Main Results are:

Digital Recognition Data Set:

|  |  |
| --- | --- |
| Number of Estimators | 50 |
| Stump Tree Depth | 6 |
| Stump Accuracy Training set | 82% |
| Stump Accuracy Testing set | 75% |
| Ensemble Accuracy Training set | 100% |
| Ensemble Accuracy Testing set | 94% |
| Training Time | 1.5 seconds |
| Cross Validation (70%, 30%, 5 folds) | 96% |

Amazon Baby Review Data Set:

|  |  |
| --- | --- |
| Number of Estimators | 400 |
| Stump Tree Depth | 3 |
| Stump Accuracy Training set | 68% |
| Stump Accuracy Testing set | 65% |
| Ensemble Accuracy Training set | 60% |
| Ensemble Accuracy Testing set | 59% |
| Training Time | 506 seconds |
| Cross Validation Accuracy | 64% |