

Training results

Train gamenet with DDI number of parameters:

parameters 452434

vroom@deeplearning-1-vm:~/code\$ python train_GAMENet.py

parameters 452434

Train--Epoch: 0, Step: 4232/4233, L_p cnt: 5044, L_neg cnt: 5431

Eval--Epoch: 0, Step: 1058/1059 DDI Rate: 0.0996, Jaccard: 0.3579,

PRAUC: 0.6155, AVG_PRC: 0.6268, AVG_RECALL: 0.4702, AVG_F1: 0.5186

Epoch: 0, Loss: 0.1254, One Epoch Time: 1.90m, Appro Left Time: 1.24h

path__ saved/GAMENet/Epoch_0_JA_0.3579_DDI_0.0996.model

Train--Epoch: 1, Step: 4232/4233, L_p cnt: 5032, L_neg cnt: 5443

Eval--Epoch: 1, Step: 1058/1059 DDI Rate: 0.0411, Jaccard: 0.3606,

PRAUC: 0.6270, AVG_PRC: 0.6421, AVG_RECALL: 0.4662, AVG_F1: 0.5217

Epoch: 1, Loss: 0.1203, One Epoch Time: 1.86m, Appro Left Time: 1.18h

path__ saved/GAMENet/Epoch_1_JA_0.3606_DDI_0.0411.model

Train--Epoch: 2, Step: 4232/4233, L_p cnt: 6752, L_neg cnt: 3723

Eval--Epoch: 2, Step: 1058/1059 DDI Rate: 0.0503, Jaccard: 0.3732,

PRAUC: 0.6380, AVG_PRC: 0.6502, AVG_RECALL: 0.4800, AVG_F1: 0.5348

Epoch: 2, Loss: 0.1580, One Epoch Time: 1.85m, Appro Left Time: 1.14h

path__ saved/GAMENet/Epoch_2_JA_0.3732_DDI_0.0503.model

Train--Epoch: 3, Step: 4232/4233, L_p cnt: 6589, L_neg cnt: 3886

Eval--Epoch: 3, Step: 1058/1059 DDI Rate: 0.0469, Jaccard: 0.3920,

PRAUC: 0.6474, AVG_PRC: 0.6435, AVG_RECALL: 0.5087, AVG_F1: 0.5510

Epoch: 3, Loss: 0.1437, One Epoch Time: 1.85m, Appro Left Time: 1.11h

path__ saved/GAMENet/Epoch_3_JA_0.3920_DDI_0.0469.model

Train--Epoch: 4, Step: 4232/4233, L_p cnt: 6209, L_neg cnt: 4266

Eval--Epoch: 4, Step: 1058/1059 DDI Rate: 0.0557, Jaccard: 0.4050,

PRAUC: 0.6601, AVG_PRC: 0.6422, AVG_RECALL: 0.5309, AVG_F1: 0.5639

Epoch: 4, Loss: 0.1340, One Epoch Time: 1.84m, Appro Left Time: 1.07h

path__ saved/GAMENet/Epoch_4_JA_0.4050_DDI_0.0557.model

Train--Epoch: 5, Step: 4232/4233, L_p cnt: 5772, L_neg cnt: 4703

Eval--Epoch: 5, Step: 1058/1059 DDI Rate: 0.0539, Jaccard: 0.4099,
PRAUC: 0.6664, AVG_PRC: 0.6552, AVG_RECALL: 0.5308, AVG_F1: 0.5693
Epoch: 5, Loss: 0.1226, One Epoch Time: 1.83m, Appro Left Time: 1.04h
path__saved/GAMENet/Epoch_5_JA_0.4099_DDI_0.0539.model

Train--Epoch: 6, Step: 4232/4233, L_p cnt: 5968, L_neg cnt: 4507
Eval--Epoch: 6, Step: 1058/1059 DDI Rate: 0.0633, Jaccard: 0.4144,
PRAUC: 0.6711, AVG_PRC: 0.6618, AVG_RECALL: 0.5344, AVG_F1: 0.5740
Epoch: 6, Loss: 0.1252, One Epoch Time: 1.85m, Appro Left Time: 1.02h
path__saved/GAMENet/Epoch_6_JA_0.4144_DDI_0.0633.model

