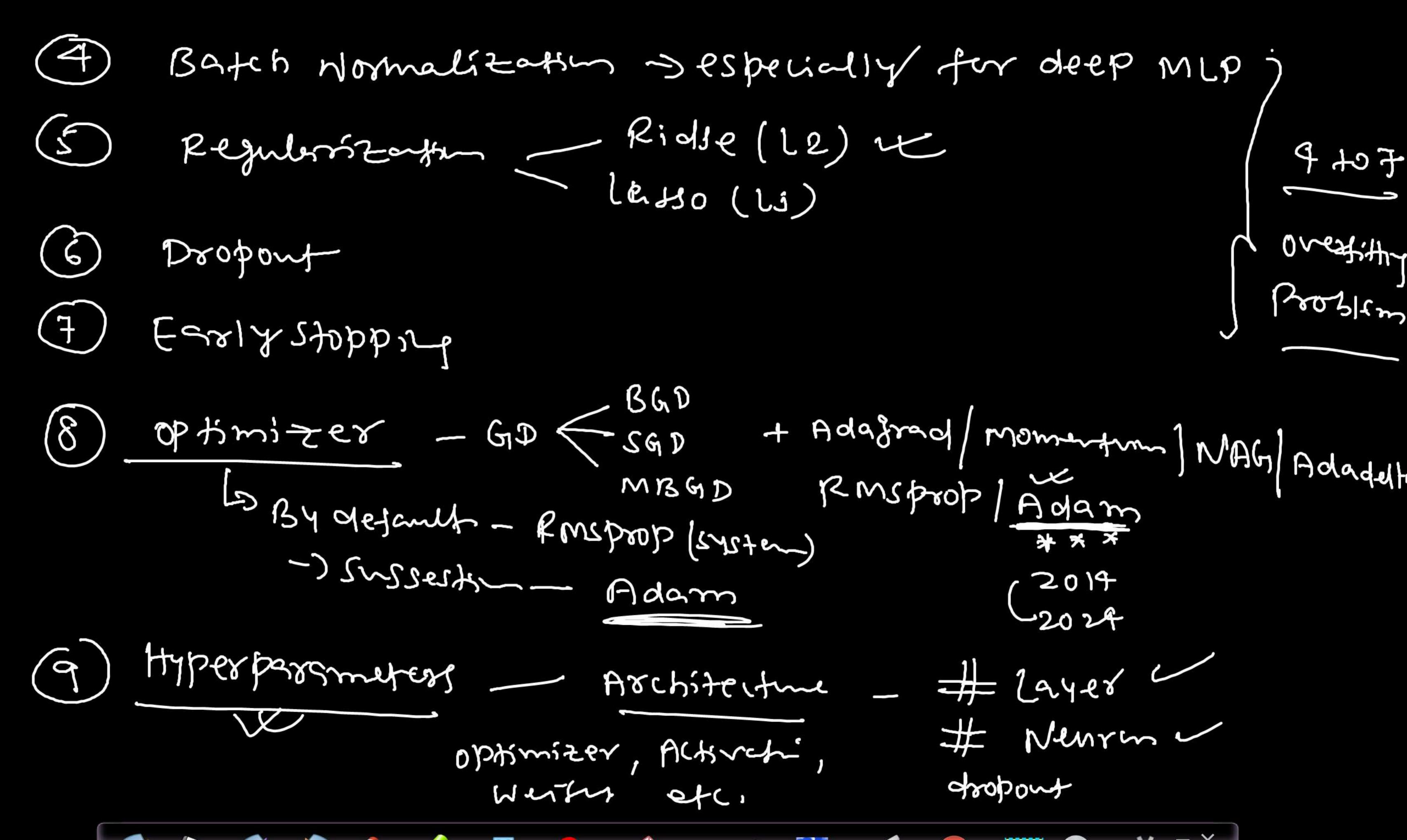
- (1) pre-process -> Data Normalitation (Feature Scaling)
- weight inst Xavier/Gloret inst -> Sigmoid Tomb Ly He-inst -> Reln & Leaky Reln Signmy - (Small of)
- Choose Right Activation function
 - 1) Hidden Layer Rely or Legky Rely
 - 2) output Regressim -> linear La classification < Binessy - Sigmoid Muchich. Cretimer

Seyn - 2017 to popul lijce Rein



(16) LOSS Fructin

2 class classification

X- class

N

Lymnes class

= Categors ced (ross entropy

Sporse Caternica Crossum.

