

Dataset

Feature 1

Feature 2

Target Accuracy :96.0

Current Accuracy :98.77%

Maximum Accuracy :98.77%

Perimeter Vs Aspect Ratio

Class :

F1 :

F2 :

Image	ImageID	Class	Contrast Ratio	Aspect Ratio	Perimeter	X-Symmetry	Y-Symmetry	Holes
	2	0	0.19	0.092	87	131	137	2
	22	0	0.204	0.095	86	143	133	2
	35	0	0.216	0.085	77	113	119	2
	38	0	0.237	0.09	73	132	130	2
	52	0	0.279	0.097	93	149	125	2
	57	0	0.277	0.095	90	150	139	2
	64	0	0.3	0.1	94	154	160	2
	69	0	0.148	0.1	103	72	96	2
	70	0	0.273	0.087	77	125	116	2
	76	0	0.202	0.09	77	127	128	2
	82	0	0.231	0.09	84	135	127	3
	89	0	0.201	0.095	92	110	109	2
	96	0	0.242	0.085	79	107	108	2



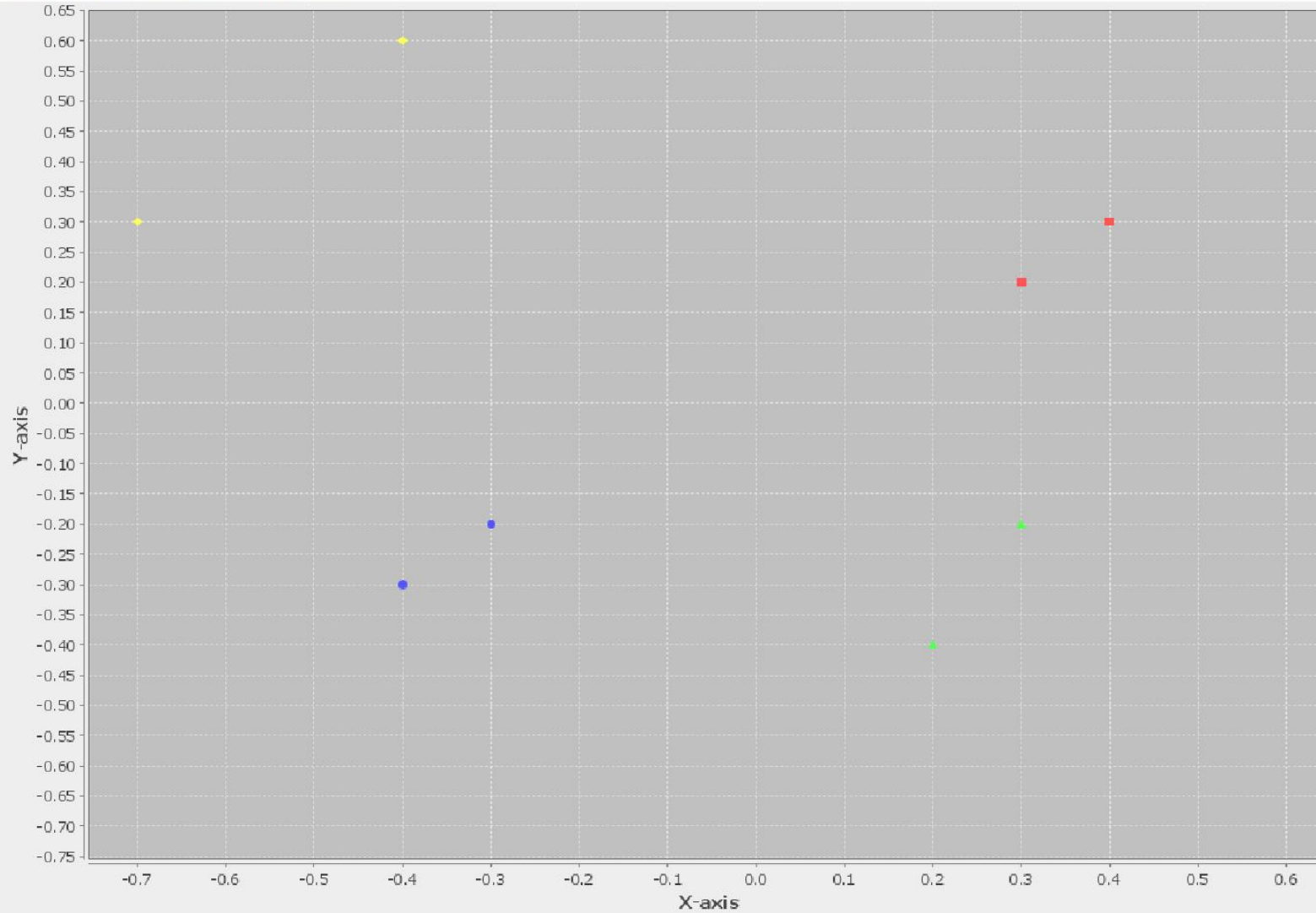
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ENG