Train--Epoch: 7, Step: 4232/4233, L_p cnt: 6168, L_neg cnt: 4307
Eval--Epoch: 7, Step: 1058/1059 DDI Rate: 0.0697, Jaccard: 0.4153,
PRAUC: 0.6756, AVG_PRC: 0.6710, AVG_RECALL: 0.5301, AVG_F1: 0.5746
Epoch: 7, Loss: 0.1269, One Epoch Time: 1.84m, Appro Left Time: 0.98h
path__saved/GAMENet/Epoch_7_JA_0.4153_DDI_0.0697.model

Train--Epoch: 8, Step: 4232/4233, L_p cnt: 6355, L_neg cnt: 4120
Eval--Epoch: 8, Step: 1058/1059 DDI Rate: 0.0692, Jaccard: 0.4192,
PRAUC: 0.6789, AVG_PRC: 0.6721, AVG_RECALL: 0.5356, AVG_F1: 0.5784
Epoch: 8, Loss: 0.1289, One Epoch Time: 1.79m, Appro Left Time: 0.93h
path__saved/GAMENet/Epoch_8_JA_0.4192_DDI_0.0692.model

Train--Epoch: 9, Step: 4232/4233, L_p cnt: 6619, L_neg cnt: 3856
Eval--Epoch: 9, Step: 1058/1059 DDI Rate: 0.0700, Jaccard: 0.4258,
PRAUC: 0.6817, AVG_PRC: 0.6627, AVG_RECALL: 0.5525, AVG_F1: 0.5850
Epoch: 9, Loss: 0.1344, One Epoch Time: 1.80m, Appro Left Time: 0.90h
path__saved/GAMENet/Epoch_9_JA_0.4258_DDI_0.0700.model

Train--Epoch: 10, Step: 4232/4233, L_p cnt: 6878, L_neg cnt: 3597
Eval--Epoch: 10, Step: 1058/1059 DDI Rate: 0.0727, Jaccard: 0.4287,
PRAUC: 0.6829, AVG_PRC: 0.6632, AVG_RECALL: 0.5579, AVG_F1: 0.5884
Epoch: 10, Loss: 0.1385, One Epoch Time: 1.78m, Appro Left Time: 0.86h
path__saved/GAMENet/Epoch_10_JA_0.4287_DDI_0.0727.model

Train--Epoch: 11, Step: 4232/4233, L_p cnt: 7013, L_neg cnt: 3462

Eval--Epoch: 11, Step: 1058/1059 DDI Rate: 0.0758, Jaccard: 0.4322,
PRAUC: 0.6855, AVG_PRC: 0.6582, AVG_RECALL: 0.5680, AVG_F1: 0.5918
Epoch: 11, Loss: 0.1405, One Epoch Time: 1.81m, Appro Left Time: 0.85h
path__saved/GAMENet/Epoch_11_JA_0.4322_DDI_0.0758.model

Train--Epoch: 12, Step: 4232/4233, L_p cnt: 7340, L_neg cnt: 3135
Eval--Epoch: 12, Step: 1058/1059 DDI Rate: 0.0782, Jaccard: 0.4340,
PRAUC: 0.6879, AVG_PRC: 0.6599, AVG_RECALL: 0.5702, AVG_F1: 0.5934
Epoch: 12, Loss: 0.1462, One Epoch Time: 1.80m, Appro Left Time: 0.81h
path__saved/GAMENet/Epoch_12_JA_0.4340_DDI_0.0782.model

