Assignment – 4

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ENSEMBLE SUMMARY

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| --- | --- | --- |
|  | n-ENSEMBLE COVERAGE | n-ENSEMBLE RECALL |
| n>= 1 | 1.0 | 0.68 |
| n>= 2 | 1.0 | 0.68 |
| n>= 3 | 0.90 | 0.72 |
| n>= 4 | 0.75 | 0.80 |
| n>= 5 | 0.40 | 0.81 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Classifier | Mean accuracy | Precision | Recall | F score |
| TREE | 0.6466105 | 0.610 | 0.500 | 0.500 |
| GLMNET | 0.659213 | 0.672 | 0.552 | 0.526 |
| SVM | 0.7977968 | 0.746 | 0.728 | 0.722 |
| MAXENT | 0.9531631 | 0.708 | 0.676 | 0.672 |
| BOOSTING | 0.7943647 | 0.648 | 0.652 | 0.636 |

In my experiment, on comparing the above classifier performances, MAXENT found to have better mean accuracy. The precision, recall and F-score values are higher for SVM and Maximum Entropy algorithm. Tree had the least precision, recall and f score.