Refressin - senare Loss Function (mean Absolution)

MSE/RMSE.

(11) Always monistre your gradient - LUB, acc, val-loss, vale

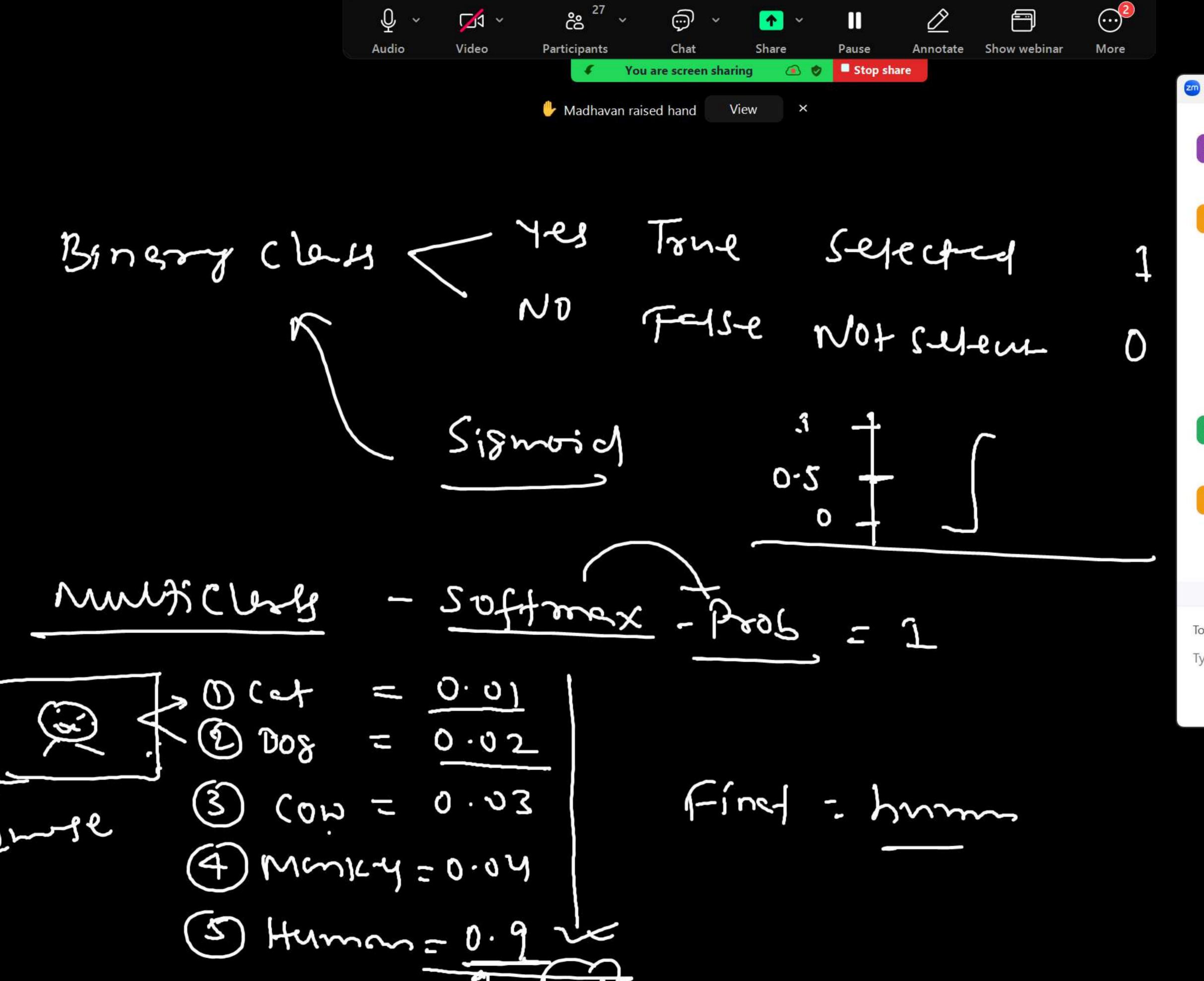
(12) Plots (ors Trans)

