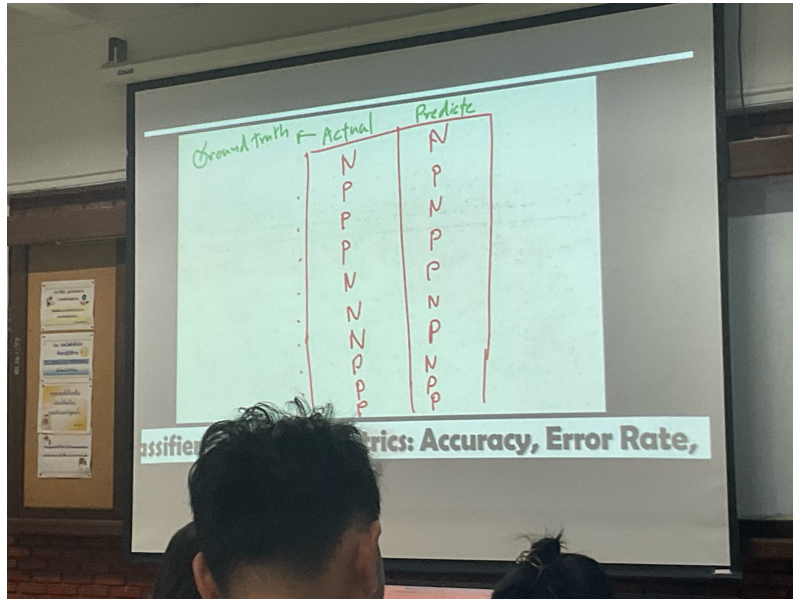


# Quiz 9



actual \ predic	P	N	total
P	4	2	6
N	2	2	4
total	6	4	10

$$\begin{aligned}
 \text{Accuracy} &= (TP + TN) / All \\
 &= (4 + 2) / 10 = 0.6
 \end{aligned}$$

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

A \ P	C	-C	
C	TP	FN	P
-C	FP	TN	N
	P'	N'	All

$$= \frac{4}{4 + 2}$$

$$= \frac{4}{6} = 0.667$$

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

$$\frac{4}{4 + 2}$$

$$= \frac{4}{6} = 0.667$$

$$\text{Sensitivity} = TP/P$$

$$= \frac{4}{6} = 0.667$$

$$\text{specificity} = TN/N$$

$$\frac{2}{4} = 0.5$$

$$F_2 = \frac{2PQ}{P+R}$$

$$= \frac{2(0.667)(0.667)}{0.667 + 0.667}$$

$$= 0.667$$