While running GAMENet training top command gives:

top - 02:59:02 up 2:28, 2 users, load average: 0.40, 0.17, 0.24
Tasks: **188** total, **15** running, **173** sleeping, **0** stopped, **0** zombie
%Cpu(s): **34.7** us, **2.8** sy, **0.0** ni, **59.0** id, **0.0** wa, **0.0** hi, **3.5** si, **0.0** st
MiB Mem : **26121.7** total, **22585.1** free, **1941.9** used, **1594.7** buff/cache
MiB Swap: **0.0** total, **0.0** free, **0.0** used. **23820.7** avail Me

`python train_LR.py`

DDI Rate: 0.0782, Jaccard: 0.4087, PRAUC: 0.6739, AVG_PRC: 0.6730,
AVG_RECALL: 0.5224, AVG_F1: 0.5669

avg med 11.370468611847922

`python baseline_near.py`

DDI Rate: 0.0791, Jaccard: 0.3911, PRAUC: 0.3805, AVG_PRC: 0.5786,
AVG_RECALL: 0.5705, AVG_F1: 0.5465

avg med 14.768272425249169

```
vroom@deeplearning-1-vm:~/code$ python ./baseline/train_Retain.py  
-parameters 289490
```

Train--Epoch: 0, Step: 4231/4233

Eval--Epoch: 0, Step: 1058/1059 DDI Rate: 0.0757, Jaccard: 0.3197,
PRAUC: 0.5432, AVG_PRC: 0.3921, AVG_RECALL: 0.6925, AVG_F1: 0.4737
avg med 25.935245901639345

Epoch: 0, Loss1: 1.1619, One Epoch Time: 0.55m, Appro Left Time: 0.36h

Train--Epoch: 1, Step: 4231/4233

Eval--Epoch: 1, Step: 1058/1059 DDI Rate: 0.0850, Jaccard: 0.3487,
PRAUC: 0.5956, AVG_PRC: 0.4275, AVG_RECALL: 0.6939, AVG_F1: 0.5068
avg med 23.757377049180327

Epoch: 1, Loss1: 0.6180, One Epoch Time: 0.56m, Appro Left Time: 0.35h

Train--Epoch: 2, Step: 4231/4233

Eval--Epoch: 2, Step: 1058/1059 DDI Rate: 0.0898, Jaccard: 0.3664,
PRAUC: 0.6155, AVG_PRC: 0.4540, AVG_RECALL: 0.6869, AVG_F1: 0.5259
avg med 22.048360655737707

Epoch: 2, Loss1: 0.4937, One Epoch Time: 0.55m, Appro Left Time: 0.34h

Train--Epoch: 3, Step: 4231/4233

Eval--Epoch: 3, Step: 1058/1059 DDI Rate: 0.0873, Jaccard: 0.3791,
PRAUC: 0.6278, AVG_PRC: 0.4983, AVG_RECALL: 0.6435, AVG_F1: 0.5398
avg med 18.81311475409836

Epoch: 3, Loss1: 0.4663, One Epoch Time: 0.55m, Appro Left Time: 0.33h

Train--Epoch: 4, Step: 4231/4233

Eval--Epoch: 4, Step: 1058/1059 DDI Rate: 0.0920, Jaccard: 0.3822,
PRAUC: 0.6320, AVG_PRC: 0.4932, AVG_RECALL: 0.6576, AVG_F1: 0.5429
avg med 19.851639344262296

Epoch: 4, Loss1: 0.4422, One Epoch Time: 0.54m, Appro Left Time: 0.31h

Train--Epoch: 5, Step: 4231/4233

Eval--Epoch: 5, Step: 1058/1059 DDI Rate: 0.0929, Jaccard: 0.3870,
PRAUC: 0.6350, AVG_PRC: 0.5100, AVG_RECALL: 0.6441, AVG_F1: 0.5482
avg med 18.551639344262295

Epoch: 5, Loss1: 0.4403, One Epoch Time: 0.54m, Appro Left Time: 0.31h

Train--Epoch: 6, Step: 4231/4233

Eval--Epoch: 6, Step: 1058/1059 DDI Rate: 0.0894, Jaccard: 0.3920,
PRAUC: 0.6401, AVG_PRC: 0.5164, AVG_RECALL: 0.6454, AVG_F1: 0.5533
avg med 18.518852459016394

