|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Method | Training Set | | Testing Set | |
|  | Min. error | Runtime (s) | Min error | Runtime (s) |
| Decision tree | 0.976 | 0.25 | 0.852 | 0.25 |
| Random Forest (100 trees) | 1.000 | 3.46 | 0.914 | 3.10 |
| Random Forest (300 trees) | 1.000 | 9.75 | 0.913 | 9.75 |
| Logistic Regression | 0.881 | 2.84 | 0.838 | 2.84 |
| Multilayer Perceptron | 0.952 | 35.30 | 0.875 | 36.22 |
| Naïve Bayes | 0.797 | 0.02 | 0.796 | 0.02 |
| Adaboost (20 trees) | 1.000 | 5.39 | 0.898 | 5.75 |
| Adaboost (100 trees) | 1.000 | 27.62 | 0.916 | 29.24 |
| LogitBoost (10 stumps) | 0.878 | 1.20 | 0.847 | 1.07 |
| LogitBoost (100 stumps) | 0.966 | 11.71 | 0.882 | 11.55 |
| LogitBoost (100 stumps, 0.95 trim) | 0.967 | 3.58 | 0.876 | 3.96 |
| LogitBoost (25 regression trees) | 1.000 | 117.78 | 0.917 | 105.35 |
| SVM (c = 3, gamma = 5) | 0.967 | 3.85 | 0.922 | 4.01 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Method | Training Set | | Testing Set | |
|  | Minimum error | Runtime (s) | Minimum error | Runtime (s) |
| Decision tree | 0.024 | 0.25 | 0.148 | 0.25 |
| Random Forest (100 trees) | 0 | 3.46 | 0.086 | 3.10 |
| Random Forest (300 trees) | 0 | 9.75 | 0.087 | 9.75 |
| Logistic Regression | 0.119 | 2.84 | 0.162 | 2.84 |
| Multilayer Perceptron | 0.048 | 35.30 | 0.125 | 36.22 |
| Naïve Bayes | 0.203 | 0.02 | 0.204 | 0.02 |
| Adaboost (20 trees) | 0 | 5.39 | 0.102 | 5.75 |
| Adaboost (100 trees) | 0 | 27.62 | 0.084 | 29.24 |
| LogitBoost (10 stumps) | 0.122 | 1.20 | 0.153 | 1.07 |
| LogitBoost (100 stumps) | 0.034 | 11.71 | 0.118 | 11.55 |
| LogitBoost (100 stumps, 0.95 trim) | 0.033 | 3.58 | 0.124 | 3.96 |
| LogitBoost (25 regression trees) | 0 | 117.78 | 0.083 | 105.35 |
| SVM (c = 3, gamma = 5) | 0.033 | 3.85 | 0.078 | 4.01 |