Modelwise Observations -_ Recall,Precision & Etc…

Decision Tree Model

1.   What is the overall Model performance of the Model of Decision Tree?

Accuracy = 0.87

2.   What is the correct classification of the Not Purchased?

(ie, Here we're talking about Recall of this performance)

Recall of 0 = 0.89

3.   What is the F1-Score of the Not Purchased?

0 -> F1 value -> 0.90

4.   What is the F1-Score of the Purchased?

1 -> F1 value -> 0.83

SVM Model

1. What is the overall Model performance of the Model of SVM?

   Accuracy = 0.78

2. What is the correct classification of the Not Purchased?

   (ie, Here we're talking about Recall of this performance)

   Recall of 0 = 0.96

3. What is the F1-Score of the Not Purchased?

   0 -> F1 value -> 0.85

4. What is the F1-Score of the Purchased?

   1 -> F1 value -> 0.61

RandomForest Model

1.   What is the overall Model performance of the Model of RF?

   Accuracy = 0.90

2.   What is the correct classification of the Not Purchased?

(ie, Here we're talking about Recall of this performance)

   Recall of 0 = 0.92

3.   What is the F1-Score of the Not Purchased?

   0 -> F1 value -> 0.92

4.   What is the F1-Score of the Purchased?

   1 -> F1 value -> 0.87