

Ground Truth

Actual	Predict
N	N
P	P
P	P
N	N
N	N
N	N
P	P
P	P
P	P

ier Evaluation Metrics: Accuracy, Error Rat

A \ P	C	-C	total
C	4 TP	2 FN	6
-C	2 FP	2 TN	4
	6	4	10

$$\text{Accuracy} = \frac{6}{10} = 0.6 = 60\%$$

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

$$\text{Sensitivity or Recall} = \frac{TP}{TP+FN} = \frac{4}{6}$$

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

$$F_1\text{-Score} = \frac{2PR}{P+R}$$

$$= \frac{2(\frac{4}{6})(\frac{4}{6})}{\frac{4}{6} + \frac{4}{6}} = \frac{2}{3}$$