PROBLEM STATEMENT-CLASSIFICATION

1.Random Forest Classification

1.What is the overall performance of Random forest?

Accuracy-0.90

2.What is the correct classification of non purchased?

Recall -0.92

3.What is the correct classification of purchased?

Recall-0.88

4.What is the f1-score of non purchased?

0.92

5.What is the f1-score of purchased?

0.87

6.What is the total value of purchased value correctly as well as wrongly classified?

0.86

7.What is the total value of non purchased value correctly as well as wrongly classified?

0.93

2.Decision Tree Classification

1.What is the overall performance of Decision tree?

Accuracy-0.87

2.What is the correct classification of non purchased?

Recall -0.89

3.What is the correct classification of purchased?

Recall-0.84

4.What is the f1-score of non purchased?

0.94

5.What is the f1-score of purchased?

0.83

6.What is the total value of purchased value correctly as well as wrongly classified?

0.82

7.What is the total value of non purchased value correctly as well as wrongly classified?

0.90

3.SVM Classification

1.What is the overall performance of SVM?

Accuracy-0.78

2.What is the correct classification of non purchased?

Recall -0.96

3.What is the correct classification of purchased?

Recall-0.47

4.What is the f1-score of non purchased?

0.85

5.What is the f1-score of purchased?

0.61

6.What is the total value of purchased value correctly as well as wrongly classified?

0.88

7.What is the total value of non purchased value correctly as well as wrongly classified?

0.76