ML Classification ASG

1.Random Forest:

- What is the accuracy score in RF?
  Accuracy - 0.91
- What is the Precision purchased Score?
  Precision - 0.86
- What is the Precision not purchased Score?
  Precision - 0.94
- What is the correctly purchased score?
  recall - 0.88
- What is the correctly and incorrectly purchased score?
  Precision - 0.86
- What is the f1 score in 0?
  f1 score - 0.93
- What is the macro avg score in recall?
  recall - 0.90

2.Decision Tree:

- What is the Precision score of 1?
  Precision - 0.81
- What is the overall performance score?
  Accuracy - 0.88
- What is the test data count of 1?
  support - 41
- What is the test data count of 0?
  Support - 79
- What is the f1 score in purchased?
  f1 score - 0.83
- What is the f1 score in not purchased?
  f1 score - 0.91

3.SVM:

- What is the recall score of not purchased?
  recall - 0.97
- What is the recall score of 1?
  Recall - 0.46
- What is the accuracy score in SVM?
  Accuracy - 0.80
- What is the total count of test data?
  Support - 120
- What is the weighted avg in precision?
  weighted avg - 0.82
- What is the macro avg in precision?
  macro avg - 0.84

4.Logistic Regression:

- What is the precision of 0?
  precision - 0.90
- What is the f1 score in 1?
  F1 score - 0.84
- What is the correctly and incorrectly purchased score?

precision - 0.87

- What is the correctly not purchased score?
  Recall - 0.94
- What is the accuracy of Logistic Regression?
  Accuracy - 0.89
- What is the macro avg in f1-score?
  macro avg - 0.88