Applied Machine Learning

PA – 1

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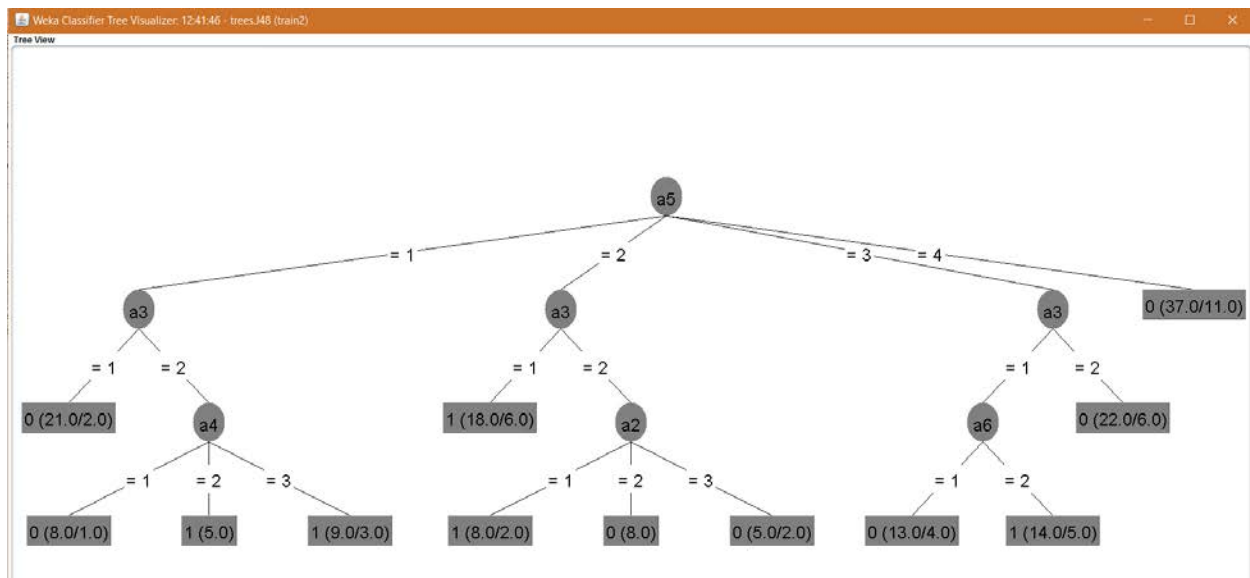
3. Dataset: UCI MONK'S

Test 1: Using WEKA

=== Confusion Matrix ===

Class 0	Class 1	
186(TP)	30(FN)	**Class 0**
75(FP)	140(TN)	**Class 1**

Accuracy = 75.6381 %

Dataset: UCI MONK'S

Test 2: Using WEKA

=== Confusion Matrix ===

Class 0	Class 1	
210(TP)	79(FN)	**Class 0**
86(FP)	56(TN)	**Class 1**

Accuracy = 61.7169 %
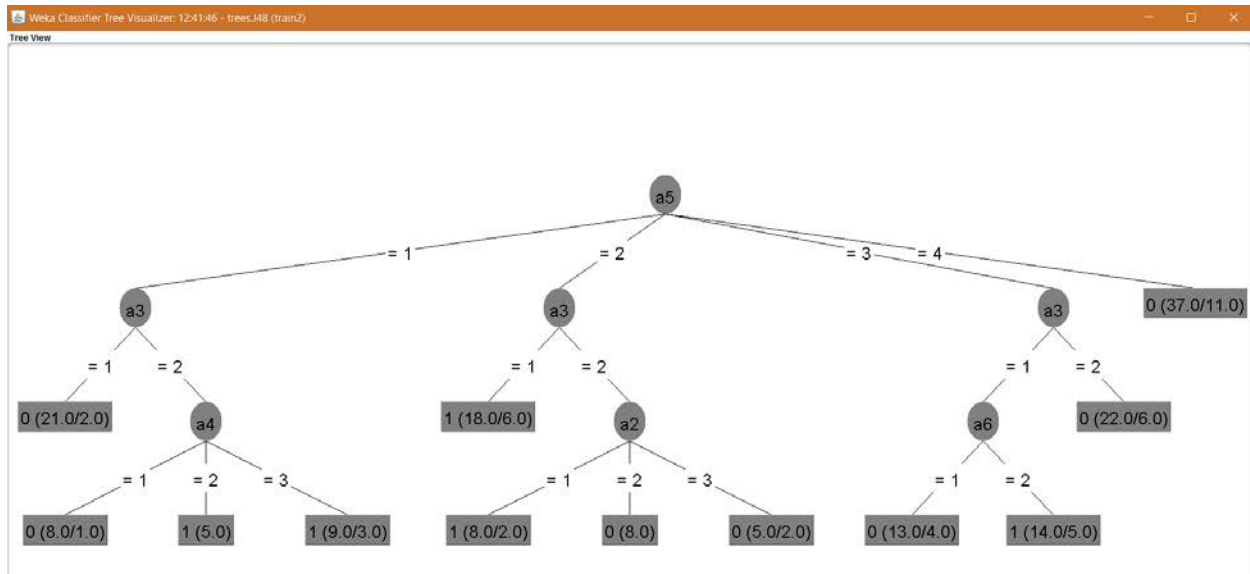
Dataset: UCI MONK'S

Test 3: Using WEKA

=== Confusion Matrix ===

Class 0	Class 1	
204(TP)	0(FN)	**Class 0**
12(FP)	215(TN)	**Class 1**

Accuracy = 97.2158 %

4. Dataset: Breast cancer Wisconsin (Own dataset)

Link to dataset:
https://archive.ics.uci.edu/ml/datasets/Breast+Cancer+Wisconsin+%28Original%29

Link to description of dataset: https://archive.ics.uci.edu/ml/machine-learning-databases/breast-cancer-wisconsin/breast-cancer-wisconsin.names

Test: Using WEKA

=== Confusion Matrix ===

Benign(2)	Malignant(4)	
622(TP)	23(FN)	Benign(2)
15(FP)	326(TN)	Malignant(4)

Accuracy: 96.146 %