Dataset: 03_heart-statlog.csv Num classes: 2 Prop classes: 0.56 0.44 AvgProb(Rnd_A): 0.508 - (Rnd_B): 0.508 - (Rnd_C): 0.49 MedianProb(Rnd_A): 0.48 - (Rnd_B): 0.48 - (Rnd_C): 0.467 Expected accuracy (Rnd Classifier): 0.5072 Opt (Abil): 0.076 - Opt (AvgProb): 0.787 Pess (Abil): -3.252 - Pess (AvgProb): 0.367 Items by Dscrmn (colour) & Dffclt (size) - (0.56 0.44) Hist. Difficulty (All instances) Hist. Difficulty (Noisy instances) 40 -200 30 Dffclt conut conut **-1.5** 0.0 10 1.5 3.0 -100 -**5**0 -150 -100 -50 Dscrmn **Dffclt** Dffclt 1.5 Hist. Discriminant (All instances) Hist. Discriminant (Noisy instances) 0.0 -1.5 40 -3.0 factor(Class) count count **1** 10 --1.5 0.0 20 0.0 2.5 -1.0 -2.5 5.0 -2.0 -0.5 0 Dscrmn Dscrmn Avg. Prob Success vs Accuracy OptimalClass 1.00 OptimalClass Single Straight 0.75 MajorityClass Accuracy 05.0 RandomClass_B RandomClass_A MinorityClass 0.25 0.00 PessimalClass 0.25 0.75 0.00 0.50 1.00 Ability **Average Probability of Success** Histogram Accuracies (classifiers) 50 -40 conut 30 · 10 -

300

250

200

150

1.00

0.75

0.25

0.00

20 conut

10

<u>-</u>2

-40

-20

MajorityC

Random Class_A

MinorityClass

0.00

0.25

0.75

0.50

Acc

1.00

RandomClass_

PessimalClass

Histogram abilities (classifiers)

0

Ability

pc1