Random Forest Classifier

Q.What is the percentage of correct classification of both with respect to total data?

Ans.Accuracy is (78+44)/(78+7+5+44) = 122/134 =0.91

Q.What is the percentage of correct classification of non-buyers with respect to non-buyers?

Ans.Recall of non-buyers

ie,

(78)/( 78+7)=>0.92

Q.What is the percentage of correct classification of buyers with respect to total buyers?

Ans.Recall of buyers

ie,

(44)/( 49)=>0.90

Q.What is the percentage of correct classification of non-buyers with respect to all classification of non-buyers?

Ans. Precision of non-buyers

ie,

(78)/( 78+5)=>0.94

Q. What is the percentage of correct classification of buyers with respect to all classification of buyers?

Ans.Precision of buyers

ie,

(44)/( 44+7)=>0.86

F1 value of Buyers = 2\*precision\*accuracy/recall+precison = 2\*0.86\*0.9/(0.86+.9)=1.548/1.76=0.88

F1 value of Non Buyers = 2\*precision\*accuracy/recall+precison = 2\*0.92\*0.94/(0.92+.94)=1.73/1.86=0.93

Q.Marco-average of Precision:

Ans:Average of Precision = (0.94+0.86)/2=1.8/2=0.9

Q.Weighted Average of Precision:

Ans: To standardize data

((Precision(Buyers)\*No of Buyers)/Total Users)+ ((Precision(Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.86\*49/134)+(0.94\*85/134)=0.31+0.60=0.91

Q.Marco-average of Recall:

Ans:Average of Recall = (0.9+0.92)/2=1.812/2=0.91

Q.Weighted Average of Recall:

Ans: To standardize data

((Recall (Buyers)\*No of Buyers)/Total Users)+ ((Recall (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.92\*85/134)+(0.9\*49/134)=0.58+0.33=0.91

Q.Marco-average of F1 value:

Ans:Average of F1 value = (0.88+0.93)/2=1.81/2=0.905

Q.Weighted Average of F1 value:

Ans: To standardize data

((F1 value (Buyers)\*No of Buyers)/Total Users)+ ((F1 value (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.93\*85/134)+(0.88\*49/134)=0.59+0.32=0.91

Decision Tree Classifier

Q.What is the percentage of correct classification of both with respect to total data?

Ans.Accuracy is (75+45)/(75+45+8+6) = 120/134 =0.895 ~ 0.9

Q.What is the percentage of correct classification of non-buyers with respect to total non-buyers?

Ans.Recall of non-buyers

ie,

(75)/( 75+6)=>0.93

Q.What is the percentage of correct classification of buyers with respect to total buyers?

Ans.Recall of buyers

ie,

(45)/( 53)=>0.85

Q.What is the percentage of correct classification of non-buyers with respect to all classification of non-buyers?

Ans. Precision of non-buyers

ie,

(75)/( 75+8)=>0.90

Q. What is the percentage of correct classification of buyers with respect to all classification of buyers?

Ans.Precision of buyers

ie,

(45)/( 45+6)=>0.88

F1 value of Buyers = 2\*precision\* recall /recall+precison = 2\*0..85\*0.88/(0.85+.88)=1.496/1.73=0.87

F1 value of Non-Buyers = 2\*precision\* recall /recall+precison = 2\*0.93\*0.9/(0.93+.9)=1.674/1.83=0.91

Q.Marco-average of Precision:

Ans:Average of Precision = (0.9+0.88)/2=1.78/2=0.89

Q.Weighted Average of Precision:

Ans: To standardize data

((Precision(Buyers)\*No of Buyers)/Total Users)+ ((Precision(Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.88\*53/134)+(0.9\*81/134)=0.35+0.54=0.90

Q.Marco-average of Recall:

Ans:Average of Recall = (0.93+0.85)/2=1.78/2=0.89

Q.Weighted Average of Recall:

Ans: To standardize data

((Recall (Buyers)\*No of Buyers)/Total Users)+ ((Recall (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.85\*53/134)+(0.93\*81/134)=0.34+0.56=0.90

Q.Marco-average of F1 value:

Ans:Average of F1 value = (0.86+0.93)/2=1.79/2=0.895

Q.Weighted Average of F1 value:

Ans: To standardize data

((F1 value (Buyers)\*No of Buyers)/Total Users)+ ((F1 value (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.86\*53/134)+(0.93\*81/134)0.34+0.56=0.9

Support Vector Machine

Q.What is the percentage of correct classification of both with respect to total data?

Ans.Accuracy is (78+20)/( 78+20+33+3) = 98/134 =0.73

Q.What is the percentage of correct classification of non-buyers with respect to total non-buyers?

Ans.Recall of non-buyers

ie,

(78)/( 78+3)=>0.96

Q.What is the percentage of correct classification of buyers with respect to total buyers?

Ans.Recall of buyers

ie,

(20)/( 53)=>0.38

Q.What is the percentage of correct classification of non-buyers with respect to all classification of non-buyers?

Ans. Precision of non-buyers

ie,

(78)/( 78+33)=>0.70

Q. What is the percentage of correct classification of buyers with respect to all classification of buyers?

Ans.Precision of buyers

ie,

(20)/( 20+3)=>0.87

F1 value of Buyers = 2\*precision\* recall /recall+precison = 2\*0.87\*0.38/(0.87+.38)=0.6612/1.25=0.53

F1 value of Non Buyers = 2\*precision\* recall /recall+precison = 2\*0.7\*0.96/(0.7+.96)=1.344/1.66=0.81

Q.Marco-average of Precision:

Ans:Average of Precision = (0.87+0.70)/2=1.57/2=0.79

Q.Weighted Average of Precision:

Ans: To standardize data

((Precision(Buyers)\*No of Buyers)/Total Users)+ ((Precision(Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.87\*53/134)+(0.70\*81/134)=0.34411+0.423134=0.77

Q.Marco-average of Recall:

Ans:Average of Recall = (0.96+0.38)/2=1.34/2=0.67

Q.Weighted Average of Recall:

Ans: To standardize data

((Recall (Buyers)\*No of Buyers)/Total Users)+ ((Recall (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.38\*53/134)+(0.96\*81/134)=0.15+0.58=0.73

Q.Marco-average of F1 value:

Ans:Average of F1 value = (0.52+0.81)/2=1.33/2=0.67

Q.Weighted Average of F1 value:

Ans: To standardize data

((F1 value (Buyers)\*No of Buyers)/Total Users)+ ((F1 value (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.52\*53/134)+(0.81\*81/134)=0.21+0.49=0.7

Logistic Classifier

Q.What is the percentage of correct classification of both with respect to total data?

Ans.Accuracy is (71+32)/(71+2+15+32) = 103/120 =0.86

Q.What is the percentage of correct classification of non-buyers with respect to non-buyers?

Ans.Recall of non-buyers

ie,

(71)/( 71+2)=>0.97

Q.What is the percentage of correct classification of buyers with respect to total buyers?

Ans.Recall of buyers

ie,

(32)/( 47)=>0.68

Q.What is the percentage of correct classification of non-buyers with respect to all classification of non-buyers?

Ans. Precision of non-buyers

ie,

(71)/( 71+15)=>0.83

Q. What is the percentage of correct classification of buyers with respect to all classification of buyers?

Ans.Precision of buyers

ie,

(32)/( 34)=>0.94

F1 value of Buyers = 2\*precision\*accuracy/recall+precison = 2\*0.94\*0.68/(0. 94+.68)=1.2784/1.62=0.79

F1 value of Non Buyers = 2\*precision\*accuracy/recall+precison =2 \*.97\*0.83/(0.97+.83)=1.6102/1.8=0.89

Q.Marco-average of Precision:

Ans:Average of Precision = (0.83+0.94)/2=1.77/2=0.885

Q.Weighted Average of Precision:

