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C:\Users\Wade\Anaconda3\envs\rosetta_GNN\python.exe F:/
volume/paper_code/TA-GNN/pytorch_code/main.py
Namespace(batchSize=50, dataset='diginetica', epoch=30,
hiddenSize=100, l2=1e-05, lr=0.001, lr_dc=0.1,
lr_dc_step=3, nonhybrid=False, patience=10, step=1,
valid_portion=0.1, validation=False)
C:\Users\Wade\Anaconda3\envs\rosetta_GNN\lib\site-
packages\torch\optim\lr_scheduler.py:123: UserWarning:
Detected call of `lr_scheduler.step()` before `optimizer
.step()`. In PyTorch 1.1.0 and later, you should call
them in the opposite order: `optimizer.step()` before `
lr_scheduler.step()`. Failure to do this will result in
PyTorch skipping the first value of the learning rate
schedule. See more details at https://pytorch.org/docs/stable/optim.html#how-to-adjust-learning-rate
"https://pytorch.org/docs/stable/optim.html#how-to-
adjust-learning-rate", UserWarning)

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epoch: 0
start training: 2020-08-30 19:51:34.055954
[0/13331] Loss: 11.9193
[2667/13331] Loss: 7.5805
[5334/13331] Loss: 7.0251
[8001/13331] Loss: 5.9110
[10668/13331] Loss: 5.3541
Loss: 90963.055
start predicting: 2020-08-30 20:25:34.591760
Best Result:
Recall@20: 44.5454 MMR@20: 13.9841 Epoch: 0, 0

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epoch: 1
start training: 2020-08-30 20:26:15.575850
[0/13331] Loss: 4.9905
[2667/13331] Loss: 4.7766
[5334/13331] Loss: 5.0889
[8001/13331] Loss: 5.7566
[10668/13331] Loss: 6.0857

```

Loss: 71905.594
start predicting: 2020-08-30 21:01:58.723005
Best Result:
Recall@20: 46.2303 MMR@20: 14.9219 Epoch: 1, 1

epoch: 2
start training: 2020-08-30 21:02:39.151429
[0/13331] Loss: 4.9180
[2667/13331] Loss: 4.1591
[5334/13331] Loss: 4.7069
[8001/13331] Loss: 4.0014
[10668/13331] Loss: 4.1302
Loss: 59039.113
start predicting: 2020-08-30 21:35:37.792232
Best Result:
Recall@20: 50.1617 MMR@20: 17.2143 Epoch: 2, 2

epoch: 3
start training: 2020-08-30 21:36:16.822568
[0/13331] Loss: 3.6318
[2667/13331] Loss: 3.9200
[5334/13331] Loss: 4.3520
[8001/13331] Loss: 4.0692
[10668/13331] Loss: 3.9480
Loss: 55335.973
start predicting: 2020-08-30 22:08:58.130354
Best Result:
Recall@20: 50.1617 MMR@20: 17.2143 Epoch: 2, 2

epoch: 4
start training: 2020-08-30 22:09:36.615422
[0/13331] Loss: 3.8156