WEKA ASSIGNMENT

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1. DATASET DESCRIPTION:

Dataset Name: Labor

Source of the dataset:

https://github.com/tertiarycourses/Weka/blob/master/Weka%20 datasets/labor.arff

Dataset description: The data set contains 1 classes of 57 instances each where each class

refers to a type of iris plant.

No of attributes: 17

No of instances: 57

2. INPUT & OUTPUT:

	1.Duration	
	1.Duration	Duration: class
	2 W : 1 St	Duration: class
	2.Wage increase 1 st year	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Wage increase 1 st year: class
	3.Working hours	
LABOUR		Working hours: class
	4.Pension	
		Pension: class
	5.Education allowance	
		Education allowance: class
	6.Statutory Holidays	
	· ·	Statutory Holidays: class
	7.Vacation	
		Vacation: class
	8.Standby Pay	
		Standby Pay: class
	9.Bereavement Assistance	Suitaby Luy. Cluss
	7.Derea Chieff Assistance	Bereavement Assistance: class
	10.Class	Beleavement Assistance, class
	TO.Class	

3. DATA PREPARATION:

Removal of null data types, empty instances and false attribute.

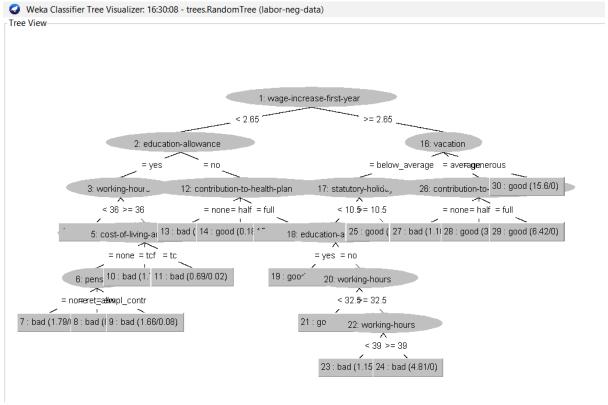
4. SELECTING AN ALGORITHM:

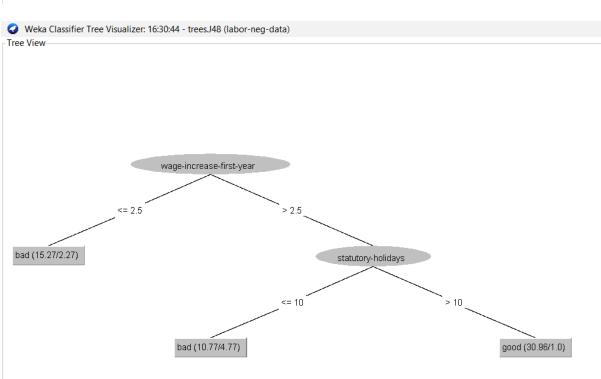
	Result from Weka			
Algorithm	Correctly Classified Instances	Mean Absolute Error		
Weka Classifiers				
NaiveBayes	51	0.1042		
NaiveBayesMultinominalText	37	0.4574		
NaiveBayesUpdateable	51	0.1042		
Weka Classifiers Functions				
Logistic	53	0.0641		
MultilayerPerceptron	49	0.1524		
Weka Classifiers Meta				
AdaBoostM1	50	0.1519		
Bagging	48	0.2979		
Weka Classifier Trees				
J48	42	0.3192		
RandomTree	45	0.2438		
Weka Classifier Rules				
DecisionTable	43	0.2996		
JRip	44	0.2256		

5.DATA PREPROCESSING:

Attribute Evaluator	Classifier Subset Eval (Classifier: meta.Bagging with training parameter: classifiers = J48 and the others in their default)
Search Method	BestFirst (Direction: Forward)
Evaluation Mode	10-fold cross-validation (Folds = 10, Seed =1)

6.TREE PRODUCED:





7. SCREENSHOTS:

