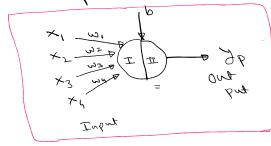
14 December 2023 21:54

Dece Carring Day-2

\* Nouron

Perceptron)

weight, bias -> External & it is a two stage algorithm



Stage I & Symption gunh (Z)

Stage II - Activation sun (Signoid)

This whole groces called as perceptron and genceptron of soll act as a person of the person of t

is possible es form is

- of is used to odd Donkinsarity.

9 = wx + c



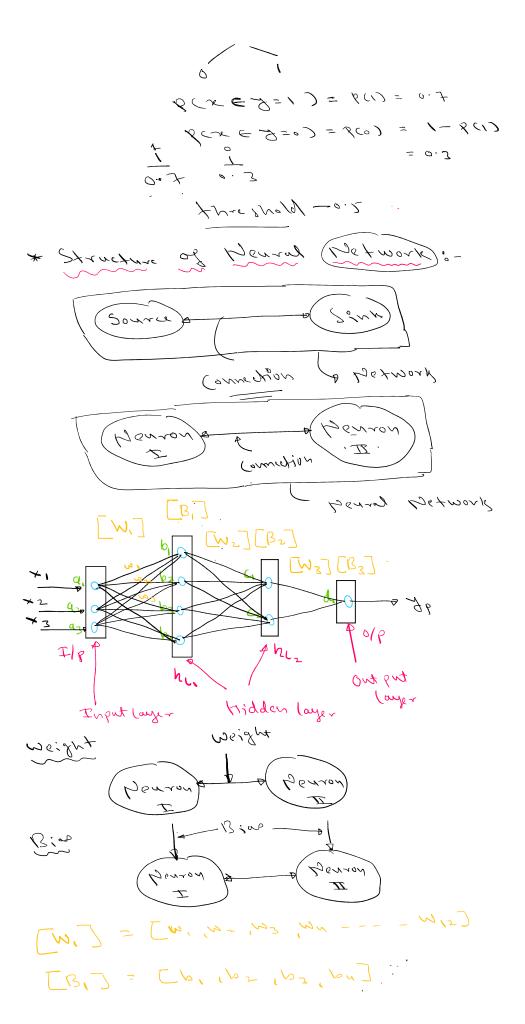
o (8) = 1+e-y

-> Signoid convert continous values into probability distribution.

- fond - o to I

- 1 Namp gire probabilistie rolle.

Class



\* Input larger - It hold the input and good than to hidden larger.

\* higger farter - Done of the brockship/learning

\* Out by John - It should for out both

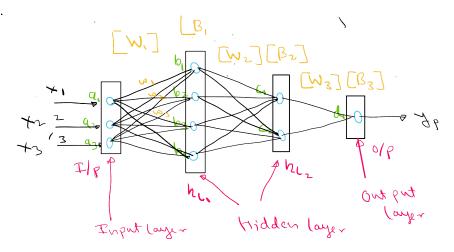
\* In by later - sworld pe are

Menny Detwork Detwork

\* Higger John Dore on hore than one

\* Ont by Jake - Sveryg pe on

\* How data glow in Degral Detwork



+ 100 of Bennon in = 120 of july Eapares

\* 20 of Pornor in = decided by the

\* 20 of early out ration from and

No of early.

Case & to let say we are dealing with binary classification and in our out gut larger

classification and in our out but lanks.

Re race Eithoig artiration bus,

. 20 02 / 20 mg - 000 - 000 .

\* Case II - P lets. Song we are dealing with nuticlass classification and in our output larger we have soft nax as a activation gention. and po. of event is s.

60 of Derson in = 2

\* (ase III — to let's sort we are dealing with regression probler and in our out get larger we are rely as a activation.

eno = tro sisons

\* No of Govern in = Not Sixed

(cound fruit our drund brief brief)

lader

for petween 3 to 12

Start Detween 3 to 12

[,W.]  $[W_2][\beta_2]$  $[W_3][B_3]$ tug tuo (ayer Input layer Hidden layer

Shape of Front = (1,3) Stage I Surpe of Kidden = (1,4) & Stagett Snape of Hidden = (1,2) (112)) Stage III Sna de ad ong by = (1'1) Londer

How to control Shape of Jongers in Tourn No twork

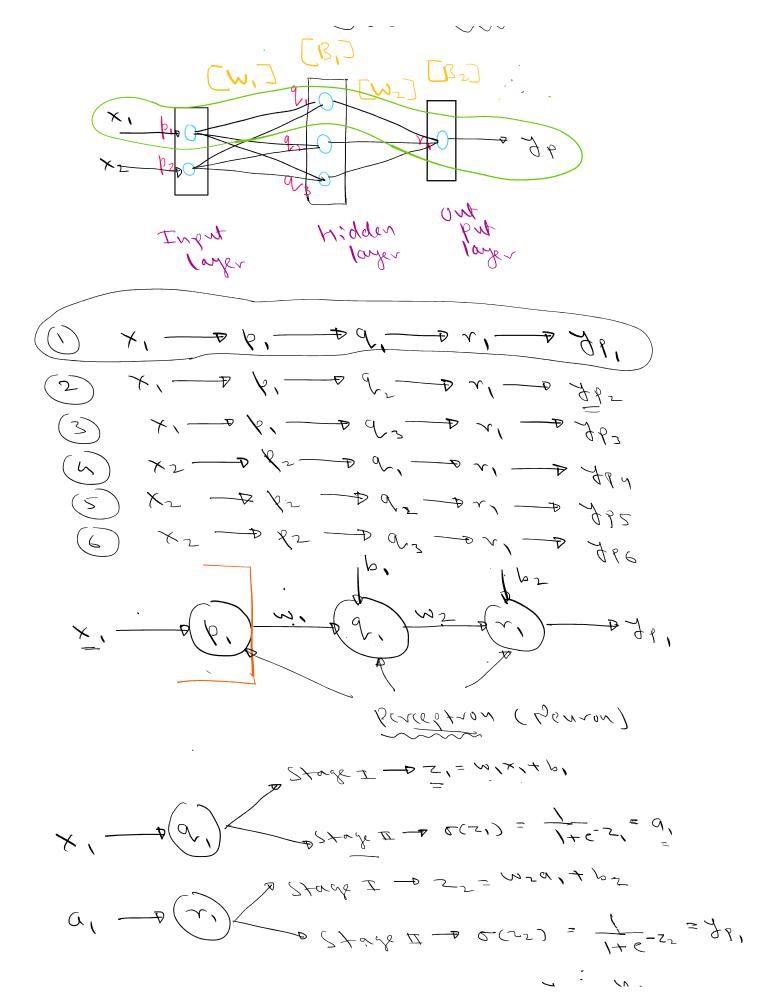
- (ct's Conziger m' (msight hotix)

ms Start Read 3 Gomon and

we end with 4 yearson

w, 4 0, - 2 12 neights.

Svage of W, = (4,3)



New Section 3 Page

Ja Sp, (08) (C') = 2d-4b'

5 = 2 (M) x , (P)

Best value of w and b ( Gradient Decent

mun = mory - or gr

brin = pold - or gr

Inear Regression

7 = (W) +(c)

Box rome of warre

when = word - or gr

Cres = cold - or  $\frac{4c}{9c}$ 

Gradient Decent algorithm

VI, TO PIN TO TRE

~~~ ((L), (L2) L3, L4, L5, L6.)

New Section 3 Page 9