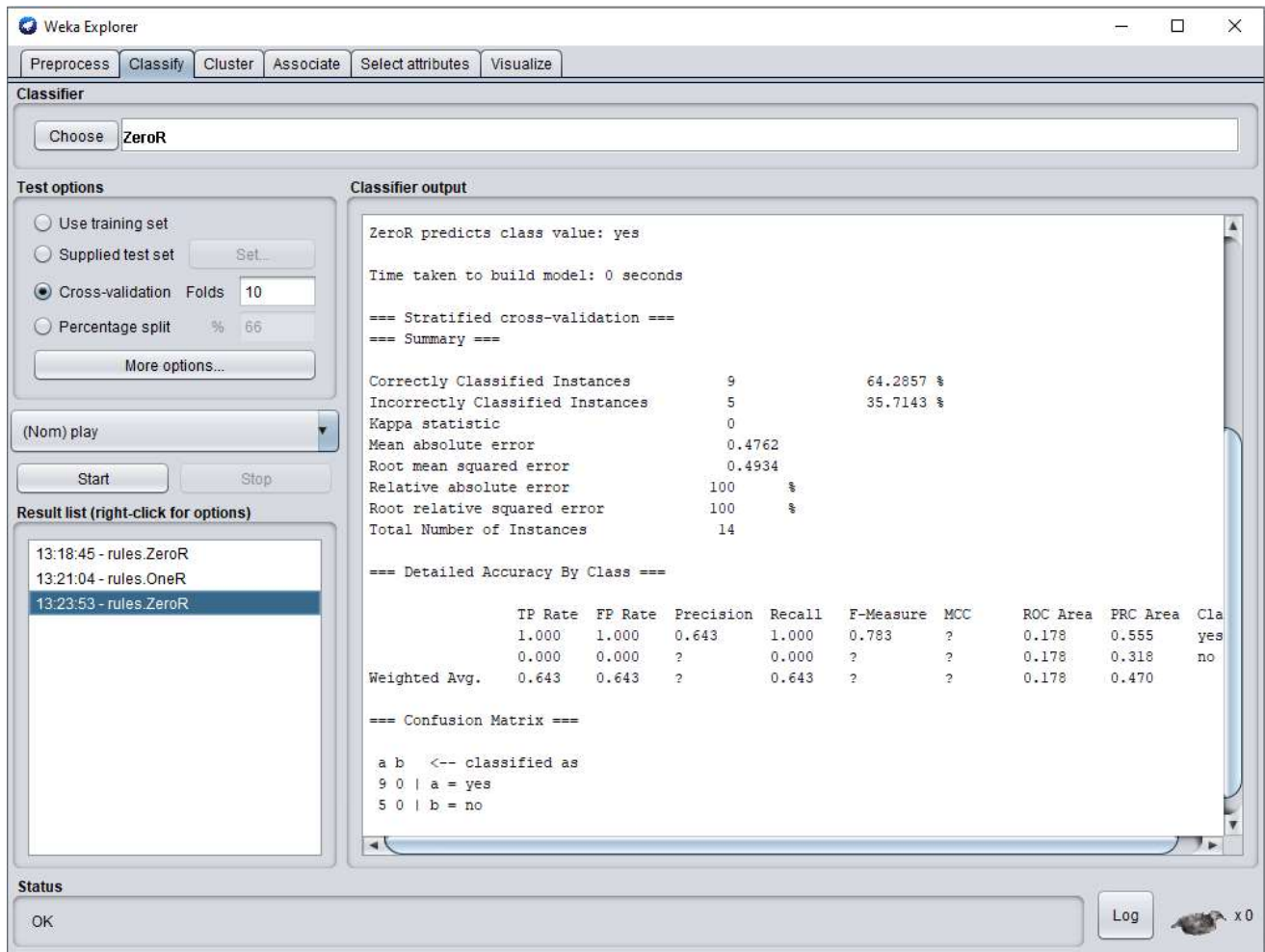


## Aim:- Apply zeroR and OneR in Weka

### Zero R:-



The screenshot shows the Weka Explorer interface with the ZeroR classifier selected. The 'Test options' section shows 'Cross-validation' with 'Folds' set to 10. The 'Classifier output' pane displays the following results:

ZeroR predicts class value: yes

Time taken to build model: 0 seconds

=== Stratified cross-validation ===

=== Summary ===

Metric	Value	Percentage
Correctly Classified Instances	9	64.2857 %
Incorrectly Classified Instances	5	35.7143 %
Kappa statistic	0	
Mean absolute error	0.4762	
Root mean squared error	0.4934	
Relative absolute error	100	%
Root relative squared error	100	%
Total Number of Instances	14	

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
yes	1.000	1.000	0.643	1.000	0.783	?	0.178	0.555	yes
no	0.000	0.000	?	0.000	?	?	0.178	0.318	no
Weighted Avg.	0.643	0.643	?	0.643	?	?	0.178	0.470	

=== Confusion Matrix ===

```

a b  <-- classified as
9 0 | a = yes
5 0 | b = no

```

The 'Result list' on the left shows three entries: '13:18:45 - rules.ZeroR', '13:21:04 - rules.OneR', and '13:23:53 - rules.ZeroR', with the last one selected.

The 'Status' bar at the bottom shows 'OK' and a 'Log' button.

### One R:-

Weka Explorer

Preprocess Classify Cluster Associate Select attributes Visualize

**Classifier**

Choose OneR - B 6

**Test options**

☐ Use training set  
☐ Supplied test set Set...  
☒ Cross-validation Folds 10  
☐ Percentage split % 66

More options...

(Nom) play

Start Stop

**Result list (right-click for options)**

- 13:18:45 - rules.ZeroR
- 13:21:04 - rules.OneR

**Classifier output**

Time taken to build model: 0 seconds

=== Stratified cross-validation ===  
=== Summary ===

Correctly Classified Instances	6	42.8571 %
Incorrectly Classified Instances	8	57.1429 %
Kappa statistic	-0.1429	
Mean absolute error	0.5714	
Root mean squared error	0.7559	
Relative absolute error	120 %	
Root relative squared error	153.2194 %	
Total Number of Instances	14	

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	0.444	0.600	0.571	0.444	0.500	-0.149	0.422	0.611	yes
	0.400	0.556	0.286	0.400	0.333	-0.149	0.422	0.329	no
Weighted Avg.	0.429	0.584	0.469	0.429	0.440	-0.149	0.422	0.510	

=== Confusion Matrix ===

a b <-- classified as

4 5 | a = yes

3 2 | b = no

**Status**

OK Log x0