

### ZeroR and OneR Worked examples

	Attribute 1	Attribute 2	Class
Record 1	red	large	B
Record 2	blue	large	A
Record 3	green	large	B
Record 4	blue	small	A
Record 5	green	small	B
Record 6	red	small	B
Record 7	red	small	C

**ZeroR** What prediction is made on this set by ZeroR? And what is the accuracy of this prediction?

Method: predict the majority class in the training set.

Class A Count:                  Class B Count:                  Class C Count:

**Predicted Class** =

Accuracy on the training set =

**OneR** What prediction is made on this set by OneR?

Method: Create a potential rule for each attribute. Then choose the rule with the best accuracy.

Rule 1: Look for the majority class for each value of Attribute 1

If Attribute 1 =                  then Class =                  ;

If Attribute 1 =                  then Class =                  ;

If Attribute 1 =                  then Class =

Accuracy on the training set of Rule 1 =

Rule 2: Look for the majority class for each value of attribute 2

If Attribute 2 = large then Class = B

If Attribute 2 = small then Class = B

Accuracy on the training set of Rule 2 =

The chosen rule is: