## Agenda Flow of Jata in Neural Network Training intuition in Neural Network Activation function intoition Component of Neural Network

## Camponent of Merral Metwork

Input layer

Hidden layer

output layer

Back propogation

Baten Hormalization

Forward Pass

weight

Neurons

low Function

Learning reate

Epoch G Iteration

Hyper parameter

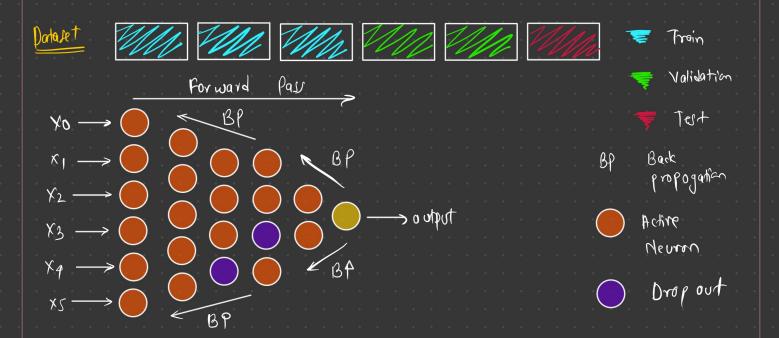
Btas

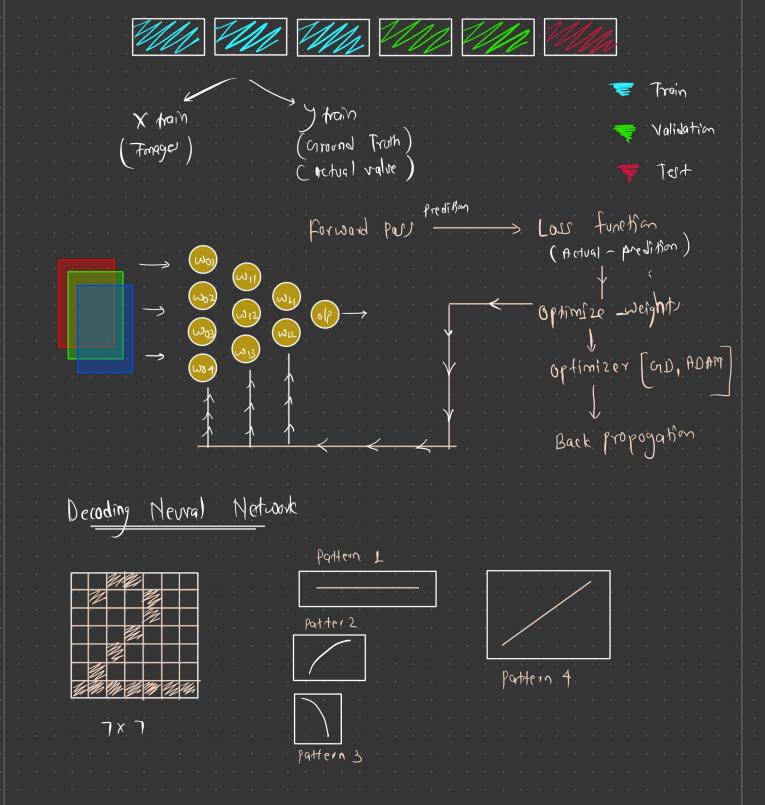
Activation function

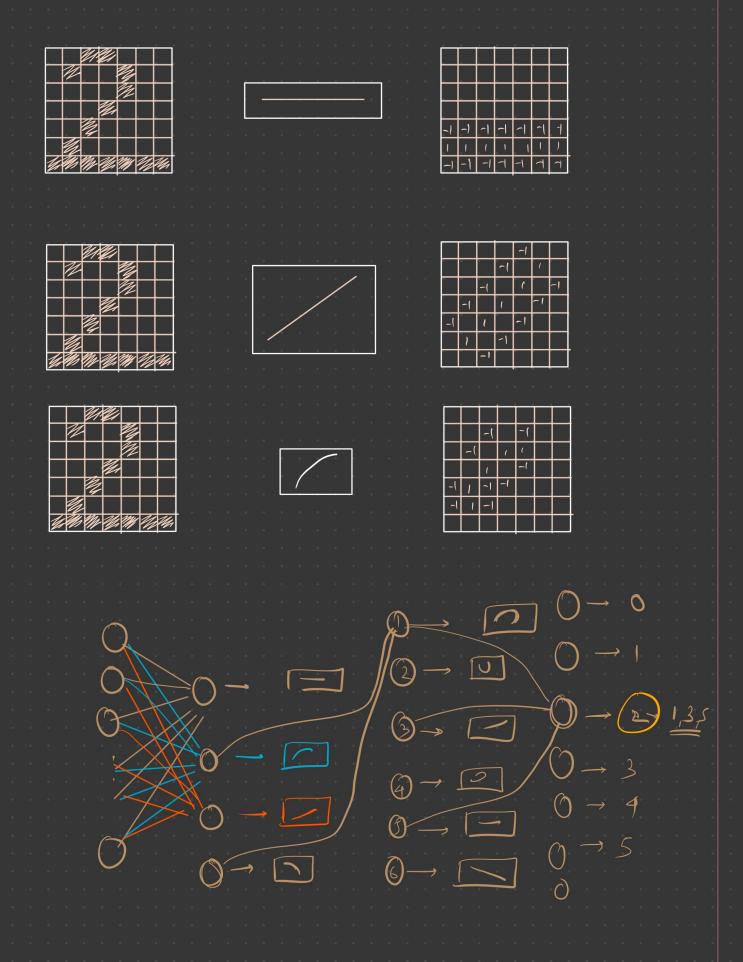
Optimizer

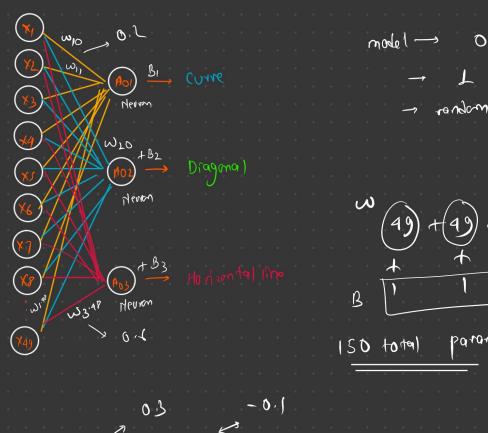
Droport

Batches





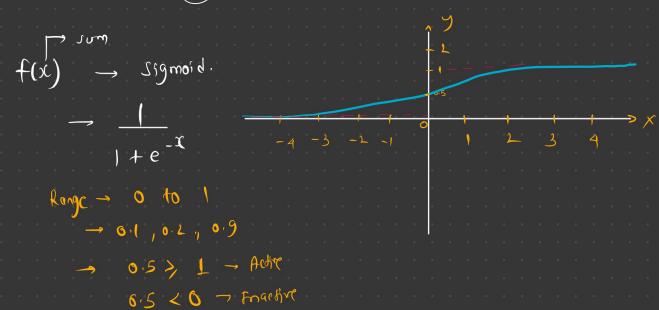




Cove = 
$$X_1 \cdot w_{10} + X_2 \cdot w_{11} + X_3 \cdot w_{12} + X_4 \cdot w_{13} - ... \times 49 \cdot w_{1.48} + B$$
= sum tre or -re
= 2