Epoch: 6, Loss1: 0.4144, One Epoch Time: 0.54m, Appro Left Time: 0.30h

Train--Epoch: 7, Step: 4231/4233

Eval--Epoch: 7, Step: 1058/1059 DDI Rate: 0.0892, Jaccard: 0.3949,
PRAUC: 0.6433, AVG_PRC: 0.5355, AVG_RECALL: 0.6259, AVG_F1: 0.5567
avg med 16.975409836065573

Epoch: 7, Loss1: 0.4053, One Epoch Time: 0.55m, Appro Left Time: 0.29h

Train--Epoch: 8, Step: 4231/4233

Eval--Epoch: 8, Step: 1058/1059 DDI Rate: 0.0869, Jaccard: 0.3970,
PRAUC: 0.6452, AVG_PRC: 0.5427, AVG_RECALL: 0.6207, AVG_F1: 0.5588
avg med 16.60655737704918

Epoch: 8, Loss1: 0.4052, One Epoch Time: 0.55m, Appro Left Time: 0.28h

Train--Epoch: 9, Step: 4231/4233

Eval--Epoch: 9, Step: 1058/1059 DDI Rate: 0.0853, Jaccard: 0.3994,
PRAUC: 0.6474, AVG_PRC: 0.5404, AVG_RECALL: 0.6285, AVG_F1: 0.5611
avg med 17.02622950819672

Epoch: 9, Loss1: 0.3985, One Epoch Time: 0.54m, Appro Left Time: 0.27h

Train--Epoch: 10, Step: 4231/4233

Eval--Epoch: 10, Step: 1058/1059 DDI Rate: 0.0862, Jaccard: 0.4006,
PRAUC: 0.6481, AVG_PRC: 0.5494, AVG_RECALL: 0.6193, AVG_F1: 0.5624
avg med 16.42377049180328

Epoch: 10, Loss1: 0.3940, One Epoch Time: 0.54m, Appro Left Time:
0.26h

Train--Epoch: 11, Step: 4231/4233

Eval--Epoch: 11, Step: 1058/1059 DDI Rate: 0.0863, Jaccard: 0.4017,
PRAUC: 0.6498, AVG_PRC: 0.5444, AVG_RECALL: 0.6266, AVG_F1: 0.5633
avg med 16.818852459016394

Epoch: 11, Loss1: 0.3878, One Epoch Time: 0.54m, Appro Left Time:
0.25h

Train--Epoch: 12, Step: 4231/4233

Eval--Epoch: 12, Step: 1058/1059 DDI Rate: 0.0866, Jaccard: 0.4027,
PRAUC: 0.6491, AVG_PRC: 0.5370, AVG_RECALL: 0.6412, AVG_F1: 0.5642
avg med 18.254918032786886

Epoch: 12, Loss1: 0.3889, One Epoch Time: 0.55m, Appro Left Time:
0.25h

Train--Epoch: 13, Step: 4231/4233

Eval--Epoch: 13, Step: 1058/1059 DDI Rate: 0.0856, Jaccard: 0.4045,
PRAUC: 0.6502, AVG_PRC: 0.5426, AVG_RECALL: 0.6372, AVG_F1: 0.5662
avg med 17.624590163934425

Epoch: 13, Loss1: 0.3874, One Epoch Time: 0.54m, Appro Left Time:
0.23h

Train--Epoch: 14, Step: 4231/4233

Eval--Epoch: 14, Step: 1058/1059 DDI Rate: 0.0812, Jaccard: 0.4053,
PRAUC: 0.6524, AVG_PRC: 0.5718, AVG_RECALL: 0.6046, AVG_F1: 0.5676
avg med 15.134426229508197