■ Class 1 ● Class 2 ▲ Class 3 ◆ Class 4 ■ Test

Load Custom Datasets

Class 1 T1 Load

Mark Points

Test Point Clear

Classification DDAG

Start Next

Current Classifier : 1 vs 4

Current Class : jLabel4

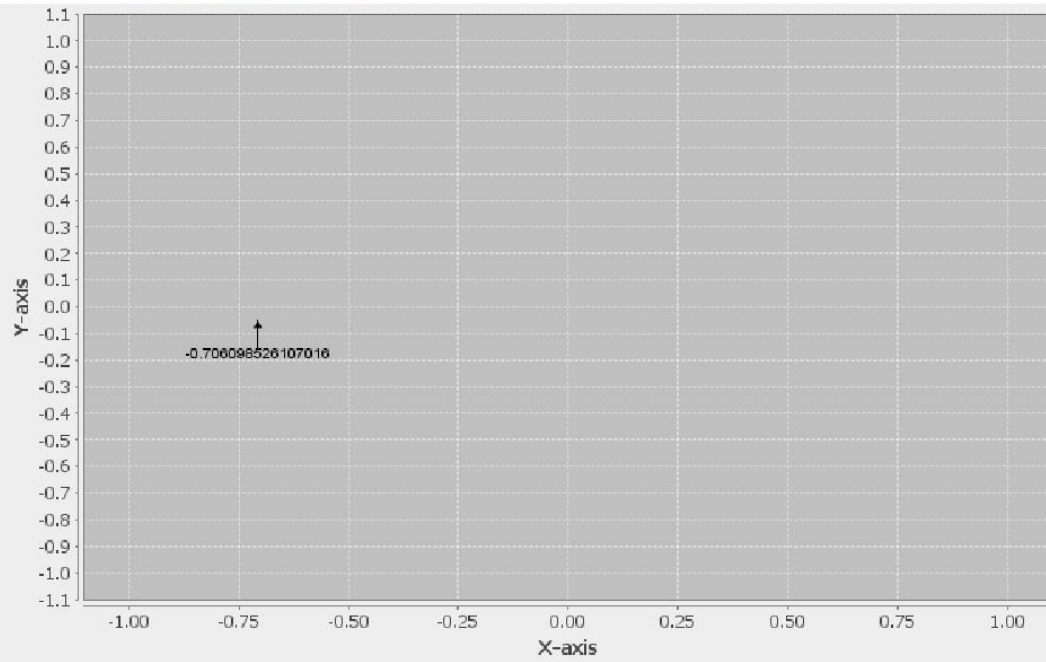
Resize Axes



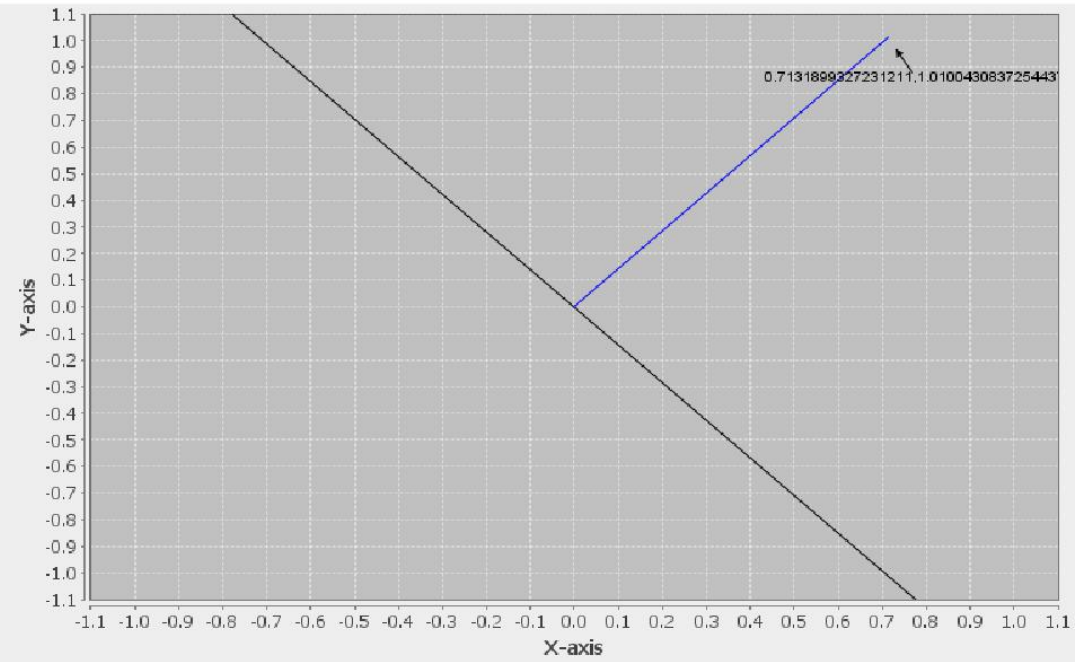
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Pattern Recognition : Experiment 3 - Perceptron



