

LeNet Tutorial

Subject: AI61002 - DLFA

Section A: Play with hyperparameters

1. Fix the learning rate(0.001) and change the epochs (10,25,50, and 75) and plot and see how your loss is changing.
2. Fix the Epoch(25) and change the learning rate (0.01,0.0002, and 0.00001), and plot your loss graph.

Section B: Change loss function:

1. Binary cross Entropy loss [Fix epoch (25) and learning rate (0.001)]
2. MSE loss [Fix epoch (25) and learning rate (0.001)]

Section C: Change the optimizer:

1. SGD
2. ADAM

Guidelines :

- You have to create only one jupyter notebook file and run these experiments.
- If you have any doubt you can ask to TA by writing a message in the chatbox.