

Machine Learning

Confusion Matrix



START

Confusion Matrix

Accuracy(정확도) = $(TP+TN) / (TP+FP+FN+TN)$

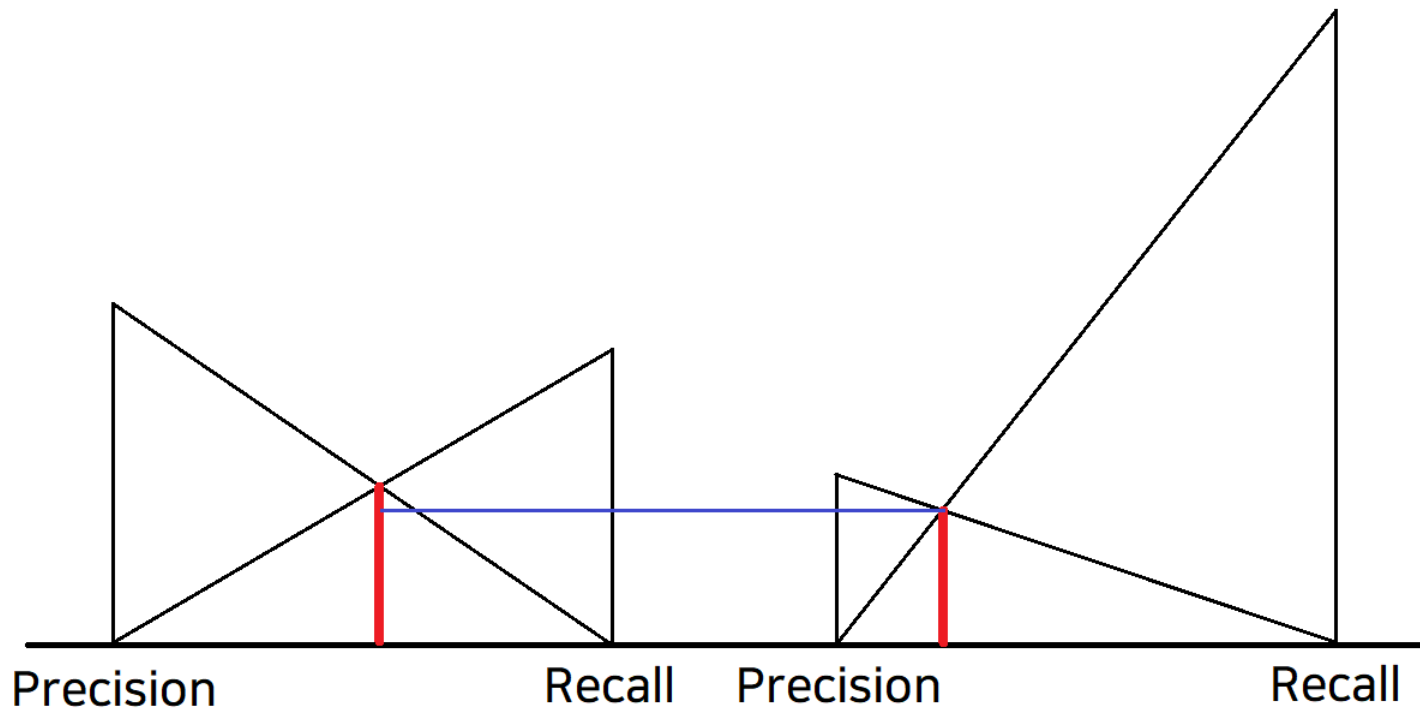
Precision(정밀도) = $TP / (TP+FP)$

Recall(재현율) = $TP / (TP+FN)$

예측: 100 암X
실제: 95 암 X
5 암 O

		Predicted	
		No	Yes
Actual	No	TN	FP
	Yes	FN	TP

$$\text{F1-Score} = 2 * (P * R) / (P + R)$$



Confusion Matrix



번호 [1 , 2 , 3 , 4 , 5 , 6]

예측 : [음치, 음치, 가수, 가수, 가수, 가수]

정답 : [음치, 음치, 음치, 음치, 가수, 가수]

정확도와 정밀도, 재현율은 몇일까?

Yes(음치)		Predicted	
		No	Yes
Actual	No	TN	FP
	Yes	FN	TP