**Data set info:**

* TRAIN SET: random 10% sample of “spambase” email dataset (57 attributes)
* Test SET: (different) random 10% sample of “spambase” email datase
* 480 emails in each sample

**Table & chart of results:**

|  |  |
| --- | --- |
| **Classifier** | **AUC** |
| \*Stack (SparseLogReg) | 0.977109748 |
| Random Forest | 0.974221642 |
| Gen. Boosting | 0.969241224 |
| \*W. Avg Ensemble | 0.967274093 |
| Sparse Log Reg | 0.96523543 |
| \*Avg Ensemble | 0.965146015 |
| \*Rank Avg Ensemble | 0.9639210286 |
| \*Majority Vote (prob) | 0.9578765715 |
| \*Stacking (RandFor) | 0.953012393 |
| k-NN (prescaled) | 0.9390189381 |
| SVM | 0.935415512 |
| Decision Tree | 0.900033978 |
| \*Majority Vote | 0.899712084 |
| Rule-Based Method | 0.876911247 |
| Neural Net | 0.872807096 |
| Gaussian Pr | 0.786512634 |
| k-NN | 0.737209178 |

\*ensemble does not include prescaled k-nn