

ML2023Spring HW8 Bonus Report

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Public Score	Private Score
0.87841	0.87848

The methods I used to pass the boss baselines include:

1. Apply crop in transform to crop the image.
 - a. I use three different crop value as follows.
 - i. `transforms.Lambda(lambda x: crop(x,16,16,28,32))`
 - ii. `transforms.Lambda(lambda x: crop(x,10,12,40,44))`
 - iii. `transforms.Lambda(lambda x: crop(x,12,14,36,40))`
2. Select fcn model and add BatchNorm1d to model architecture.
3. Select Regnet to be encoder and fcn to be decoder.
4. Ensemble multiple models via aforementioned crop method and different model.

Ref:

https://pytorch.org/vision/main/models/generated/torchvision.models.regnet_y_16gf.html#torchvision.models.regnet_y_16gf

You can reference my work in here: https://github.com/ianyang66/NTU_ML_2023_Spring

(Your report should be written in English or Chinese. Do not exceed 500 words describing your methods.)