From group 8 Ken Ohashi (Nagoya Univ.)

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Most of us are beginner of Machine learning....

We spent most of time to follow the tutorial notebooks. We focused on the project A and follow the notebook "Introduction05-ParticleImageClassifier.ipynb".

I did step 1 and 2 of the project A, then I got a loss curve...

Setup:

dataset: /sdf/group/neutrino/kterao/data/kmi2020/image_classification/train.h5

70,000 steps using 90% of training sample,

Using batch normalization

(same as in Introduction05-ParticleImageClassifier-Solution.ipynb)

Project A, step 2:



The number of iterations

I got a question for this plot. Why there are many peaks in the loss curve??

One of us answered to my question:

"I see that when loss have peak, weight parameters make a big change. So, I guess learning rate of adam optimizer is big when loss curve have peak."



Project A, step 2:



The number of iterations

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So, I change the learning rate of Adam optimizer and run again in this morning.



Project A, step 2:



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