

Entropy = $-\sum P(j) \log P(j)$

1 Child Class Entropy 2. Approve Roject Best condition 0.7219 Long -Term Yes. 4 0-7219 split 0.7219 Debt No 4 1 0 Yes 2 0 Unemployed 0-7635 0.9544 3 5 No 0.9183 1 2 0-9651 Coredit Good Roting 4 0.9852 Bad 3 Current Tree Long - Term Debt yes ND APPROVE & 4 Approve: 1 Reject. Reject: 4 (child) Long Term Class Entropy Debt = Yes Approve Reject Total Yes 0 Unemployed 0.6490 3 0.8113 NO Corectit Rating Best condition Good 0 0 4 0 0 8 plit Correct Tree! Long-Term Debt No Apphove=4 Gedit Rating Reject: 1 Bad Good Roject Approve



1	Long-Torn	o descri	Class		Enteropy 1	Entropy		
	Robt = No		Approve	Reject	(child)	Total	1:6:00	
1	nemployed	Yes	0 21	101	0	0	< Rest conclition	
1	200	No	4	0	10	W. Achter	Spai	
G	Rating	Good		1	E1 1	0.4000	And the state of t	
		Book	1 3	0	0			

Final Tree:

Long-Tremest unemployed Gredit Rating NO Yes Bad Approve Approve Reject Reject

				1、477多数	5 5	A le segla		
		Long-Ferm Debt	unemployed	Gudit	(Actual)	(Predided)	6 months	
No.		No	~0	Good	Approve	Approve	4.4	
Supply .		No	No	Berc	Approve	Approve		
		No	No	Bord	Approve	Approve		
	中	No	No	Bad	Approve	Approve		
TO THE REAL PROPERTY.	10.3	Yes	No	Good	Approve	Approve		
		No	Yes	Good	Reject	Reject		
		Yes	No	Bad	Roject	Reject.	1	
		yes	No	Bad	Reject	Reject		
- Allegar		Yes	No	Bad	Reject	Reject		
		Yes	Yes	Bac	Reject	Reject		
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Accuracy = 1 Training Error = 11-1 = 0