Ans: To standardize data

((Precision(Buyers)\*No of Buyers)/Total Users)+ ((Precision(Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.83\*73/120)+(0.94\*47/120)=0.87

Q.Marco-average of Recall:

Ans:Average of Recall = (0.97+0.68)/2=1.65/2=0.83

Q.Weighted Average of Recall:

Ans: To standardize data

((Recall (Buyers)\*No of Buyers)/Total Users)+ ((Recall (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.97\*73/120)+(0.68\*47/120)=0.86

Q.Marco-average of F1 value:

Ans:Average of F1 value = (0.89+0.79)/2=0.84

Q.Weighted Average of F1 value:

Ans: To standardize data

((F1 value (Buyers)\*No of Buyers)/Total Users)+ ((F1 value (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.89\*73/120)+(0.79\*47/120)=0.85

K Nearest Neighbour Classifier

Q.What is the percentage of correct classification of both with respect to total data?

Ans.Accuracy is (74+35)/(74+11+14+35) = 109/134 =0.81

Q.What is the percentage of correct classification of non-buyers with respect to non-buyers?

Ans.Recall of non-buyers

ie,

(74)/( 85)=>0.87

Q.What is the percentage of correct classification of buyers with respect to total buyers?

Ans.Recall of buyers

ie,

(35)/( 49)=>0.71

Q.What is the percentage of correct classification of non-buyers with respect to all classification of non-buyers?

Ans. Precision of non-buyers

ie,

(74)/( 88)=>0.84

Q. What is the percentage of correct classification of buyers with respect to all classification of buyers?

Ans.Precision of buyers

ie,

(35)/( 46)=>0.76

F1 value of Buyers = 2\*precision\*accuracy/recall+precison = 2\*0.76\*0.71/(0. 76+.71)=0.74

F1 value of Non Buyers = 2\*precision\*accuracy/recall+precison =2 \*.84\*0.87/(0.84+.87)= 0.86

Q.Marco-average of Precision:

Ans:Average of Precision = (0.84+0.76)/2=0.8

Q.Weighted Average of Precision:

Ans: To standardize data

((Precision(Buyers)\*No of Buyers)/Total Users)+ ((Precision(Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.84\*85/134)+(0.76\*49/134)=0.81

Q.Marco-average of Recall:

Ans:Average of Recall = (0.87+0.71)/2=0.79

Q.Weighted Average of Recall:

Ans: To standardize data

((Recall (Buyers)\*No of Buyers)/Total Users)+ ((Recall (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.87\*85/134)+(0.71\*49/134)=0.81

Q.Marco-average of F1 value:

Ans:Average of F1 value = (0.86+0.74)/2=0.8

Q.Weighted Average of F1 value:

Ans: To standardize data

((F1 value (Buyers)\*No of Buyers)/Total Users)+ ((F1 value (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.86\*85/134)+(0.74\*49/134)=0.81

Naïve Bayes Classifier-Gaussian NB

Q.What is the percentage of correct classification of both with respect to total data?

Ans.Accuracy is (80+41)/(80+5+8+41) = 121/134 =0.9

Q.What is the percentage of correct classification of non-buyers with respect to non-buyers?

Ans.Recall of non-buyers

ie,

(80)/( 85)=>0.94

Q.What is the percentage of correct classification of buyers with respect to total buyers?

Ans.Recall of buyers

ie,

(41)/( 49)=>0.84

Q.What is the percentage of correct classification of non-buyers with respect to all classification of non-buyers?

