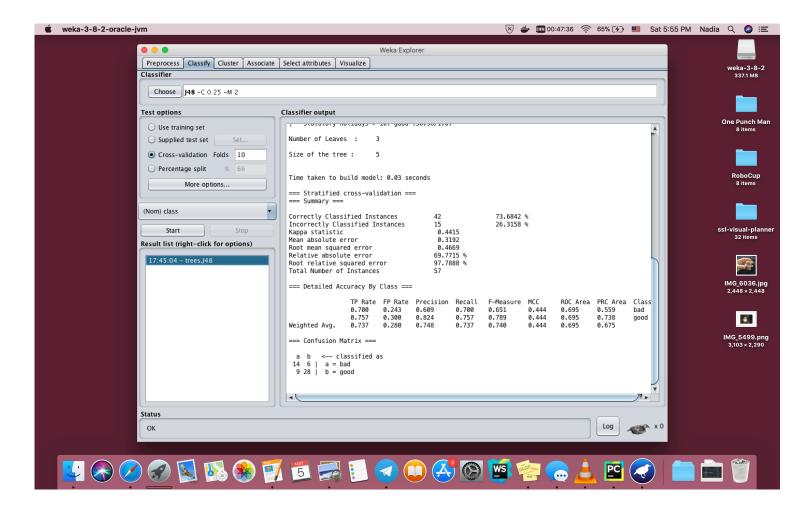
Weka Application

we classified Labor Dataset using Weka application and J48 classifier, results have shown below:

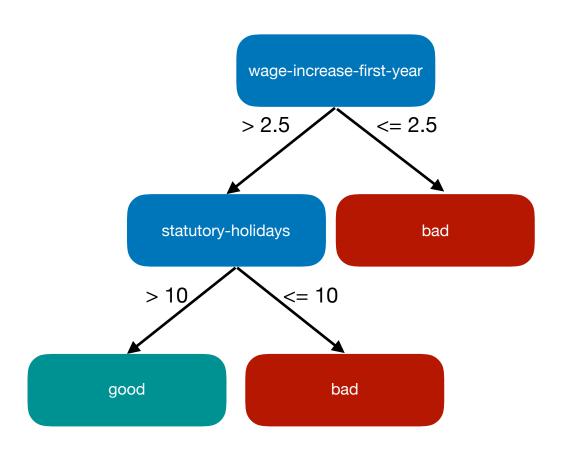


Total Accuracy: 73.68

The confusion matrix:

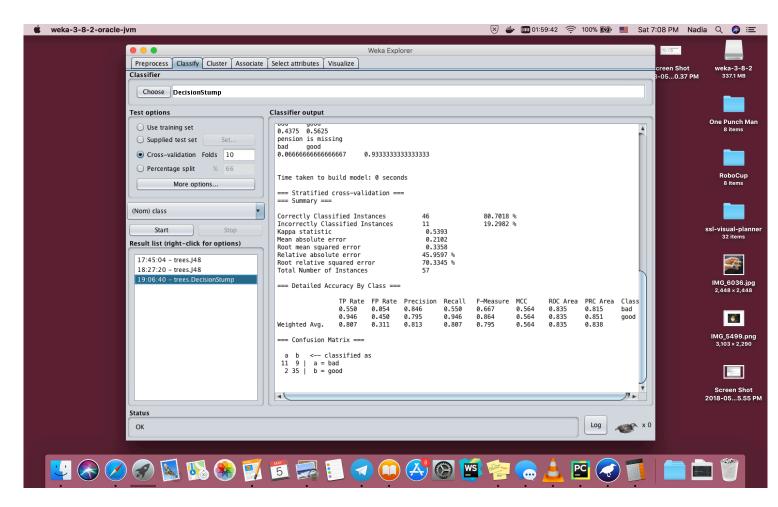
recall = #Tgood/(#Tgood + #Fbad)=28 / 34 =82.35% precision = #Tgood/(#Tgood + #Fgood)=28 / 37 = 75.67 %

F1-Measure =2*(recall * precision) / (recall +precision) = 2 * (82.35* 75.67)/(82.35+ 75.67) = 2* 6231.42/158.02 = 78.86%



The given data at the homework would be classified in the good class.

we repeat done tasks using Decision Stump classifier:



Total Accuracy: 80.70

The confusion matrix:

```
=== Confusion Matrix ===

a b <-- classified as

11 9 | a = bad

2 35 | b = good
```

recall = #Tgood/(#Tgood + #Fbad)=35 / 44 =79.54% precision = #Tgood/(#Tgood + #Fgood)=35 / 37 = 94.59%

F1-Measure =2*(recall * precision) / (recall +precision) = 2 * (79.54* 94.59)/(79.54+ 94.59) = 2*7523.68/174.13 = 86.41%

The given data at the homework would be classified in the good class.

