

④ 1 Rule

1 Rule.

mllearn 310 HW2

Attribute	Rules	Errors	Total Errors
Age	Young Adult \rightarrow yes	$1/3$	$3/9 = 1/3$
	Middle Age \rightarrow no	$1/4$	
	senior \rightarrow no	$1/2$	
Income	High \rightarrow yes	$1/3$	$3/9 = 1/3$
	medium \rightarrow yes	$1/2$	
	low \rightarrow no	$1/4$	
Education	College \rightarrow yes	$3/6$	$4/9$
	High School \rightarrow no	$1/3$	
Prior Purchase	yes \rightarrow yes	$1/4$	$1/9$ Least Errors
	no \rightarrow no	$0/5$	

1 Rule:

If Prior purchase = No then Buy PC = No

Last 2 rows:

Age	Income	Education	Prior Purchase	Buy PC?
Young Adult	High	College	No	No
senior	Medium	High School.	No	No