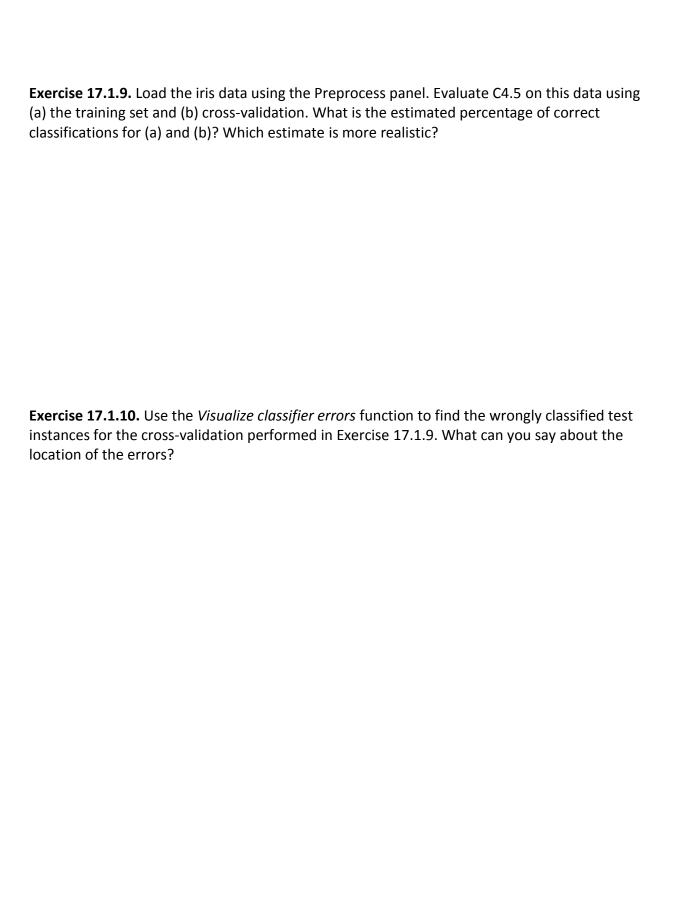
CS 345: Data Mining In-Class Activity 3	Names:	
_	rcises for the Weka Explorer. Put your solutions for each exect extends that the attribute temperature can have?	ercise below.
corresponds to the iris datase	dataset. Click the <i>Open file</i> button and select the file <i>in</i> set in Table 1.4. How many instances does this dataset e range of possible values of the attribute <i>petallength</i> ?	have? How
Exercise 17.1.3. What is the	function of the first column in the Viewer window?	
Exercise 17.1.4. What is the	class value of instance number 8 in the weather data?	
<b>Exercise 17.1.5.</b> Load the iris nominal attributes does this	s data and open it in the editor. How many numeric an dataset have?	d how many
	this instance be classified using the decision tree? re = cool, humidity = high, windy = TRUE	



<b>Exercise 17.6.1.</b> Based on the output, what is the support for this item set? outlook = rainy humidity = normal windy = FALSE play = yes
<b>Exercise 17.6.2.</b> Suppose you want to generate all rules with a certain confidence and minimum support. This can be done by choosing appropriate values for <i>minMetric</i> , <i>lowerBoundMinSupport</i> , and <i>numRules</i> . What is the total number of possible rules for the weather data for each combination of values in Table 17.6?
<b>Exercise 17.6.3.</b> Run <i>Apriori</i> on the weather data with each of the four rule-ranking metrics, and default settings otherwise. What is the top-ranked rule that is output for each metric?
<b>Exercise 17.6.4.</b> Run <i>Apriori</i> on this data with default settings. Comment on the rules that are generated. Several of them are quite similar. How are their support and confidence values related?
Exercise 17.6.5. It is interesting to see that none of the rules in the default output involve Class = republican. Why do you think that is?

**Exercise 17.6.6.** Experiment with *Apriori* and investigate the effect of the various parameters described before. Write a brief report on the main findings of your investigation.