Decision Tree classification

1.What is overall performance of Decision Tree- 0.87(87%)

2.What kind of problem statement- Classification problem statement

3.What is overall performance of your Model--Accuracy is overall percentage 0.87(87%)

4.What is the Recall of 0(0 means 'not purchased' and 1 means 'purchased')-- 0.89 (89%)

5.What is the correct performance of purchased? --0.84(84%)

6.Purchased-Correctly classified as well as wrongly classified-->(Model telling about whole value including wrongly classified)--0.82(82%)

7.What is the f1-score of 0- 0.90(90%)

8.What is the f1-score of 1- 0.83(83%)

9.MacroAvg value for Precision--0.86(86%)

10.MacroAvg value for Recall--0.87(87%)

11.MacroAvg value for F1-Score--0.86(86%)

12.Weighted average value for Precision--0.87(87%)

13.Weighted average value for Recall--0.87(87%)

14.Weighted average value for F1-Score--0.87(87%)

15.Support value(Testdata count) -134

16.It's Balanced dataset/Imbalanced dataset--Balanced dataset

Random Forest classification

1.What is overall performance of Random Forest-(0.90)90%

2.What kind of problem statement- Classification problem statement

3.What is overall performance of your Model--Accuracy is overall percentage (0.90)90%

4.What is the Recall of 0 value(0 means 'not purchased' and 1 means 'purchased')-- 0.92 (92%)

5.What is the correct performance of purchased? --0.86(86%)

6.Purchased-Correctly classified as well as wrongly classified-->(Model telling about whole value including wrongly classified)--0.82(82%)

7.What is the f1-score of 0- 0.90(90%)

8.What is the f1-score of 1- 0.83(83%)

9.MacroAvg value for Precision--0.86(86%)

10.MacroAvg value for Recall--0.87(87%)

11.MacroAvg value for F1-Score--0.86(86%)

12.Weighted average value for Precision--0.87(87%)

13.Weighted average value for Recall--0.87(87%)

14.Weighted average value for F1-Score--0.87(87%)

15.Support value(Testdata count) -134

16.It's Balanced dataset/Imbalanced dataset--Balanced dataset

SVM Kernel classification

1.What is overall performance of SVM Kernel classification- 0.68(68%)

2.What kind of problem statement- Classification problem statement

3.What is overall performance of your Model--Accuracy is overall percentage 0.68(68%)

4.What is the Recall of 0(0 means 'not purchased' and 1 means 'purchased')-- 0.99 (99%)

5.What is the correct performance of purchased? --0.14(14%)

6.Purchased-Correctly classified as well as wrongly classified-->(Model telling about whole value including wrongly classified)--0.88(88%)

7.What is the f1-score of 0- 0.80(80%)

8.What is the f1-score of 1- 0.25(25%)

9.MacroAvg value for Precision--0.77(77%)

10.MacroAvg value for Recall--0.57(57%)

11.MacroAvg value for F1-Score--0.52(52%)

12.Weighted average value for Precision--0.74(74%)

13.Weighted average value for Recall--0.68(68%)

14.Weighted average value for F1-Score--0.59(59%)

15.Support value(Testdata count) -134

16.It's Balanced dataset/Imbalanced dataset--Imbalanced dataset