Epoch: 14, Loss1: 0.3824, One Epoch Time: 0.53m, Appro Left Time:
0.22h

Train--Epoch: 15, Step: 4231/4233

Eval--Epoch: 15, Step: 1058/1059 DDI Rate: 0.0853, Jaccard: 0.4053,
PRAUC: 0.6526, AVG_PRC: 0.5648, AVG_RECALL: 0.6110, AVG_F1: 0.5670
avg med 15.645081967213114

Epoch: 15, Loss1: 0.3808, One Epoch Time: 0.53m, Appro Left Time:
0.21h

Train--Epoch: 16, Step: 4231/4233

Eval--Epoch: 16, Step: 1058/1059 DDI Rate: 0.0872, Jaccard: 0.4079,
PRAUC: 0.6530, AVG_PRC: 0.5443, AVG_RECALL: 0.6418, AVG_F1: 0.5693
avg med 17.49344262295082

Epoch: 16, Loss1: 0.3811, One Epoch Time: 0.53m, Appro Left Time:
0.20h

Train--Epoch: 17, Step: 4231/4233

Eval--Epoch: 17, Step: 1058/1059 DDI Rate: 0.0885, Jaccard: 0.4081,
PRAUC: 0.6537, AVG_PRC: 0.5479, AVG_RECALL: 0.6376, AVG_F1: 0.5697
avg med 17.31639344262295

Epoch: 17, Loss1: 0.3762, One Epoch Time: 0.53m, Appro Left Time:
0.19h

Train--Epoch: 18, Step: 4231/4233

Eval--Epoch: 18, Step: 1058/1059 DDI Rate: 0.0775, Jaccard: 0.4065,
PRAUC: 0.6560, AVG_PRC: 0.5899, AVG_RECALL: 0.5860, AVG_F1: 0.5686
avg med 14.1

Epoch: 18, Loss1: 0.3775, One Epoch Time: 0.53m, Appro Left Time:
0.19h

Train--Epoch: 19, Step: 4231/4233

Eval--Epoch: 19, Step: 1058/1059 DDI Rate: 0.0878, Jaccard: 0.4087,
PRAUC: 0.6559, AVG_PRC: 0.5509, AVG_RECALL: 0.6341, AVG_F1: 0.5702
avg med 17.233606557377048

Epoch: 19, Loss1: 0.3760, One Epoch Time: 0.53m, Appro Left Time:
0.18h

Train--Epoch: 20, Step: 4231/4233

Eval--Epoch: 20, Step: 1058/1059 DDI Rate: 0.0883, Jaccard: 0.4094,
PRAUC: 0.6561, AVG_PRC: 0.5633, AVG_RECALL: 0.6198, AVG_F1: 0.5711
avg med 16.151639344262296

Epoch: 20, Loss1: 0.3842, One Epoch Time: 0.54m, Appro Left Time:
0.17h

Train--Epoch: 21, Step: 4231/4233

Eval--Epoch: 21, Step: 1058/1059 DDI Rate: 0.0882, Jaccard: 0.4104,
PRAUC: 0.6574, AVG_PRC: 0.5735, AVG_RECALL: 0.6117, AVG_F1: 0.5724

avg med 15.461475409836066

Epoch: 21, Loss1: 0.3727, One Epoch Time: 0.53m, Appro Left Time:
0.16h

Train--Epoch: 22, Step: 4231/4233

Eval--Epoch: 22, Step: 1058/1059 DDI Rate: 0.0890, Jaccard: 0.4120,
PRAUC: 0.6568, AVG_PRC: 0.5507, AVG_RECALL: 0.6425, AVG_F1: 0.5735
avg med 17.45327868852459

Epoch: 22, Loss1: 0.3809, One Epoch Time: 0.53m, Appro Left Time:
0.15h

Train--Epoch: 23, Step: 4231/4233

Eval--Epoch: 23, Step: 1058/1059 DDI Rate: 0.0877, Jaccard: 0.4125,
PRAUC: 0.6571, AVG_PRC: 0.5649, AVG_RECALL: 0.6251, AVG_F1: 0.5742
avg med 16.368852459016395

