

# CLASSIFICATION ASSIGNMENT

1) What is the overall performance of the model ?

First of all overall performance means the accuracy of the model

Method	Accuracy
SVM	0.80
RF	0.89
DT	0.84

2) which is the best model for this data set.

Random forest is the best model for this data set because the accuracy of this model was high.

3)what is the correct classification of purchased ?  
(Purchased=recall)

Method	Recall(1)
SVM	0.46
RF	0.85
DT	0.80

4)What is the correctly classified of non-Purchased ?

Method	Recall(0)
SVM	0.97
RF	0.91
DT	0.86

5) what is the correctly and wrongly classified of purchased and non purchased ?

Method	Precision
SVM	Purchased=0.90 Non-purchased=0.78
DT	Purchased=0.75 Non-purchased=0.89
RF	Purchased=0.83 Non-purchased=0.92

6)What is the overall performance of purchased ?

Method	F1-Score
SVM	0.61
DT	0.80

RF	0.84
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7)What is the correctly classification of non-Purchased ?

Method	F1-Score
SVM	0.87
DT	0.86
RF	0.92