

Different Algorithms and its Result

Algorithm	Correctly Classified Instances	Incorrectly Classified Instances	Root mean squared error
Naive Bayes	12.8906 %	87.1094 %	0.1822
BayesNet	57.0313 %	42.9688 %	0.115
Simple Logistic	60.1563 %	39.8438 %	0.1155
Multi class Classifier	61.0677 %	38.9323 %	0.1124
AdaboostM1	52.9948 %	47.0052 %	0.1371
Filtered Class Cla.	59.6354 %	40.3646 %	0.1134
Kstar	58.2031 %	41.7969 %	0.0783
LogitBoost	65.2344 %	34.7656 %	0.1057
REP Tree	60.026 %	39.974 %	0.115
Random Forest	80.7292 %	19.2708 %	0.0783

AutoWeka Classifier Result:

```
Classifier classifier = AbstractClassifier.forName("weka.classifiers.trees.RandomForest", new  
String[]{"-I", "10", "-K", "0", "-depth", "0"});  
classifier.buildClassifier(instances);
```

Correctly Classified Instances	620	80.7292 %
Incorrectly Classified Instances	148	19.2708 %
Kappa statistic	0.7291	
Mean absolute error	0.0134	
Root mean squared error	0.0783	
Relative absolute error	37.4605 %	
Root relative squared error	59.0319 %	
Total Number of Instances	768	