**Classification – SVM – Assignment**

precision recall f1-score support

0 0.76 0.96 0.85 85

1 0.88 0.47 0.61 49

accuracy 0.78 134

macro avg 0.82 0.72 0.73 134

weighted avg 0.81 0.78 0.76 134

**Questions:**

1. What is the over all performance? **- 0.78 - (Accuracy)**
2. what is the correct classification of not purchased? **- 0.96 - (recall - 0)**
3. what is the correct classification of purchased? **- 0.47 - (recall - 1)**
4. what is the correct classification of purchase to the sum of correctly classified as purchased and wrongly classified as purchased? **- 0.88 - (precision - 1)**
5. what is the correct classification of not purchase to the sum of correctly classified as not purchased and wrongly classified as not purchased? **- 0.76 - (precision - 0)**
6. What is the overall performance of purchased data? **- 0.61 - (F1 - 1)**
7. What is the overall performance of not purchased data? **- 0.85 - (F1 - 0)**
8. What is the sum of the proportion rate of precision? **- 0.81 - weighted avg**
9. What is the sum of the proportion rate of recall? **- 0.78 - weighted avg**
10. What is the sum of the proportion rate of f1? **- 0.76 - weighted avg**
11. What is the average performance of precision? **- 0.82 - macro avg**
12. What is the average performance of recall? **- 0.72 - macro avg**
13. What is the average performance of F1 measure? **- 0.73 - macro avg**