

인공지능개론 과제 #2 재제출

202104264 윤혜주

202204167 황신영

- mnist.py에서 fashion data 로드 확인

```
D:\python\python.exe D:\2024-1\인공지능개론\deep-learning-from-scratch-master\ch07\dataset\mnist.py
Converting train-images-idx3-ubyte.gz to NumPy Array ...
Done
Converting train-labels-idx1-ubyte.gz to NumPy Array ...
Done
Converting t10k-images-idx3-ubyte.gz to NumPy Array ...
Done
Converting t10k-labels-idx1-ubyte.gz to NumPy Array ...
Done
Creating pickle file ...
Done!
Process finished with exit code 0
```

- epoch = 30으로 설정하였고, 마지막 epoch에서 훈련 정확도 98.6%, 테스트 정확도 90%가 나왔습니다 (Adam 사용 시의 결과)

```
train loss:0.017504385123719376
train loss:0.0069418994123248215
=== epoch:30, train acc:0.986, test acc:0.9 ===
train loss:0.013058178129335477
train loss:0.008978102329159453
train loss:0.03360224863031208
```

- 최종 테스트 정확도 출력 로그

```
===== Final Test Accuracy =====
test acc:0.9034
Saved Network Parameters!
Process finished with exit code 0
```

- 그래프 출력

