

Ground Truth

Actual	Predicted
N	N
p	p
p	N
p	p
N	p
N	N
N	p
p	N
p	p
p	p

TN x

TP x

FN x

TP x

FP x

TN x

FP x

FN x

TP x

TP x

Actual class \ Predicted class	yes	no	Total
yes	TP = 4	FN = 2	P = 6
no	FP = 2	TN = 2	N = 4
Total	P' = 6	N' = 4	10

$$\text{Accuracy} = \frac{(TP+TN)}{\text{All}} = \frac{(4+2)}{10} = \frac{6}{10}$$

$$\text{Precision} = P = \frac{TP}{TP + FP} = \frac{4}{4 + 2} = \frac{4}{6} = 0.67$$

$$\text{Recall} = R = \frac{TP}{FP + FN} = \frac{4}{2 + 2} = \frac{4}{4} = 1$$

ความแม่นยำ

$$\text{Sensitivity} = \frac{TP}{P} = \frac{4}{6} = \frac{2}{3} = 0.67$$

ความจำเพาะ

$$\text{Specificity} = \frac{TN}{N} = \frac{2}{4} = \frac{1}{2} = 0.5$$