Classification_Test

Random forest Classification(n_estimator = 40)
errors: 54
total: 258
diff: 129
avg correctness: 0.7906976744186046
avg diff: 0.5

Decision Tree Classification
errors: 63
total: 258
diff: 144
avg correctness: 0.7558139534883721
avg diff: 0.5581395348837209

BayesianClassification
errors: 204
total: 258
diff: 452
avg correctness: 0.20930232558139536
avg diff: 1.751937984496124

Bagging Classification

-Decision Tree :
errors: 66

total: 258
diff: 170
avg correctness: 0.7441860465116279
avg diff: 0.6589147286821705
- Random Tree:
errors: 49
total: 258
diff: 117
avg correctness: 0.810077519379845
avg diff: 0.45348837209302323

Boosting Classification
- Decision Tree
errors: 52
total: 258
diff: 134
avg correctness: 0.7984496124031008
avg diff: 0.5193798449612403

- Random Tree(n_estimator = 5)
errors: 48
total: 258
diff: 115
avg correctness: 0.813953488372093
avg diff: 0.44573643410852715
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- Random Tree(n_estimator = 10)
errors: 46
total: 258
diff: 117
avg correctness: 0.8217054263565892
avg diff: 0.45348837209302323
- Random Tree(n_estimator = 15)
errors: 47
total: 258
diff: 117
avg correctness: 0.8178294573643411
avg diff: 0.45348837209302323