Quiz 9

Actual	Predicted		
N	N	/	FN
P	P	/	TP
P	N	/	FP
P	P	/	TP
N	P	/	FP
N	N	/	TN
N	P	/	FN
P	N	/	FP
P	P	/	TP
P	P	/	TP

Predicted / Actual	C_1	$-C_1$
C_1	(TP) (TP) (TP) (TP)	(TN)
$-C_1$	(FP) (FP) (FP)	(FN) (FN)

$$\text{Accuracy} = (TP + TN) \ / \ All$$
$$= 0.6$$

$$P = \text{Precision} = \frac{TP}{TP + FP} = \frac{4}{6} = 0.667$$

$$R = \text{Recall} = \frac{TP}{TP + FN} = \frac{4}{6} = 0.667$$

$$\text{Sensitivity} = \widehat{TP/P} = \frac{4}{6} = 0.667$$

$$\text{Specificity} = TN/N = \frac{2}{4} = 0.5$$

(F-measure) When $\beta = 1$

$$F_1 = \frac{2PR}{P+R} = \frac{0.89}{1.34}$$

$$= 0.667$$