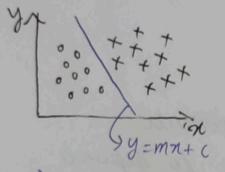
Activation Function

WHAT? => in NN, activation func' of node defines the output of that node given an input ou set of input

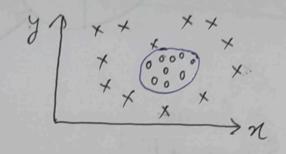
USE = In every NN during forward peropagation.

* Linealy Seperable



=) 2 classes can be Seperated by a Str. line

Linearly Unseperable



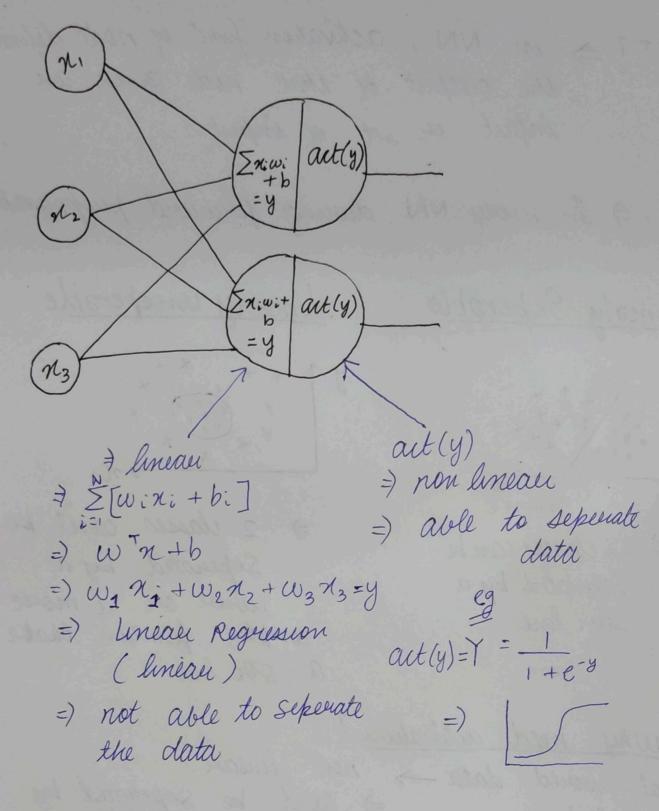
=> 2 classes cant be Seperated by a cuowl ou a more complen function that a str. line

* why need activation?

non -lineau Real would data -=) can't be seperated by Ster line 0,000 + 000

=) unearly unseperable

=) more complex junc's needed to be able to predict / classify the data we are working with.



Types of activation function

O Sigmoid 2 Tanh 3 Rel V & Leaky Rel U

FRELU 6 ELU 7 Softmax 8 Swish

Maxout 10 Softplus 100 11 Mish 12 GLU