CLASSIFICATION EVALUATION METRICS VALUES FOR EACH ALGORITHMS:

EVALUATION METRICS:

🡪what is the correct purchased value of the total input value of purchasing values? (RECALL)

🡪WHAT IS THE CORRECT PURCAHSED VALUE OF THE TOTAL CORRECT AND WRONG PURCHASED VLAUES? (PRECISION)

🡪WHAT IS THE OVERALL PERFORMANCE OF BOTH PURCHASE AND NOT PURCHASED VALUES? (ACCURACY)

🡪WHAT IS THE OVERALL PERFORMANCE OF EACH OF THE VALUES? (F1-MEASURE)

🡪FIND THE AVERAGE FOR EACH OF THE METRICS FOR THE VALUES? (AVERAGE)

🡪WHAT IS THE SUM OF THE PRODUCT OF THE PROPORTION BOTH VALUES? (WEIGHTED)

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| S.NO | WHAT IS THE  CORRECT PURCHASE VALUE OF TOTAL INPUT VLAUES?  (RECALL) | WHAT IS CORRECT PURCHASE VALUE FOR TOTAL INPUT CORRECT AND WRONG VALUES?  (PRECISION) | WHAT IS OVERALL PERFORMANCE OF BOTH PURCHASE AND NOT PURCHASED VALUES?  (ACCURACY) | WHAT IS THE OVERALL PERFORMANCE OF EACH OF THE VALUES?  (F1-MEASURE) | FIND THE AVERAGE FOR EACH OF THE METRICS FOR THE VALUES?  (AVERAGE)  1)recall  2)precision  3)f1-score | WHAT IS THE SUM OF THE PRODUCT OF THE PROPORTION BOTH VALUES?  (WEIGHTED)  1)recall  2)precision  3)f1-score |
| 1) RANDOM FOREST | 0.91 | 0.83 | **0.93** | 0.87 | 1)0.90  2)0.92  3)0.91 | 1)0.93  2)0.93  3)0.93 |
| 2) DECISION TREE | 0.85 | 0.84 | 0.89 | 0.85 | 1)0.88  2)0.88  3)0.88 | 1)0.89  2)0.89  3)0.89 |
| 3) SVM | 0.47 | 0.88 | 0.78 | 0.61 | 1)0.82  2)0.72  3)0.73 | 1)0.81  2)0.78  3)0.76 |