

5		SALMON	SEA BASS	400	TOTAL
TRUE LABER	SALMON	26	2	2	30
	SEA	2	38		40
	Cop	2	3	75	80
					150

Foir Each class, we can compate a bineny confixion metrix (2x2) PREDICTED LABELS NOT -SALMON SALMON (<del>-</del>) (+)Thue Positives (TP) FALSE NEGATIVE SALMON (FN) 26 (+) 4 FALSE POSITIVES TRUE NEGATIVES (m) (FP) 116

FPR = FALSE POSITIVE PARE

2 TPR = TRUE POSITIVE RATE

TPR

- ideal ROC

Cureve

- random

ROC

Cureve

(Coin plip)

- Average

NOC

AMER UNDER THE CURVE (AUC)

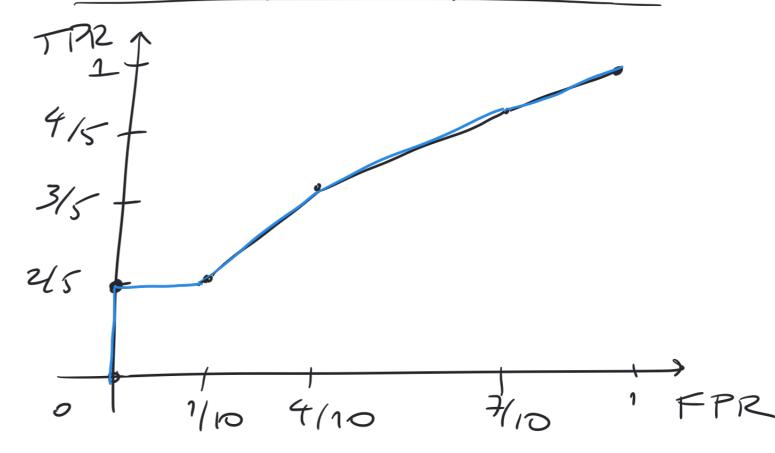
· For random: AUC = }