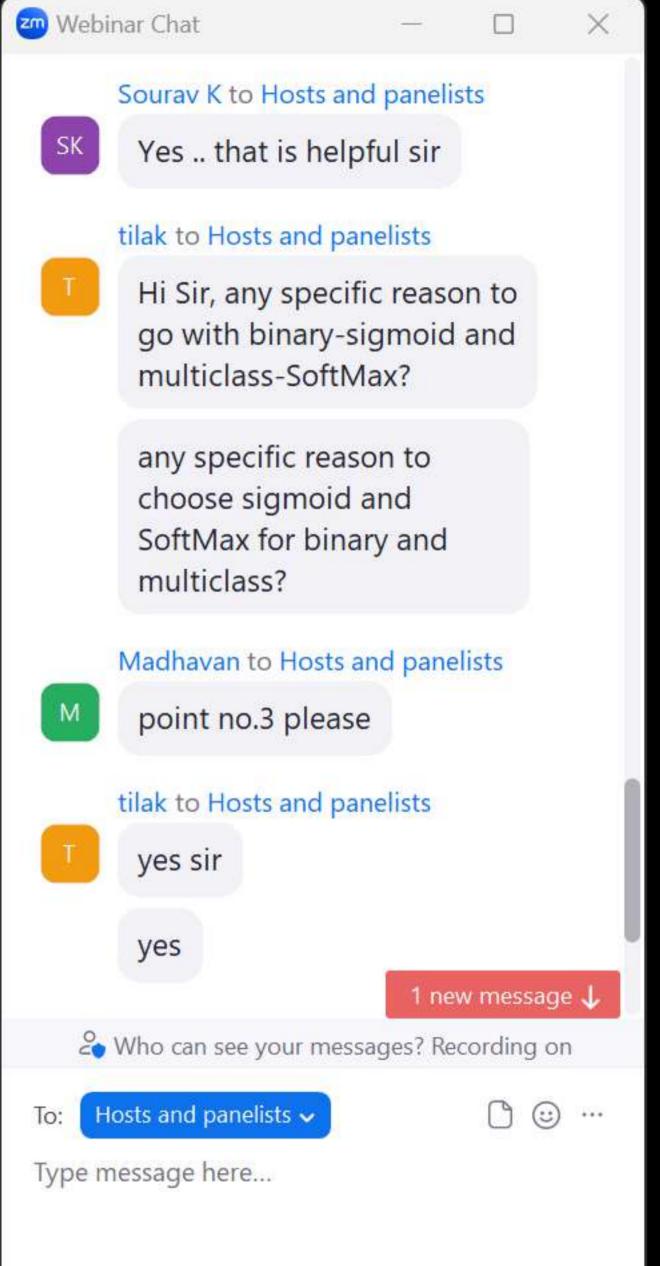
Accur

Please NoTE: in MLP/DNN/ANN - avoid overtithy

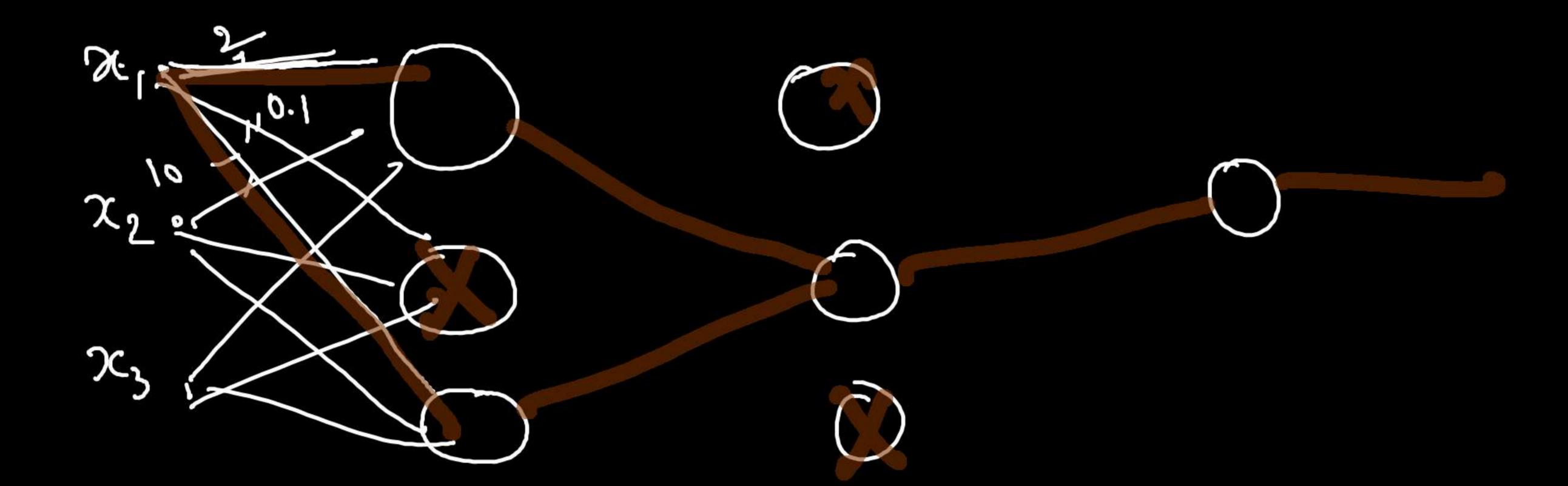
Problem by he help of

Posot no - 4 to 8 & & &



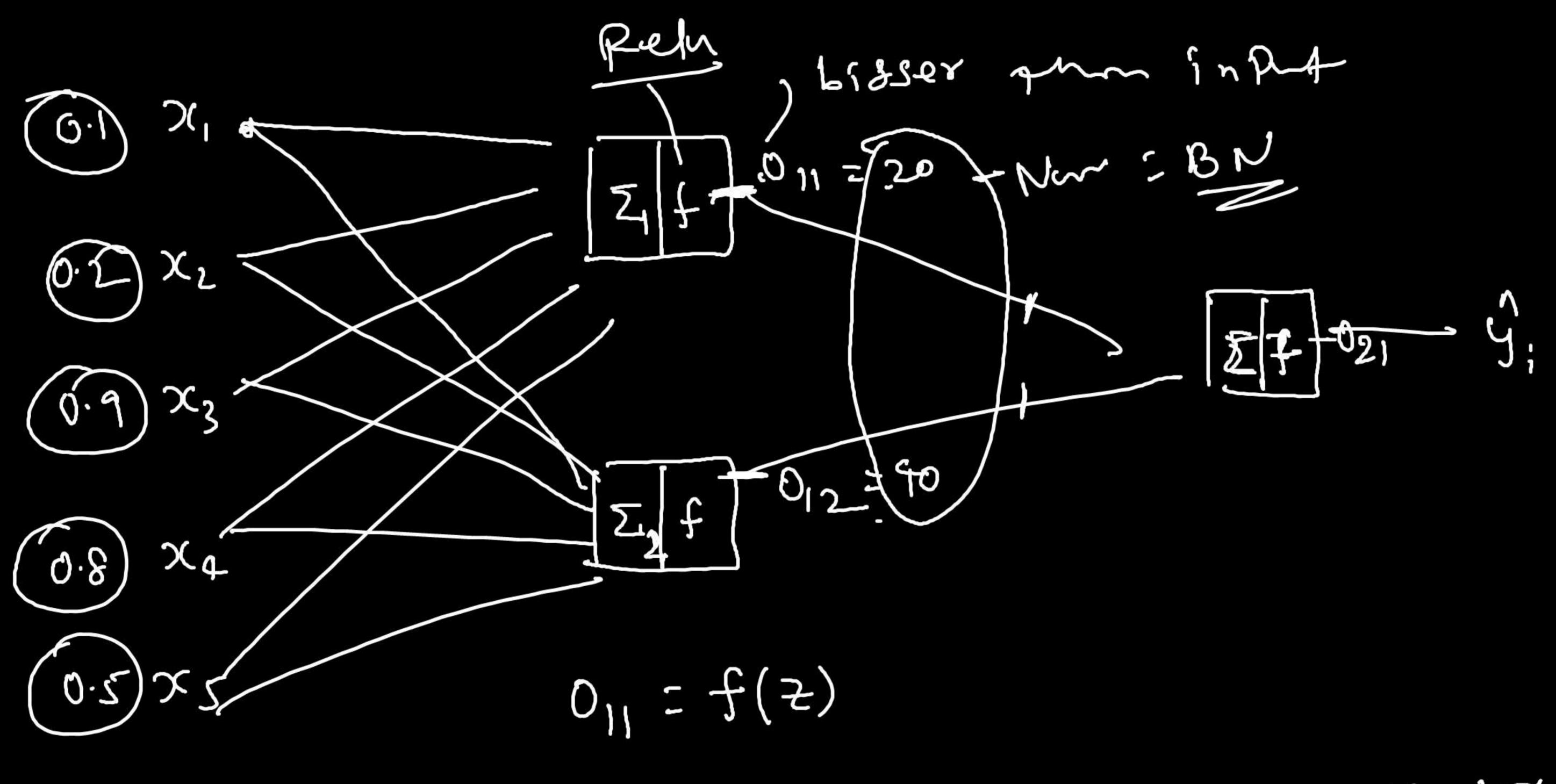


■ Stop share Boln: seemy (0'sr) 0031 (20C) **分り21** වල 11 2037 Normer 19. 10.3 0.5 0.00006 x_2 219 men = 20 wer - no-w * gr Problem Statems (1) Regressin - Numu. Hidden として Lineer Input いからナ Lay 18 Vanishord Earbloder 9205 d Gradenst Br

