4_Optimizers_in_NN

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We have studied different types of optimizers in the class :-

1. Gradient Descent
2. Stochastic Gradient Descent
3. Mini-batch Gradient Descent
4. Momentum-based Gradient Descent
5. Ada Grad
6. Adam

① Your task is to apply all these types of optimizers in the code of LAB-3.

② Analyze the variation in performance with the change in parameters in these optimizers.

Eg:- lr in SGD

lr, momentum in SGD

[var1, var2] in Adam

③ Plot the graph showing these variations

You can also use "wandb" for this analysis.

Reference :- torch.optim library in Pytorch.

https://pytorch.org/docs/stable/optim.html