PyTorch Week 2

LeNet-5 with MNIST

Request

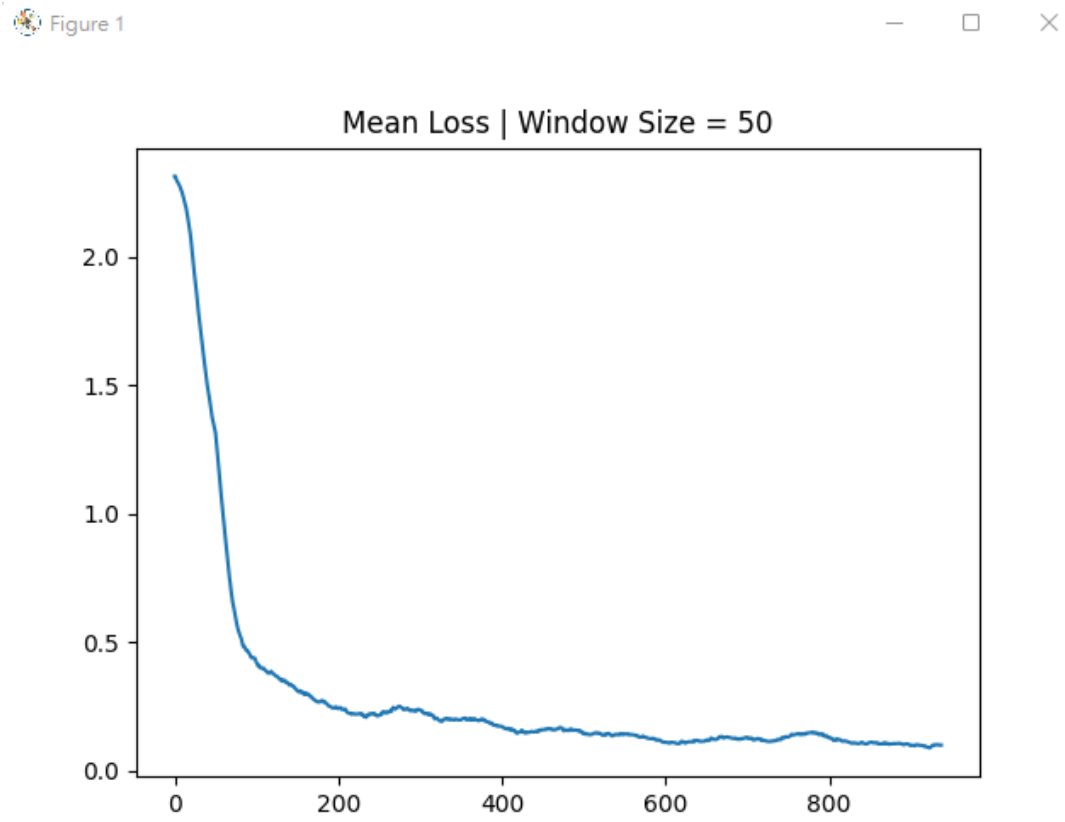
1. Create neural network : LeNet-5 with PyTorch API.
2. Training the NN with MNIST Dataset.
3. Testing your training result.

Submit your python code before 8/8.

Result

As the following picture, my batch size is 64 and the final accuracy is 96.84% on the testing set.

```
training...
Batch : 0/60000 | Loss : 2.3140
Batch : 6400/60000 | Loss : 0.1974
Batch : 12800/60000 | Loss : 0.1680
Batch : 19200/60000 | Loss : 0.1654
Batch : 25600/60000 | Loss : 0.1731
Batch : 32000/60000 | Loss : 0.1764
Batch : 38400/60000 | Loss : 0.1775
Batch : 44800/60000 | Loss : 0.0712
Batch : 51200/60000 | Loss : 0.0682
Batch : 57600/60000 | Loss : 0.0491
(testing...)
Acc : 96.84%
```



Some Hints

- Following the reference to build your project.

- Plotting the loss to verify your network convergence correctly.

Reference :

- https://pytorch.org/tutorials/beginner/basics/intro.html
- https://reurl.cc/KQjW6n(LeNet-5)