Classification Questions:

**DT:**

1.What is over all performance of Purchased & Not purchased products:

Ans: It is called Accuracy.

0.87

2.What is the corrected value/percentage of Purchased & Not purchased products:

Ans: Recall.

Purchased-0.84

Not purchased-0.89

3.What is the corrected and wrongly classified Purchased & Not purchased products:

Ans: Precision

Purchased:0.82

Not purchased:0.90

4.When the Recall is high and Precision is low what needs to be done?

Ans: To validate the model F1-measure has to be applied.

F1 score of Not purchased:0.90

F1 score of Purchased:0.83

5.What is the proportion/weighted avg of Purchased & Not purchased products:

Weighted avg for Precision: 0.87

Weighted avg for Recall: 0.87

Weighted avg for f1-score: 0.87

6.What is the macro avg of Purchased & Not purchased products:

Macro avg for Precision: 0.86

Macro avg for Recall: 0.87

Macro avg for f1-score: 0.86

**SVM:**

1.What is over all performance of Purchased & Not purchased products:

Ans: It is called Accuracy.

0.78

2.What is the corrected value/percentage of Purchased & Not purchased products:

Ans: Recall.

Purchased-0.47

Not purchased-0.96

3.What is the corrected and wrongly classified Purchased & Not purchased products:

Ans: Precision

Purchased:0.88

Not purchased:0.76

4.When the Recall is high and Precision is low what needs to be done?

Ans: To validate the model F1-measure has to be applied.

F1 score of Not purchased:0.85

F1 score of Purchased:0.61

5.What is the proportion/weighted avg of Purchased & Not purchased products:

Weighted avg for Precision: 0.81

Weighted avg for Recall: 0.78

Weighted avg for f1-score: 0.76

6.What is the macro avg of Purchased & Not purchased products:

Macro avg for Precision: 0.82

Macro avg for Recall: 0.72

Macro avg for f1-score: 0.73