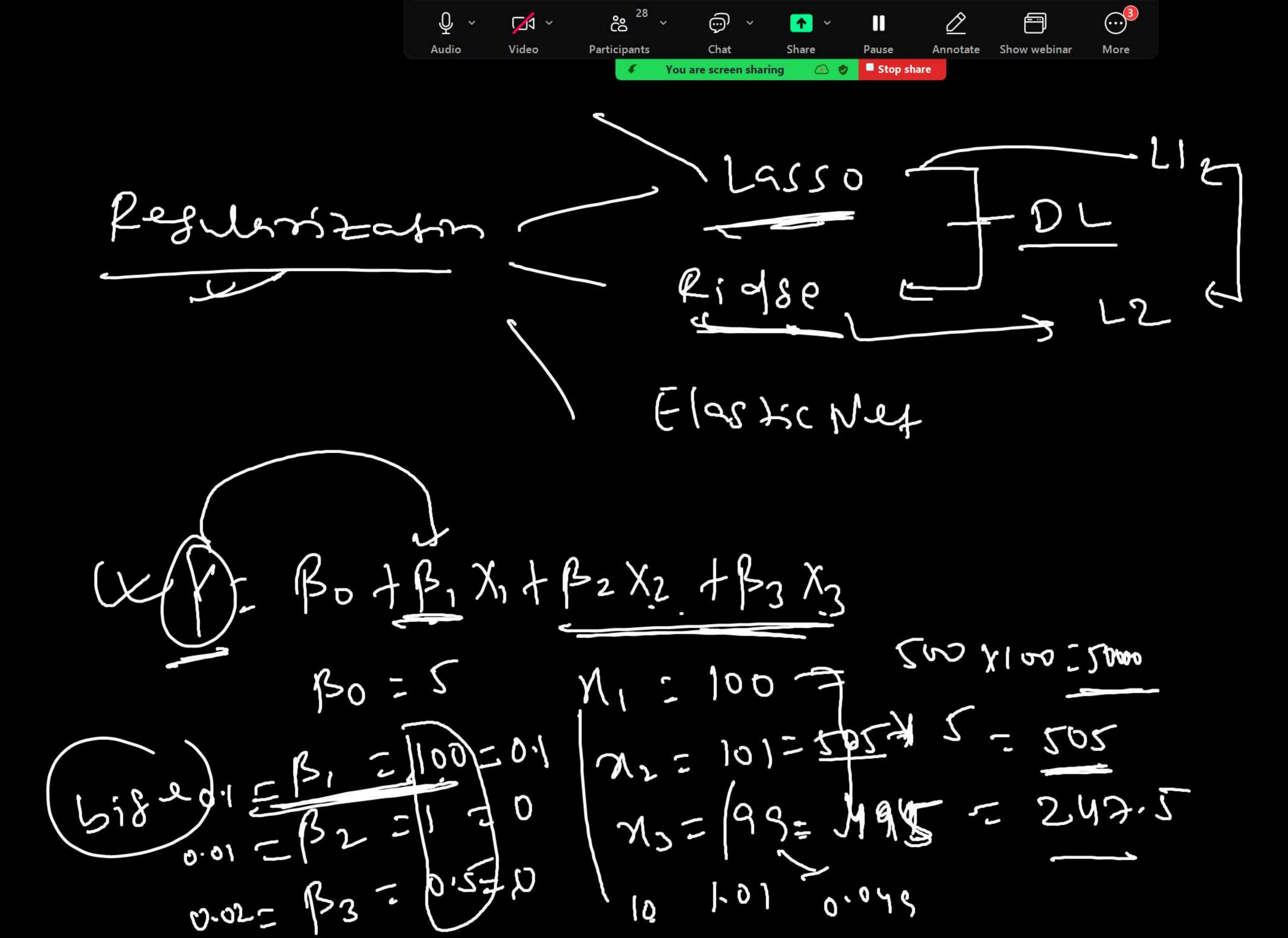


Regular W, W2 W3.
Reducing the

Closure to Zero Midde Masso = enget w close to Zero



$$z = \sum_{i=1}^{\infty} x_i v_i$$
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 $z_i = \sum_{i=1}^{\infty} x_i v_i$ $z_i = \sum_{i=1}^{\infty} x_i v_i + x_2 v_2 + x_3 v_3 + x_4 v_4 + x_5 v_5$



Somesh Bhat +1 other raised hands 3 Mitish Ssyrastaner Torento unsurran expendy simple g HIODO - Fasher of Moder > 2006 - Backpropagethe eje g ant CNN -10 40 301. Randon Forest 2NN-301501. 10 40 50 -/-DIV 251. 50-1. Meknin Pytorch-LLM

Stop share Talking: AH-entim My Man heed do Transformer - 2017 Know Chat GaPT GIPT THOUS Millian Muserhuri Mockeri Git Githus DVG Life Cyclin Pibr

(0 hrs

SCaprs vectors matrices to higher dimensi-2D Tensor vector metrox 3D Fensor 1 fow vect Single Two dimension array of scen 1 column vech one or more colff rows A = [0 0]

Add of Suppraction matrix

Stop share

multiplication matrix

$$\begin{bmatrix} 1 & 4 \\ 2 & 5 \\ 3 & 6 \end{bmatrix} * 2 = \begin{bmatrix} 1*2 & 4*2 \\ 2*2 & 5*2 \end{bmatrix} \begin{bmatrix} 2 & 8 \\ 4 & 10 \\ 6*2 \end{bmatrix} \begin{bmatrix} 3 \times 2 \\ 6 \times 2 \end{bmatrix} \begin{bmatrix} 6 \times 2 \\ 3 \times 2 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} \begin{pmatrix} 1 & 2 \\ 3 & 4 \\ 5 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 5 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 5 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 2 & 4 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 2 & 4 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 2 & 4 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 2 & 4 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 2 & 4 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 2 & 4 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 2 & 4 & 6 \end{bmatrix} = \begin{bmatrix} 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} = \begin{bmatrix} 2 &$$

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