Dataset: b__Cassini_3c_200e_10n.csv Num classes: 3 Prop classes: 0.4 0.4 0.2 AvgProb(Rnd_A): 0.281 - (Rnd_B): 0.308 - (Rnd_C): 0.316 MedianProb(Rnd_A): 0.224 - (Rnd_B): 0.244 - (Rnd_C): 0.251 Expected accuracy (Rnd Classifier): 0.36 Opt (Abil): 0.099 - Opt (AvgProb): 0.883 Pess (Abil): -2.765 - Pess (AvgProb): 0.131 Hist. Difficulty (All instances) Items by Dscrmn (colour) & Dffclt (size) – (0.4 0.4 0.2) Hist. Difficulty (Noisy instances) Dffclt count count factor(Class) Dffclt **Dffclt** Hist. Discriminant (Noisy instances) Hist. Discriminant (All instances) 7.5 Dscrmn 30 1.5 count conut 0.0 -1.5 0.5 1.0 -2 -1.0 -0.5 20 30 0.0 -10 10 Dscrmn Dscrmn Ability vs Accuracy Avg. Prob Success vs Accuracy OptimalClass OptimalClass Accuracy 05.0 MajorityClass MajorityClass RandomClass_C & RandomClass_B RandomClass_B RandomClass_A RandomClass_A 0.25 MinorityClass MinorityClass PessimalClass 0.00 PessimalClass 0.25 0.75 0.00 0.50 1.00 Ability **Average Probability of Success** Histogram Accuracies (classifiers) Histogram abilities (classifiers) 75 count 25 0.75 0.00 0.25 0.50 1.00 Ability

Acc

1.00

0.75

Accuracy 0.500

0.25

0.00

20

count