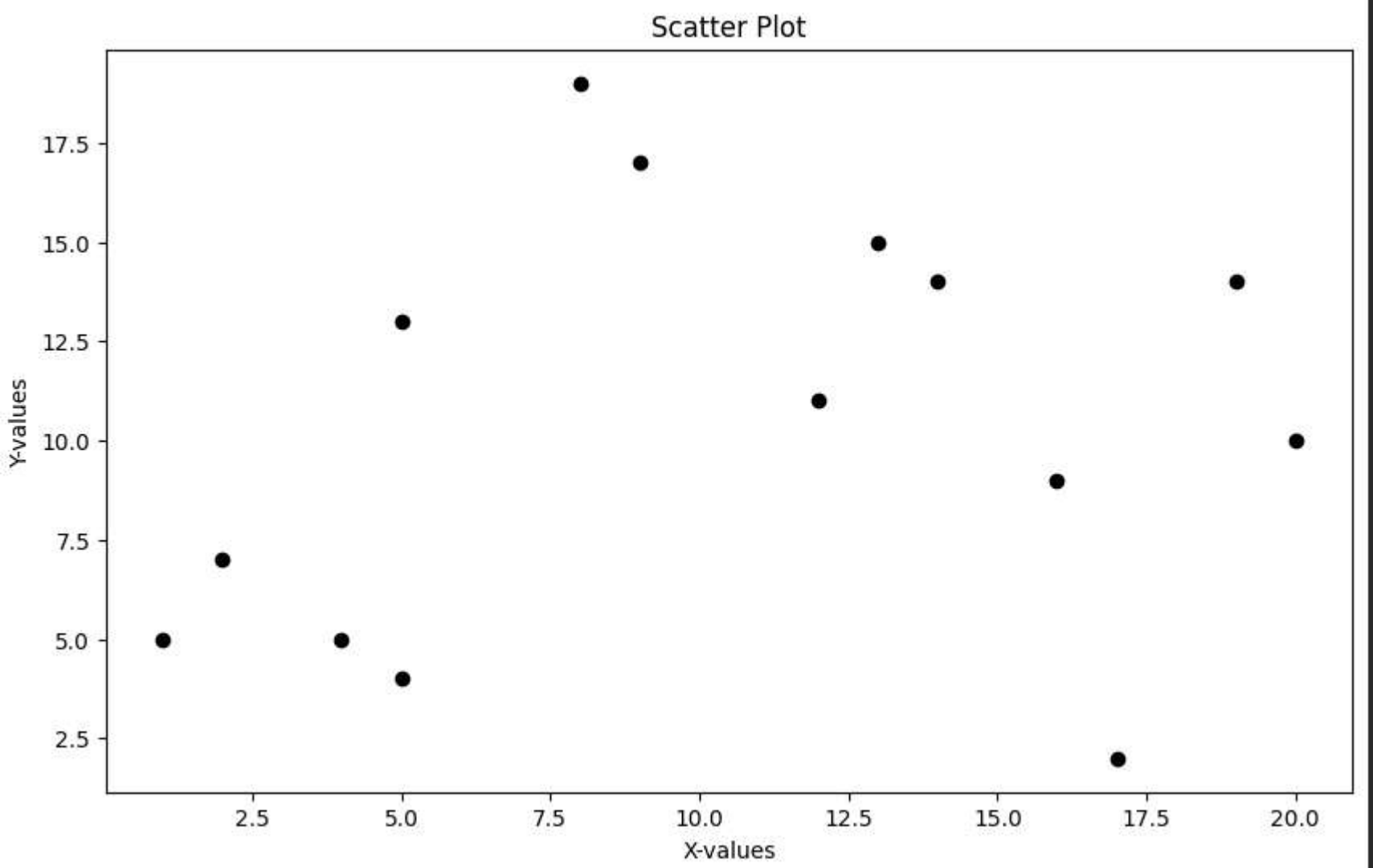
```
x_scatter = [1,2,4,14,13,5,8,9,12,16,20,17,5,19]
y_scatter = [5,7,5,14,15,4,19,17,11,9,10,2,13,14]
plt.figure(figsize=(10,6))
plt.scatter(x_scatter, y_scatter, color='black')
plt.title("Scatter Plot")
plt.xlabel("X-values")
plt.ylabel("Y-values")
plt.show()

data = [22, 87, 5, 43, 56, 73, 55, 54, 11, 20, 51, 5, 79, 31, 27]
plt.figure(figsize=(6, 4))
plt.hist(data, bins=5, color='lightgreen', edgecolor='black')
plt.title("Histogram")
plt.xlabel("Value Range")
plt.ylabel("Frequency")
plt.show()

activities = ['Sleeping','Attending class','Studying','Mobile/Leisure','Eating','Fresh-up','Friends & Roaming']
hours = [7,5,3,4,1,1,3]
colors = ['gold', 'lightcoral', 'lightskyblue', 'lightgreen','lightpurple','lightpink','orange']
plt.figure(figsize=(8,8))
plt.pie(hours,labels=activities,autopct='%d%%')
plt.title("Time Spent")
plt.show()
```