Ans. Precision of non-buyers

ie,

(80)/( 88)=>0.91

Q. What is the percentage of correct classification of buyers with respect to all classification of buyers?

Ans.Precision of buyers

ie,

(41)/( 46)=>0.89

F1 value of Buyers = 2\*precision\*accuracy/recall+precison = 2\*0.89\*0.84/(0. 89+.84)=0.86

F1 value of Non Buyers = 2\*precision\*accuracy/recall+precison =2\*0.91\*0.94/(0. 91+.94)=0.92

Q.Marco-average of Precision:

Ans:Average of Precision = (0.91+0.89)/2=0.9

Q.Weighted Average of Precision:

Ans: To standardize data

((Precision(Buyers)\*No of Buyers)/Total Users)+ ((Precision(Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.91\*85/134)+(0.89\*49/134)=0.90

Q.Marco-average of Recall:

Ans:Average of Recall = (0.94+0.84)/2=0.89

Q.Weighted Average of Recall:

Ans: To standardize data

((Recall (Buyers)\*No of Buyers)/Total Users)+ ((Recall (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.94\*85/134)+(0.84\*49/134)=0.90

Q.Marco-average of F1 value:

Ans:Average of F1 value = (0.92+0.86)/2=0.89

Q.Weighted Average of F1 value:

Ans: To standardize data

((F1 value (Buyers)\*No of Buyers)/Total Users)+ ((F1 value (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.92\*85/134)+(0.86\*49/134)=0.90

Naïve Bayes Classifier- Multinomial NB

Q.What is the percentage of correct classification of both with respect to total data?

Ans.Accuracy is 85/(85+49)= 85/134 =0.63

Q.What is the percentage of correct classification of non-buyers with respect to non-buyers?

Ans.Recall of non-buyers

ie,

(85)/( 85)=>1

Q.What is the percentage of correct classification of buyers with respect to total buyers?

Ans.Recall of buyers

ie,

(49)/( 0)=>0

Q.What is the percentage of correct classification of non-buyers with respect to all classification of non-buyers?

Ans. Precision of non-buyers

ie,

(85)/( 134)=>0.63

Q. What is the percentage of correct classification of buyers with respect to all classification of buyers?

Ans.Precision of buyers

ie,

(0)/(0)=>0

F1 value of Buyers = 2\*precision\*accuracy/recall+precison = 2\*0.0\*0.0/(0. 0+.0)=0.00

F1 value of Non Buyers = 2\*precision\*accuracy/recall+precison =2\*1\*0.63/(0. 63+1)=0.78

Q.Marco-average of Precision:

Ans:Average of Precision = (0.63+0.0)/2=0.32

Q.Weighted Average of Precision:

Ans: To standardize data

((Precision(Buyers)\*No of Buyers)/Total Users)+ ((Precision(Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.63\*85/134)+(0.0\*49/134)=0.40

Q.Marco-average of Recall:

Ans:Average of Recall = (1 +0)/2=0.50

Q.Weighted Average of Recall:

Ans: To standardize data

((Recall (Buyers)\*No of Buyers)/Total Users)+ ((Recall (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(1\*85/134)+(0\*49/134)=0.63

Q.Marco-average of F1 value:

Ans:Average of F1 value = (0.78+0)/2=0.39

Q.Weighted Average of F1 value:

Ans: To standardize data

((F1 value (Buyers)\*No of Buyers)/Total Users)+ ((F1 value (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.78\*85/134)+(0\*49/134)=0.49

Naïve Bayes Classifier- Complement NB

Q.What is the percentage of correct classification of both with respect to total data?

Ans.Accuracy is (40+29)/( 40+20+45+29)= 69/134 =0.51

Q.What is the percentage of correct classification of non-buyers with respect to non-buyers?

Ans.Recall of non-buyers

ie,

(40)/( 85)=>0.47

Q.What is the percentage of correct classification of buyers with respect to total buyers?

Ans.Recall of buyers

ie,

(29)/( 49)=>0.59

Q.What is the percentage of correct classification of non-buyers with respect to all classification of non-buyers?