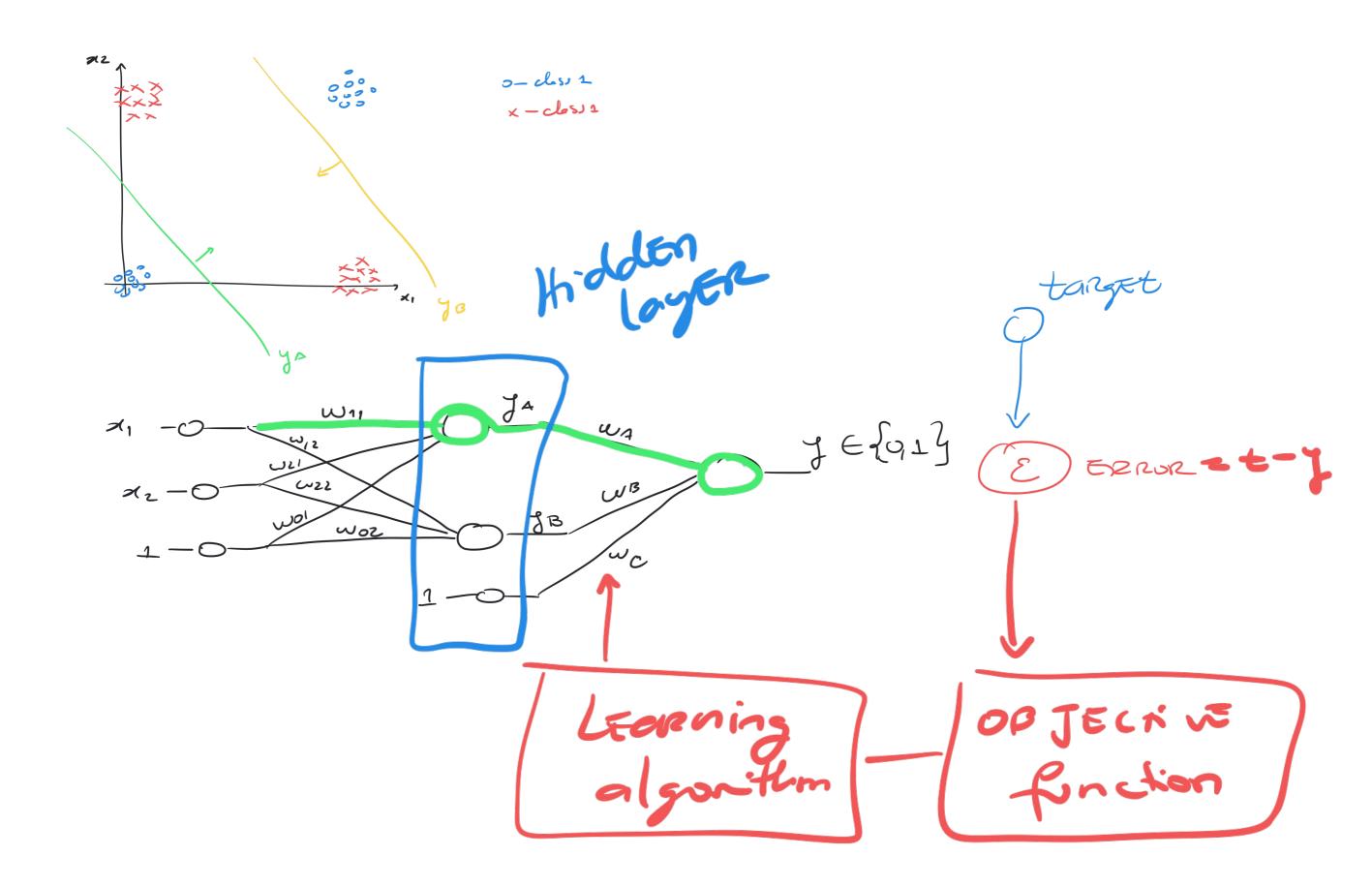
10%

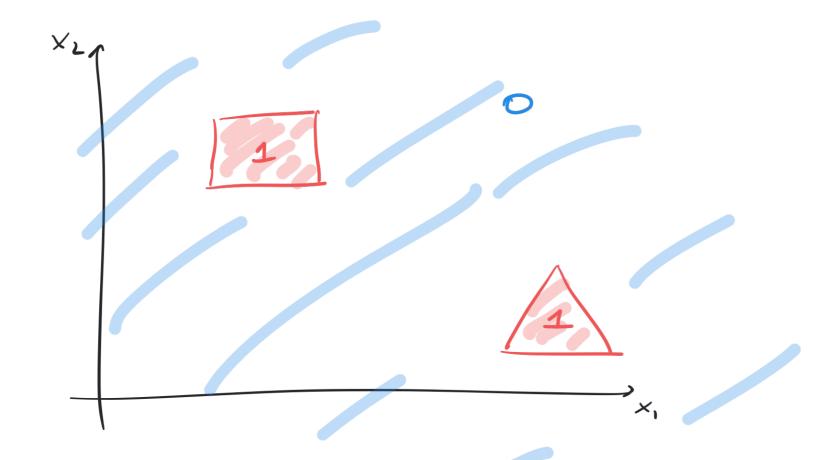
- · For ideal: AUC = 1
- · For typical:  $\frac{1}{2} \leq AUC \leq I$

	Confiction ce	Ground	PINEDI COIO
	0.91	T	7
	0.5	_	T
	0.8		
	0.79		
	0.77		
	0.75		
	0.5		
	0.4	T	
	0.39		
•	0.38		
J	0.37		
	0.27		
	0.10		
	0.09	T 1	
	0.01		
		_	

THRESHOLD	TPR	FPR
70.5	3/5	4/10
0.8	2/5	1/10
0.3	4/5	7/10
0.5	2/5	0/10 = 0
0	5/5=1	10/10=1







DRAW the MLP for the dissification tesk.

Thow many units in the input layer?

Thow many units in the hidden layer?

Thow many units in the output layer?