

ML Classification Assignment (Classification Report)

Random Forest :

1.What is the percentage of correct classification of both inputs to the total input of test set?

Ans: Accuracy=0.91

2.What is the percentage of correct classification of 1 to the total inputs of total test set?

Ans: Recall=0.80

3.What is the percentage of correct classification of 0 to the total inputs of total test set?

Ans: Recall=0.90

4.What is the percentage of correct classification of 0 to sum of correctly classified as 0 and wrongly classified as 0 in the test set?

Ans: Precision=0.94

5.What is the percentage of correct classification of 1 to sum of correctly classified as 1 and wrongly classified as 1 in the test set?

Ans: Precision=0.86

6.What is the overall performance of 1?

Ans: F1 measure=0.87

7.What is the overall performance of 0?

Ans: F1 measure=0.93

8.What is the average performance of precision?

Ans: Macro Average=0.90

9.What is the average performance of recall?

Ans: Macro Average=0.90

10.What is the average performance of F1-measure?

Ans: Macro Average=0.90

ML Classification Assignment (Classification Report)

Decision Tree :

1.What is the percentage of correct classification of both inputs to the total input of test set?

Ans: Accuracy=0.88

2.What is the percentage of correct classification of 1 to the total inputs of total test set?

Ans: Recall=0.85

3.What is the percentage of correct classification of 0 to the total inputs of total test set?

Ans: Recall=0.90

4.What is the percentage of correct classification of 0 to sum of correctly classified as 0 and wrongly classified as 0 in the test set?

Ans: Precision=0.92

5.What is the percentage of correct classification of 1 to sum of correctly classified as 1 and wrongly classified as 1 in the test set?

Ans: Precision=0.81

6.What is the overall performance of 1?

Ans: F1 measure=0.83

7.What is the overall performance of 0?

Ans: F1 measure=0.91

8.What is the average performance of precision?

Ans: Macro Average=0.87

9.What is the average performance of recall?

Ans: Macro Average=0.88

10.What is the average performance of F1-measure?

Ans: Macro Average=0.87