Ans. Precision of non-buyers

ie,

(40)/(60)=>0.67

Q. What is the percentage of correct classification of buyers with respect to all classification of buyers?

Ans.Precision of buyers

ie,

(29)/(74)=>0.39

F1 value of Buyers = 2\*precision\*accuracy/recall+precison = 2\*0.39\*0.59/(0.39+0.59)=46.02/0.98=0.47

F1 value of Non Buyers = 2\*precision\*accuracy/recall+precison =2\*0.67\*0.47/(0. 67+0.47)=/1.14=0.55

Q.Marco-average of Precision:

Ans:Average of Precision = (0.67+0.39)/2=0.53

Q.Weighted Average of Precision:

Ans: To standardize data

((Precision(Buyers)\*No of Buyers)/Total Users)+ ((Precision(Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.67\*85/134)+(0.39\*49/134)=0.57

Q.Marco-average of Recall:

Ans:Average of Recall = (0.47 +0.59)/2=0.53

Q.Weighted Average of Recall:

Ans: To standardize data

((Recall (Buyers)\*No of Buyers)/Total Users)+ ((Recall (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.59\*85/134)+(0.47\*49/134)=0.51

Q.Marco-average of F1 value:

Ans:Average of F1 value = (0.55+0.47)/2=0.51

Q.Weighted Average of F1 value:

Ans: To standardize data

((F1 value (Buyers)\*No of Buyers)/Total Users)+ ((F1 value (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.55\*85/134)+(0.47\*49/134)=0.52

Naïve Bayes Classifier- Bernoulli NB

Q.What is the percentage of correct classification of both with respect to total data?

Ans.Accuracy is (85)/( 85+49)= 85/134 =0.63

Q.What is the percentage of correct classification of non-buyers with respect to non-buyers?

Ans.Recall of non-buyers

ie,

(85)/(85)=>1

Q.What is the percentage of correct classification of buyers with respect to total buyers?

Ans.Recall of buyers

ie,

(0)/( 49)=>0

Q.What is the percentage of correct classification of non-buyers with respect to all classification of non-buyers?

Ans. Precision of non-buyers

ie,

(85)/(134)=>0.63

Q. What is the percentage of correct classification of buyers with respect to all classification of buyers?

Ans.Precision of buyers

ie,

(0)/(0)=>0

F1 value of Buyers = 2\*precision\*accuracy/recall+precison = 2\*0. \*0/(0.+0)=0

F1 value of Non Buyers = 2\*precision\*accuracy/recall+precison =2\*1\*0.63/(1+0.63)=0.78

Q.Marco-average of Precision:

Ans:Average of Precision = (0.63+0)/2=0.32

Q.Weighted Average of Precision:

Ans: To standardize data

((Precision(Buyers)\*No of Buyers)/Total Users)+ ((Precision(Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.63\*85/134)+(0.0\*49/134)=0.4

Q.Marco-average of Recall:

Ans:Average of Recall = (1 +0)/2=0.5

Q.Weighted Average of Recall:

Ans: To standardize data

((Recall (Buyers)\*No of Buyers)/Total Users)+ ((Recall (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(1\*85/134)+(0\*49/134)=0.63

Q.Marco-average of F1 value:

Ans:Average of F1 value = (0.78+0)/2=0.39

Q.Weighted Average of F1 value:

Ans: To standardize data

((F1 value (Buyers)\*No of Buyers)/Total Users)+ ((F1 value (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.78\*85/134)+(0.0\*49/134)=0.49

Naïve Bayes Classifier- Categorical NB

Q.What is the percentage of correct classification of both with respect to total data?

Ans.Accuracy is (82+31)/(82+31+3+18)= 113/134 =0.84

Q.What is the percentage of correct classification of non-buyers with respect to non-buyers?

Ans.Recall of non-buyers

ie,

( 82)/(85)=>0.96

Q.What is the percentage of correct classification of buyers with respect to total buyers?

Ans.Recall of buyers

ie,

(31)/( 49)=>0.63

Q.What is the percentage of correct classification of non-buyers with respect to all classification of non-buyers?

