

Coding Competition

Rules:

- Change your seats randomly
- Form a team with your neighbor
- Do not team up with your friends!

Let's have some programming fun!

*What is the best CNN performance on the
resized MNIST images?*

Details

- In the homework you have tried logistic regression on resized images (14 x 14)
- Do you want to try CNN on such resized image?
- Let's see what is the best performance we can get
 - In 30 minutes
 - After one class

Resources

- You should know how to resize your images from HW1.
- A copy of the 14x14 images are at http://researcher.watson.ibm.com/researcher/files/us-liangliang.cao/mnist_14x14.pkl.gz

(note I only do sampling without image smoothing)

- You may modify the experiments from <http://deeplearning.net/tutorial/lenet.html>

but note that the number of pooling layer, the dimensions of the pooling layer, and the learning ratio would be different.