ground truth

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Λ L .1	0 1.1	1		+	_	
Actual	Predict		19	C	- C.	
· · · · P.	, P		A	C		
P	- P -	14	C	4	2 pm	6
N	P	13.7	-C	2 NP	2 m	4
	- P	-	14. 15.	6	4	10
	K -					
P	P					
Ν	N		Confu	sion	Mad	brix

Accuracy =
$$\frac{TP+TN}{All} = \frac{4+2}{10}$$

ground truth

LARY JUSIULIN PHORDAMENT 643020515-5

Actual	Predict
P.	, P
P	P _
N	- N
· · · P	-P -
	- P -
N	N

c 4 pp 2 pm 6	NP	C	- C
4 PP 2 PM (C	- C
PP Z AN G	1	1	
	C	1 PP	< pm
		2 NP	4 1

Confusion Matrix

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

Foror Pate =
$$\frac{\text{FP+FN}}{\text{All}} = \frac{2+2}{10} = \frac{4}{10}$$

Imbalance problem 10 · Sensitivity · Specificity

$$F_{\beta} = \frac{1}{\varphi \cdot \frac{1}{P} + (1-\varphi) \cdot \frac{1}{R}} = \frac{(\beta^2 + 1) PR}{\beta^2 P + R}$$

$$= \frac{2PR}{P+R}$$

$$= 2 \cdot \frac{4}{6} \cdot \frac{4}{6}$$

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

$$=\frac{2}{3}=0.667$$

Precision =
$$\frac{4}{4+2} = \frac{4}{6} = 0.667$$