ALGORITHM

Accuracy = (TP+TN)/(TP+FP+TN+FP)
Sens t v ty = TP/(TP+FP)
Spec f c ty = TN/(TN+FN)
Prec s on = TP/(TP+FN)
Recall = TP/(TP+FP)
Prevalence = (TP+FP)/(TP+FP+TN+FN)
Detect on Rate = TP/(TP+FP+TN+FN)
Detect on Prevalence = (TP+FN)/(TP+FP+TN+FN)

A			B			C		
TP=63	FP=28	91	TP=77	FP=77	154	TP=24	FP=88	112
FN=37	TN=72	109	FN=23	TN=23	46	FN=76	TN=12	88
100	100	200	100	100	200	100	100	200
TPR = 0.63			TPR = 0.77			TPR = 0.24		
FPR = 0.28			FPR = 0.77			FPR = 0.88		
PPV = 0.69			PPV = 0.50			PPV = 0.21		
F1 = 0.66			F1 = 0.61			F1 = 0.22		
ACC = 0.68			ACC = 0.50			ACC = 0.18		

Balanced Accuracy = (sens t v ty+spec f c ty)/2
PPV = (sens t v ty * prevalence)/((sens t v ty*prevalence) + ((1-spec f c ty)*(1-prevalence)))
NPV = (spec f c ty * (1-prevalence))/(((1-sens t v ty)*prevalence) + ((spec f c ty)*(1-prevalence)))
F1 = (1+beta^2)*prec s on*recall/((beta^2 * prec s on)+recall)
Burada beta = 1 alınır.

These are calculated performance metr cs. These metr cs reflect the pos t ve/negat ve effects of the algor thm on certa n graphs.
enables progress.