Ans. Precision of non-buyers

ie,

(82)/(100)=>0.82

Q. What is the percentage of correct classification of buyers with respect to all classification of buyers?

Ans.Precision of buyers

ie,

(31)/(34)=>0.91

F1 value of Buyers = 2\*precision\*accuracy/recall+precison = 2\*91 \*0.63/(0.91+0.63)=0.75

F1 value of Non Buyers = 2\*precision\*accuracy/recall+precison =2\*0.82\*0.96/(.82+0.96)=0.89

Q.Marco-average of Precision:

Ans:Average of Precision = (0.82+0.91)/2=0.87

Q.Weighted Average of Precision:

Ans: To standardize data

((Precision(Buyers)\*No of Buyers)/Total Users)+ ((Precision(Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.82\*85/134)+(0.91\*49/134)=0.85

Q.Marco-average of Recall:

Ans:Average of Recall = (0.96 +0.63)/2=0.8

Q.Weighted Average of Recall:

Ans: To standardize data

((Recall (Buyers)\*No of Buyers)/Total Users)+ ((Recall (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.96\*85/134)+(0.63\*49/134)=0.84

Q.Marco-average of F1 value:

Ans:Average of F1 value = (0.89+0.75)/2=0.82

Q.Weighted Average of F1 value:

Ans: To standardize data

((F1 value (Buyers)\*No of Buyers)/Total Users)+ ((F1 value (Non-Buyers)\*No of Non-Buyers)/Total Users ))

ie,

(0.89\*85/134)+(0.75\*49/134)=0.84

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Metric | Random Forest | Decision Tree | SVM | Logistic Regression | KNN | Gaussian NB | Multinomial NB | Complement NB | Bernoulli NB | Categorical NB |
| Accuracy | 0.91 | 0.9 | 0.73 | 0.86 | 0.81 | 0.9 | 0.63 | 0.51 | 0.63 | 0.84 |
| Recall (Non-Buyers) | 0.92 | 0.93 | 0.96 | 0.97 | 0.87 | 0.94 | 1 | 0.47 | 1 | 0.96 |
| Recall (Buyers) | 0.9 | 0.85 | 0.38 | 0.68 | 0.71 | 0.84 | 0 | 0.59 | 0 | 0.63 |
| Precision (Non-Buyers) | 0.94 | 0.9 | 0.7 | 0.83 | 0.84 | 0.91 | 0.63 | 0.67 | 0.63 | 0.82 |
| Precision (Buyers) | 0.86 | 0.88 | 0.87 | 0.94 | 0.76 | 0.89 | 0 | 0.39 | 0 | 0.91 |
| F1 (Buyers) | 0.88 | 0.87 | 0.53 | 0.79 | 0.74 | 0.86 | 0 | 0.47 | 0 | 0.75 |
| F1 (Non-Buyers) | 0.93 | 0.91 | 0.81 | 0.89 | 0.86 | 0.92 | 0.78 | 0.55 | 0.78 | 0.89 |
| Macro Avg Precision | 0.9 | 0.89 | 0.79 | 0.89 | 0.8 | 0.9 | 0.32 | 0.53 | 0.32 | 0.87 |
| Weighted Avg Precision | 0.91 | 0.9 | 0.77 | 0.87 | 0.81 | 0.9 | 0.4 | 0.57 | 0.4 | 0.85 |
| Macro Avg Recall | 0.91 | 0.89 | 0.67 | 0.83 | 0.79 | 0.89 | 0.5 | 0.53 | 0.5 | 0.8 |
| Weighted Avg Recall | 0.91 | 0.9 | 0.73 | 0.86 | 0.81 | 0.9 | 0.63 | 0.51 | 0.63 | 0.84 |
| Macro Avg F1 | 0.905 | 0.895 | 0.67 | 0.84 | 0.8 | 0.89 | 0.39 | 0.51 | 0.39 | 0.82 |
| Weighted Avg F1 | 0.91 | 0.9 | 0.7 | 0.85 | 0.81 | 0.9 | 0.49 | 0.52 | 0.49 | 0.84 |