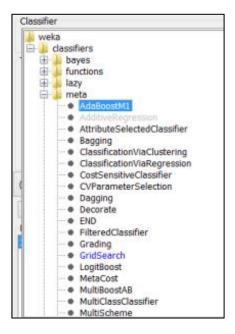
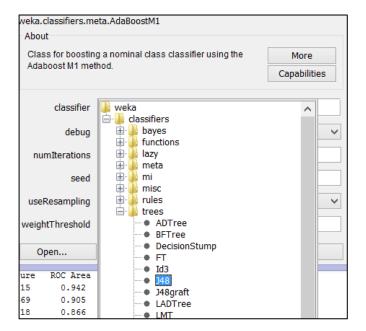
# **Colour classification example**

# **Training:**

Classifier: AdaBoost

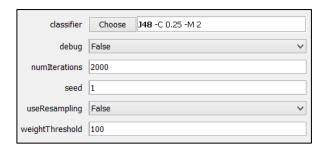


Base classifier: Decision tree

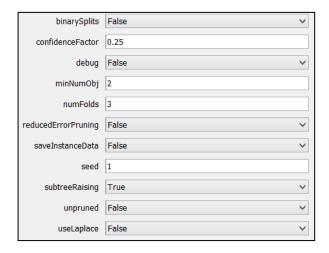


### **Parameters:**

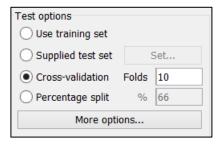
### Classifier:



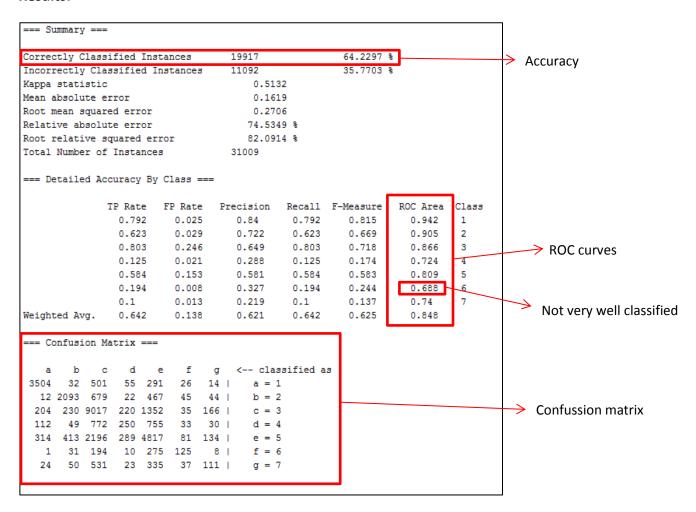
## Base classifier:



# Training:



#### **Results:**



# Test:



#### **Results:**

```
=== Summary ===
Correctly Classified Instances 4642
Incorrectly Classified Instances 3076
                                          60.1451 %
                                          39.8549 %
                            0.475
Kappa statistic
                              0.1674
Mean absolute error
Root mean squared error
                              0.282
Relative absolute error
                              76.3148 %
                            84.764 %
Root relative squared error
Total Number of Instances
                           7718
=== Detailed Accuracy By Class ===
           TP Rate FP Rate Precision Recall F-Measure ROC Area Class
            0.744 0.026 0.843 0.744 0.791
                                                  0.916 1
            0.725   0.204   0.636   0.725   0.678   0.846   3
            0.147   0.041   0.243   0.147   0.183   0.679   4
            0.582   0.186   0.535   0.582   0.558   0.778   5
            0.153 0.011 0.234 0.153 0.185 0.649 6
            0.107 0.029 0.092 0.107 0.099 0.718 7
                           0.596 0.601 0.595
Weighted Avg. 0.601 0.129
                                                   0.821
=== Confusion Matrix ===
         С
             d e
                    f g <-- classified as
 904 7 105 31 138 14 16 | a = 1
  4 545 105 31 147 19 31 | b = 2
  42 76 1845 108 370
                    8 97 I
                             c = 3
  24 13 217 93 251 17 17 | d = 4
  95 109 485 111 1208 19 48 | e = 5
  0 4 49 1 77 25 7 | f = 6
   3 9 93 7 66 5 22 | g = 7
```