■ Class 1 ■ Class 2



■ Class 1 ■ Class 2

Add Data

Add Class 1

Add Class 2

Clear

Steps

Start

Step

Step 100

Learning Parameter

1/k²

Status

Status

Value of a

[0.7131899327231211, 1.0100430837254437]



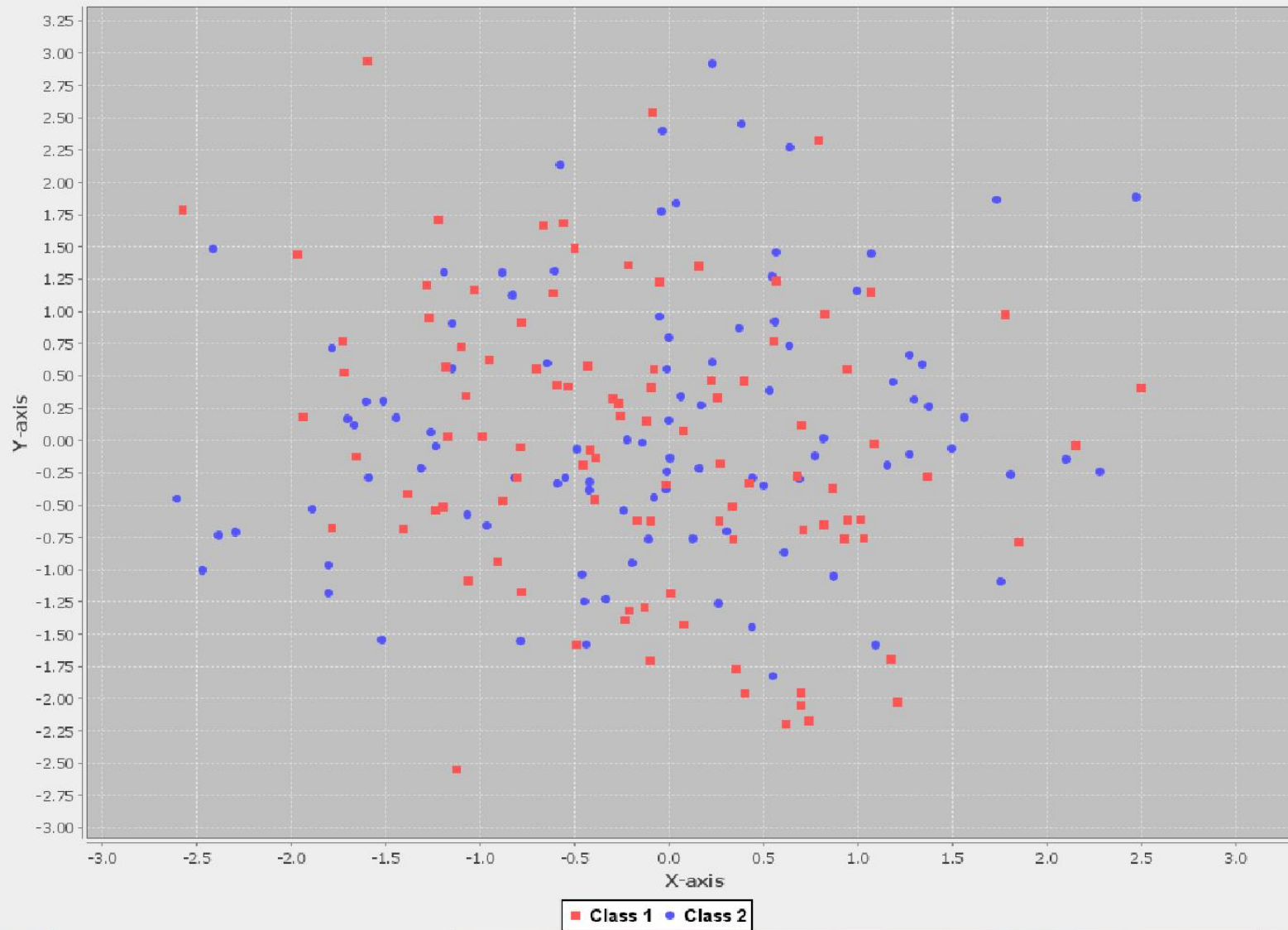
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Load Custom Datasets

Class 1	T1	Load
Class 2	T1	Load

Mark Points

Class 1	Class 2	Clear
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Calculate

	Class 1		Class 2	
Mean	0.02	-0.03	0.02	-0.03
Co-Variance	1.06	-0.89	1.06	-0.89
Estimate	-0.89	1.15	-0.89	1.15

Generate Random Values

	Class 1		Class 2	
Count	100		100	
Mean	0	0	0	0
Co-Variance	1	0	1	0
Generate	0	1	0	1

Resize Axes



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