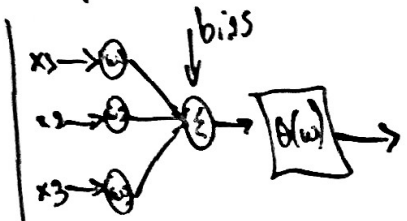
Perceptron

Regiões linearmente separáveis

P: $\begin{cases} 1 \text{ se } Ax+By > C \\ 0 \text{ se } Ax+By < C \end{cases}$

- reta $Ax+By+C=0$ (regiões no plano)



Pesos, bias, Função de ativação

atualizar com base no erro: Backpropagation

Operadores lógicos:

- NAND:

A	B	S
0	0	1
0	1	1
1	0	1
1	1	0

	1	0
1	1	0
0	1	1
	0	1

- AND:

A	B	S
F	F	F
F	V	F
V	F	F
V	V	V

	1	0
1	0	1
0	0	0
	0	1

- OR:

A	B	S
F	F	V
F	V	F
V	F	F
V	V	F

	1	0
1	0	0
0	1	0
	0	1

- XOR:

A	B	S
V	V	F
V	F	V
F	V	V
F	F	F

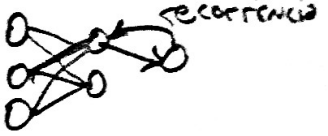
	1	0
1	1	0
0	0	1
	0	1

CNN - Convolucionais

Imagens com pilhas RGB.

R	G	B
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

Redes Recorrentes:



p/ sequências: abcdefg
abdbeefg abbeefh

utiliza N-1 para N