

GBT:

Experiment Number	Parameters Chosen	Results
1	Number of iterations = 10 Learning rate = 0.2 Depth = 3	Training accuracy = 0.975 Testing accuracy = 0.9766 Precision = 0.977 Recall = 0.976 F1-score = 0.976
2	Number of iterations = 10 Learning rate = 0.01 Depth = 1	Training accuracy = 0.688 Testing accuracy = 0.694 Precision = 0.743 Recall = 0.694 F1-score = 0.687
3	Number of iterations = 10 Learning rate = 0.01 Depth = 2	Training accuracy = 0.860 Testing accuracy = 0.883 Precision = 0.908 Recall = 0.883 F1-score = 0.884
4	Number of iterations = 10 Learning rate = 0.01 Depth = 3	Training accuracy = 0.975 Testing accuracy = 0.9766 Precision = 0.977 Recall = 0.976 F1-score = 0.976
5	Number of iterations = 10 Learning rate = 1 Depth = 1	Training accuracy = 0.688 Testing accuracy = 0.694 Precision = 0.743 Recall = 0.694 F1-score = 0.687
6	Number of iterations = 10 Learning rate = 0.1 Depth = 1	Training accuracy = 0.688 Testing accuracy = 0.694 Precision = 0.743 Recall = 0.694 F1-score = 0.687
7	Number of iterations = 10 Learning rate = 0.1 Depth = 2	Training accuracy = 0.860 Testing accuracy = 0.883 Precision = 0.908 Recall = 0.883 F1-score = 0.884
8	Number of iterations = 10 Learning rate = 0.1 Depth = 3	Training accuracy = 0.975 Testing accuracy = 0.9766 Precision = 0.977 Recall = 0.976 F1-score = 0.976
9	Number of iterations = 10 Learning rate = 0.2	Training accuracy = 0.688 Testing accuracy = 0.694

	Depth = 1	Precision = 0.743 Recall = 0.694 F1-score = 0.687
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SVM:

Experiment Number	Parameters Chosen	Results
1	Number of iterations = 200 Learning rate = 0.001 Regularization Parameter = 0.01	Training accuracy = 78.14% Testing accuracy = 75.37% Precision = 75.2% Recall = 75% F1-score = 75%
2	Number of iterations = 100 Learning rate = 0.01 Regularization Parameter = 0.1	Training accuracy = 69.2% Testing accuracy = 67.5% Precision = 67% Recall = 67.2% F1-score = 66.8%
3	Number of iterations = 500 Learning rate = 0.01 Regularization Parameter = 0.01	Training accuracy = 82.93% Testing accuracy = 81.74% Precision = 82.1% Recall = 81.76% F1-score = 82%
4	Number of iterations = 100 Learning rate = 0.01 Regularization Parameter = 0.001	Training accuracy = 89.52% Testing accuracy = 87.26% Precision = 88.6% Recall = 87% F1-score = 87.2%
5	Number of iterations = 100 Learning rate = 0.01 Regularization Parameter = 0.01	Training accuracy = 85.96% Testing accuracy = 86.2% Precision = 86% Recall = 86% F1-score = 86%