

Ground Truth ←

Actual	Predicted
N	N
P	P
P	N
P	P
N	P
N	N
N	P
P	N
P	P
P	P

Actual class \ Predicted class	buy-computer = yes	buy-computer = no	total
buy-computer = yes	6	4	10
buy-computer = no	4	6	10

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

$$= \frac{4+2}{10}$$

$$= 0.6$$

Sensitivity (recall)

$$TP/P = \frac{4}{6} = 0.666$$

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

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

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

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

Specificity

$$TN/N$$

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