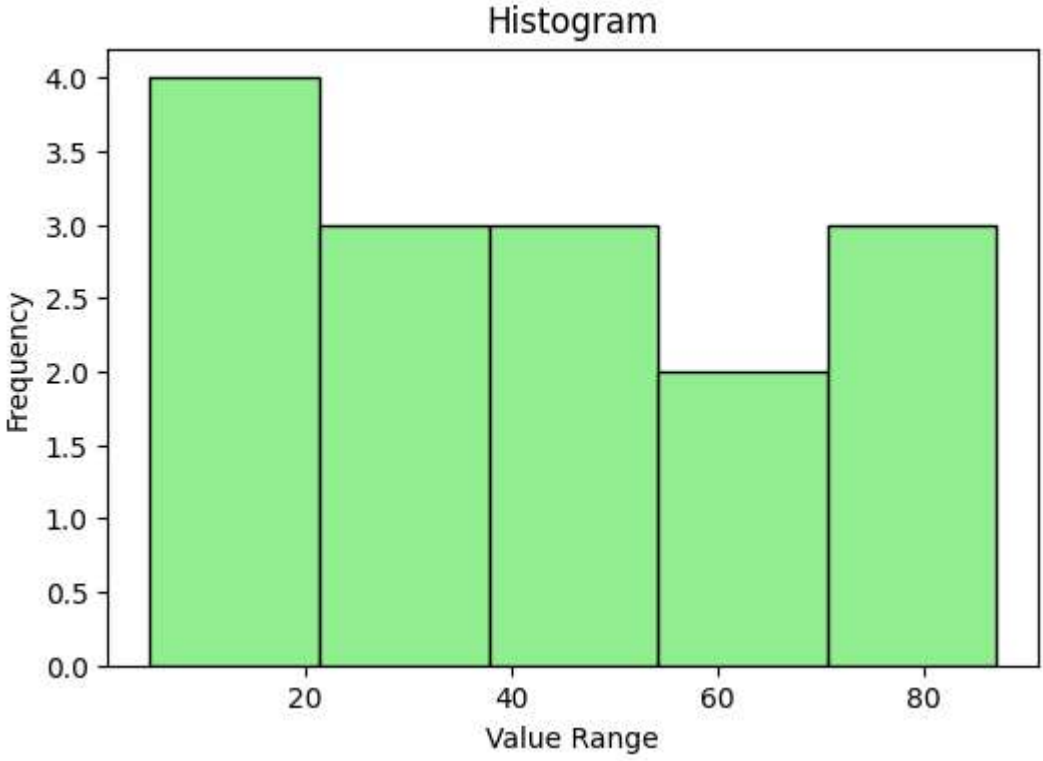

400
350
300
250
200
150
100
50
0
0
10
20
30
40
50

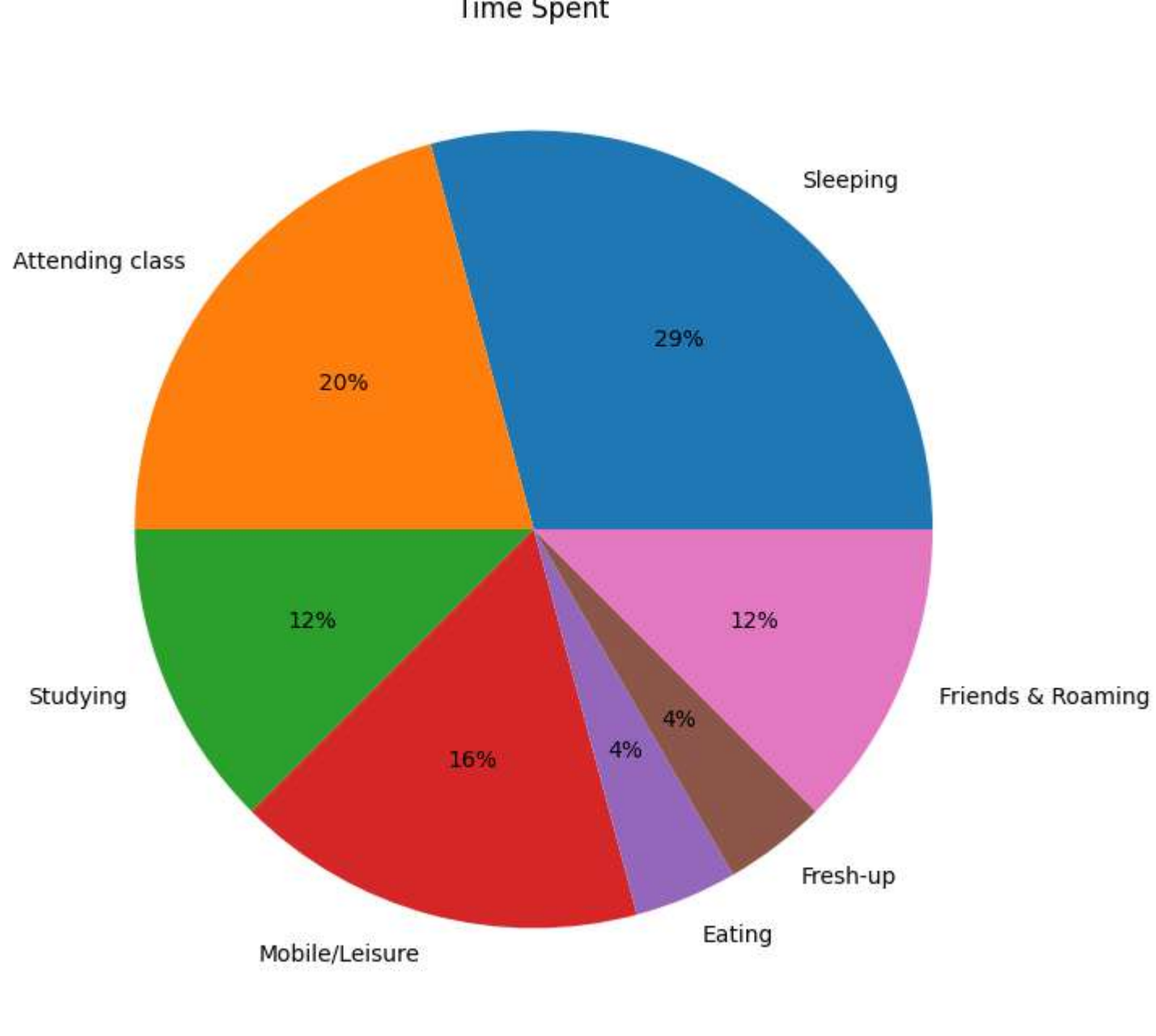

India Vs South Africa
score
overs
400
350
300
250
200
150
100
10
20
30
40
50


Line Plot
Line Plot
Y-axis
X-axis
8
7
6
5
4
3
2
1
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0


Bar Chart
35
30
25
20
15
10
5
0
Quantity
Apple
Pineapple
Cherry
Mango
Banana
Watermelon
Fruits


Scatter Plot
Y-values
X-values
17.5
15.0
12.5
10.0
7.5
5.0
2.5
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0


Histogram
Frequency
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
Value Range


Time Spent
Sleeping
29%
Attending class
20%
Studying
12%
Mobile/Leisure
16%
Eating
4%
Fresh-up
4%
Friends & Roaming
12%