

Our perceptron output y=1. If we are training, then we know either of d=0 or d=1.

If d=1, or perception is correct: don't change anything! . If d=0, our perception is virong: update the neights.
Ly Our output is too HIGH. Or for all features W; (W;+h(d-9)x: for i=0,12,...,m

$$W_0 = 1.1 \text{ (bias)} \ z_0 = 1.$$
 $W_1 = 0.2$ 
 $W_2 = 0.3$ 
 $W_3 = -0.4$ 
 $W_1 = 0.3$ 
 $W_2 = 0.3$ 
 $W_3 = 0.3$ 
 $W_3 = 0.3$ 
 $W_4 = 0.3$ 
 $W_5 = 0.3$ 
 $W_7 = 0.3$ 
 $W_8 = 0.3$ 

$$W_0 = 1.|+|(0-1)+|=|.|+-|+|=|.|-|=0.1$$

$$W_1 = 0.2 - |+0.2 = 0$$

$$W_2 = 0.3 - |+0.7 = 1.0$$

$$W_3 = -0.4 - |+0-0.5 = 0.1$$

$$What is ar now or part?$$

$$Z = 0.|+|0-0.7 - 0.5$$

$$= 0.1+0-0.7-0.5$$

$$= -1.1$$

$$Y = 4(z) = 4(-11) = 0$$

$$= 7(0000) classification!$$