**Classification – Random Forest – Assignment**

precision recall f1-score support

0 0.93 0.92 0.92 85

1 0.86 0.88 0.87 49

accuracy 0.90 134

macro avg 0.89 0.90 0.90 134

weighted avg 0.90 0.90 0.90 134

**Questions:**

1. What is the overall performance? **- 0.90 - (Accuracy)**
2. what is the correct classification of not purchased? **- 0.88 - (recall - 0)**
3. what is the correct classification of purchased? **- 0.92 - (recall - 1)**
4. what is the correct classification of purchase to the sum of correctly classified as purchased and wrongly classified as purchased? **- 0.86 - (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? **- 0.93 - (precision - 0)**
6. What is the overall performance of purchased data? **- 0.87 - (F1 - 1)**
7. What is the overall performance of not purchased data? **- 0.92 - (F1 - 0)**
8. What is the sum of the proportion rate of precision? **- 0.90 - weighted avg**
9. What is the sum of the proportion rate of recall? **- 0.90 - weighted avg**
10. What is the sum of the proportion rate of f1? **- 0.90 - weighted avg**
11. What is the average performance of precision? **- 0.89 - macro avg**
12. What is the average performance of recall? **- 0.90 - macro avg**
13. What is the average performance of F1 measure? **- 0.90 - macro avg**