Epoch: 23, Loss1: 0.3711, One Epoch Time: 0.53m, Appro Left Time:
0.14h

Train--Epoch: 24, Step: 4231/4233

Eval--Epoch: 24, Step: 1058/1059 DDI Rate: 0.0876, Jaccard: 0.4136,
PRAUC: 0.6572, AVG_PRC: 0.5414, AVG_RECALL: 0.6583, AVG_F1: 0.5749
avg med 18.389344262295083

Epoch: 24, Loss1: 0.3692, One Epoch Time: 0.53m, Appro Left Time:
0.13h

Train--Epoch: 25, Step: 4231/4233

Eval--Epoch: 25, Step: 1058/1059 DDI Rate: 0.0853, Jaccard: 0.4135,
PRAUC: 0.6582, AVG_PRC: 0.5692, AVG_RECALL: 0.6229, AVG_F1: 0.5753
avg med 15.948360655737705

Epoch: 25, Loss1: 0.3671, One Epoch Time: 0.53m, Appro Left Time:
0.12h

Train--Epoch: 26, Step: 4231/4233

Eval--Epoch: 26, Step: 1058/1059 DDI Rate: 0.0837, Jaccard: 0.4138,
PRAUC: 0.6591, AVG_PRC: 0.5666, AVG_RECALL: 0.6258, AVG_F1: 0.5754
avg med 16.057377049180328

Epoch: 26, Loss1: 0.3686, One Epoch Time: 0.53m, Appro Left Time: 0.11h

Train--Epoch: 27, Step: 4231/4233

Eval--Epoch: 27, Step: 1058/1059 DDI Rate: 0.0863, Jaccard: 0.4147, PRAUC: 0.6593, AVG_PRC: 0.5557, AVG_RECALL: 0.6416, AVG_F1: 0.5760
avg med 17.365573770491803

Epoch: 27, Loss1: 0.3646, One Epoch Time: 0.53m, Appro Left Time: 0.11h

Train--Epoch: 28, Step: 4231/4233

Eval--Epoch: 28, Step: 1058/1059 DDI Rate: 0.0879, Jaccard: 0.4157, PRAUC: 0.6597, AVG_PRC: 0.5616, AVG_RECALL: 0.6359, AVG_F1: 0.5771
avg med 16.781147540983607

Epoch: 28, Loss1: 0.3656, One Epoch Time: 0.52m, Appro Left Time: 0.10h

Train--Epoch: 29, Step: 4231/4233

Eval--Epoch: 29, Step: 1058/1059 DDI Rate: 0.0871, Jaccard: 0.4157, PRAUC: 0.6600, AVG_PRC: 0.5738, AVG_RECALL: 0.6214, AVG_F1: 0.5774
avg med 15.677868852459016

Epoch: 29, Loss1: 0.3654, One Epoch Time: 0.52m, Appro Left Time: 0.09h

Train--Epoch: 30, Step: 4231/4233

Eval--Epoch: 30, Step: 1058/1059 DDI Rate: 0.0857, Jaccard: 0.4155, PRAUC: 0.6592, AVG_PRC: 0.5596, AVG_RECALL: 0.6383, AVG_F1: 0.5769
avg med 17.01311475409836

Epoch: 30, Loss1: 0.3631, One Epoch Time: 0.52m, Appro Left Time: 0.08h

Train--Epoch: 31, Step: 4231/4233

Eval--Epoch: 31, Step: 1058/1059 DDI Rate: 0.0876, Jaccard: 0.4154, PRAUC: 0.6604, AVG_PRC: 0.5703, AVG_RECALL: 0.6240, AVG_F1: 0.5768
avg med 16.014754098360655

Epoch: 31, Loss1: 0.3695, One Epoch Time: 0.53m, Appro Left Time: 0.07h

Train--Epoch: 32, Step: 4231/4233

Eval--Epoch: 32, Step: 1058/1059 DDI Rate: 0.0859, Jaccard: 0.4147,
PRAUC: 0.6578, AVG_PRC: 0.5507, AVG_RECALL: 0.6485, AVG_F1: 0.5757
avg med 18.26311475409836

