NN cont .. Gradient Drunk

- Lost parts where NN in active but it was froited how doir NN train: we wir an algorithm Pla taker alob of images of numbers with there observes and tweets thoose 130.2 paramets so that give a new unseen image, , t a number it can predict it.

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- generally in NN we are trying to minimize the error it trying to minimize a cost function

October 15 P.
Oc 2iffirmer

2 This NN's parameters one routines so to train the me define a cost function a way of telling how wrong our saturations:

. What we do is add up the squares of of differences between each of the bod random outputs

and the output me went, we know 3: \[(0.41-0.0)^2 \frac{2}{2} = 3.37

it since deta is labeled

(0.20-1)^2 (0.52-0.0)^2

(0.20-1)^2 (0.52-0.0)

. This sam is small where the Nemsik classifiers imy correctly and large if it dosent

· so take any cost of all traing dates cost and show her good or bod ow productions on

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cost function: inprt: 13002 (round) NN inprt: 784 + ripr: 2 ((051) (ACAMS: 131.2 parameters : all fraing

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