Accuracy:

What is the percentage of correct classification of Purchased and Non-Purchased to the total input of test set (Overall Performance of the Model)?

0.90

Recall:

What is percentage of correct classification of Purchased to the total input of Purchased in the test set?

0.88

What is percentage of correct classification of Non-Purchased to the total input of Non-Purchased in the test set?

0.92

Precision:

What is percentage of correct classification of Purchased to sum of correctly classified as Purchased and wrongly classified as Purchased in the test set?

0.86

What is percentage of correct classification of Non-Purchased to sum of correctly classified as Non-Purchased and wrongly classified as Non-Purchased in the test set?

0.93

F1 Score:

What is the overall performance of the Purchased?

2* Recall*Precision/ Recall + Precision = 2*0.88*0.86/0.88+0.86 = 0.87

What is the overall performance of the Non- Purchased?

0.92

Macro Average:

What is the average performance of Precision (correctly and wrongly classified)?

0.89

What is the average performance of Recall (correctly and wrongly classified)?

0.90

What is the average performance of F1-Measure (correctly and wrongly classified)?

0.90

Weighted Average:

What is the sum of product of proportion rate (Weight) of each class (Precision)?

0.90

What is the sum of product of proportion rate (Weight) of each class (Recall)?

0.90

What is the sum of product of proportion rate (Weight) of each class (F1-Measure)?

0.90