Epoch: 32, Loss1: 0.3612, One Epoch Time: 0.52m, Appro Left Time:
0.06h

Train--Epoch: 33, Step: 4231/4233

Eval--Epoch: 33, Step: 1058/1059 DDI Rate: 0.0842, Jaccard: 0.4153,
PRAUC: 0.6613, AVG_PRC: 0.5796, AVG_RECALL: 0.6138, AVG_F1: 0.5768
avg med 15.322950819672132

Epoch: 33, Loss1: 0.3627, One Epoch Time: 0.53m, Appro Left Time:
0.05h

Train--Epoch: 34, Step: 4231/4233

Eval--Epoch: 34, Step: 1058/1059 DDI Rate: 0.0851, Jaccard: 0.4192,
PRAUC: 0.6612, AVG_PRC: 0.5669, AVG_RECALL: 0.6365, AVG_F1: 0.5803
avg med 16.787704918032787

Epoch: 34, Loss1: 0.3606, One Epoch Time: 0.52m, Appro Left Time:
0.04h

Train--Epoch: 35, Step: 4231/4233

Eval--Epoch: 35, Step: 1058/1059 DDI Rate: 0.0819, Jaccard: 0.4187,
PRAUC: 0.6622, AVG_PRC: 0.5832, AVG_RECALL: 0.6164, AVG_F1: 0.5804
avg med 15.277868852459017

Epoch: 35, Loss1: 0.3591, One Epoch Time: 0.52m, Appro Left Time:
0.03h

Train--Epoch: 36, Step: 4231/4233

Eval--Epoch: 36, Step: 1058/1059 DDI Rate: 0.0855, Jaccard: 0.4191,
PRAUC: 0.6602, AVG_PRC: 0.5563, AVG_RECALL: 0.6505, AVG_F1: 0.5802
avg med 17.794262295081968

Epoch: 36, Loss1: 0.3595, One Epoch Time: 0.52m, Appro Left Time:
0.03h

Train--Epoch: 37, Step: 4231/4233

Eval--Epoch: 37, Step: 1058/1059 DDI Rate: 0.0871, Jaccard: 0.4184,
PRAUC: 0.6623, AVG_PRC: 0.5653, AVG_RECALL: 0.6368, AVG_F1: 0.5796
avg med 16.618852459016395

Epoch: 37, Loss1: 0.3584, One Epoch Time: 0.52m, Appro Left Time:
0.02h

Train--Epoch: 38, Step: 4231/4233

Eval--Epoch: 38, Step: 1058/1059 DDI Rate: 0.0853, Jaccard: 0.4191,
PRAUC: 0.6629, AVG_PRC: 0.5740, AVG_RECALL: 0.6275, AVG_F1: 0.5803
avg med 15.920491803278688

Epoch: 38, Loss1: 0.3577, One Epoch Time: 0.52m, Appro Left Time:
0.01h

Train--Epoch: 39, Step: 4231/4233

Eval--Epoch: 39, Step: 1058/1059 DDI Rate: 0.0856, Jaccard: 0.4197,
PRAUC: 0.6629, AVG_PRC: 0.5795, AVG_RECALL: 0.6229, AVG_F1: 0.5813
avg med 15.625409836065574

Epoch: 39, Loss1: 0.3628, One Epoch Time: 0.52m, Appro Left Time:
0.00h

Latest run:

parameters 452434

Train--Epoch: 0, Step: 4232/4233, L_p cnt: 5048, L_neg cnt: 5427

Eval--Epoch: 0, Step: 1058/1059 DDI Rate: 0.0611, Jaccard: 0.3598, PRAUC: 0.6209, AVG_PRC: 0.6300,
AVG_RECALL: 0.4719, AVG_F1: 0.5210