Diagonal = X1. W20 + X2. W21 + X3. W22 + ... X49.W2.48 + B2

Honzontal line - X1 (530)+ X2 W31+ K3 W32+ ... X49, W3 .48+B3

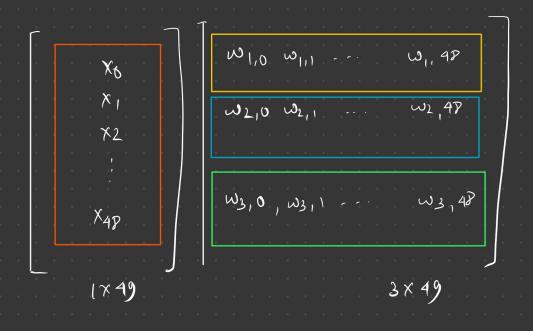


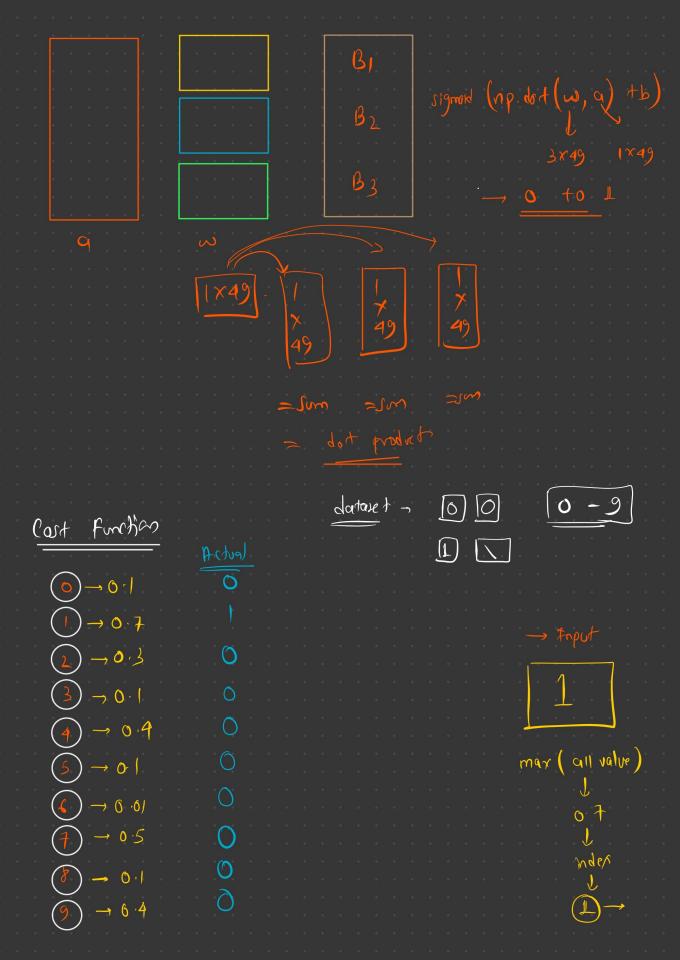
So echivation barically is how the the weighted sum is.

But it not always that went the neuron to be active when weighted sum >0 - 0.5> - Active

Then we need to add bigs: -15

so weight is responsible for pixel patter a particular neuron is picking, & bias tells you the sum of weights need to be before the neuron start to getting meanfully active.





Softmax - 0,113,9 Cost 
Sigmoid - Livery o

clasticity 1

low function - MSE

cost - Total low accross

my data

$$(0.7-0)^{2} + (0.7-1)^{2} + (0.3-0)^{2} + (0.1-0)^{2} + (0.1-0)^{2} + (0.1-0)^{2} + (0.5-0)^{2} + (0.5-0)^{2} + (0.4-0)^{2} +$$