

6 ground truth

actual	Predict	
N	N	/
p	p	/
p	N	/
p	p	/
N	p	
N	N	/
N	p	
p	N	/
p	p	/
p	p	/

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actual \ predict	+	-	total
+	4 (TP)	2 (FN)	6
-	2 (FP)	2 (TN)	4
total	6	4	10

$$\text{accuracy} = \frac{4+2}{10} = 0.6$$

$$\text{precision} = \frac{4}{4+2} = \frac{2}{3}$$

$$\text{Recall} = \frac{4}{4+2} = \frac{2}{3}$$

$$F_1 = \frac{2 \left( \frac{4}{6} \right) \left( \frac{4}{6} \right)}{\frac{4}{6} + \frac{4}{6}} = \frac{2 \left( \frac{16}{36} \right)}{\frac{8}{6}} = \frac{2}{3}$$

$$\text{specificity} = \frac{2}{4} = \frac{1}{2}$$