

## Experiment - 6 Support Vector Machine for Binary Classification

### Outputs

```
=== Stratified cross-validation ===
```

```
=== Summary ===
```

Correctly Classified Instances	74	74	%
Incorrectly Classified Instances	26	26	%
Kappa statistic	0.3948		
Mean absolute error	0.26		
Root mean squared error	0.5099		
Relative absolute error	57.722	%	
Root relative squared error	107.5058	%	
Total Number of Instances	100		

```
=== Detailed Accuracy By Class ===
```

			TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC
Area	PRC Area	Class							
		c0	0.848	0.471	0.778	0.848	0.812	0.399	
0.689	0.760								
		c1	0.529	0.152	0.643	0.529	0.581	0.399	
0.689	0.500								
Weighted Avg.			0.740	0.362	0.732	0.740	0.733	0.399	
0.689	0.672								

```
=== Confusion Matrix ===
```

```
  a  b  <-- classified as
56 10 |  a = c0
16 18 |  b = c1
```

 OUTPUT