Epoch: 0, Loss: 0.1255, One Epoch Time: 1.87m, Appro Left Time: 1.21h

path__ saved/GAMENet/Epoch_0_JA_0.3598_DDI_0.0611.model

Train--Epoch: 1, Step: 4232/4233, L_p cnt: 5592, L_neg cnt: 4883

Eval--Epoch: 1, Step: 1058/1059 DDI Rate: 0.0231, Jaccard: 0.3586, PRAUC: 0.6297, AVG_PRC: 0.6526,
AVG_RECALL: 0.4591, AVG_F1: 0.5194

Epoch: 1, Loss: 0.1332, One Epoch Time: 1.84m, Appro Left Time: 1.17h

path__ saved/GAMENet/Epoch_1_JA_0.3586_DDI_0.0231.model

Train--Epoch: 2, Step: 4232/4233, L_p cnt: 6583, L_neg cnt: 3892

Eval--Epoch: 2, Step: 1058/1059 DDI Rate: 0.0497, Jaccard: 0.3797, PRAUC: 0.6392, AVG_PRC: 0.6445,
AVG_RECALL: 0.4937, AVG_F1: 0.5412

Epoch: 2, Loss: 0.1547, One Epoch Time: 1.83m, Appro Left Time: 1.13h

path__ saved/GAMENet/Epoch_2_JA_0.3797_DDI_0.0497.model

Train--Epoch: 3, Step: 4232/4233, L_p cnt: 6524, L_neg cnt: 3951

Eval--Epoch: 3, Step: 1058/1059 DDI Rate: 0.0559, Jaccard: 0.3982, PRAUC: 0.6552, AVG_PRC: 0.6536,
AVG_RECALL: 0.5130, AVG_F1: 0.5575

Epoch: 3, Loss: 0.1421, One Epoch Time: 1.82m, Appro Left Time: 1.09h

path__ saved/GAMENet/Epoch_3_JA_0.3982_DDI_0.0559.model

Train--Epoch: 4, Step: 4232/4233, L_p cnt: 5665, L_neg cnt: 4810

Eval--Epoch: 4, Step: 1058/1059 DDI Rate: 0.0579, Jaccard: 0.4051, PRAUC: 0.6611, AVG_PRC: 0.6547,
AVG_RECALL: 0.5227, AVG_F1: 0.5640

Epoch: 4, Loss: 0.1195, One Epoch Time: 1.80m, Appro Left Time: 1.05h

path__ saved/GAMENet/Epoch_4_JA_0.4051_DDI_0.0579.model

Train--Epoch: 5, Step: 4232/4233, L_p cnt: 5660, L_neg cnt: 4815

Eval--Epoch: 5, Step: 1058/1059 DDI Rate: 0.0582, Jaccard: 0.4089, PRAUC: 0.6662, AVG_PRC: 0.6594,
AVG_RECALL: 0.5261, AVG_F1: 0.5680

Epoch: 5, Loss: 0.1179, One Epoch Time: 1.79m, Appro Left Time: 1.01h

path__ saved/GAMENet/Epoch_5_JA_0.4089_DDI_0.0582.model

Train--Epoch: 6, Step: 4232/4233, L_p cnt: 5888, L_neg cnt: 4587

Eval--Epoch: 6, Step: 1058/1059 DDI Rate: 0.0626, Jaccard: 0.4135, PRAUC: 0.6728, AVG_PRC: 0.6659,
AVG_RECALL: 0.5298, AVG_F1: 0.5727

Epoch: 6, Loss: 0.1222, One Epoch Time: 1.80m, Appro Left Time: 0.99h

path__ saved/GAMENet/Epoch_6_JA_0.4135_DDI_0.0626.model

Train--Epoch: 7, Step: 4232/4233, L_p cnt: 6103, L_neg cnt: 4372

Eval--Epoch: 7, Step: 1058/1059 DDI Rate: 0.0647, Jaccard: 0.4155, PRAUC: 0.6754, AVG_PRC: 0.6696,
AVG_RECALL: 0.5303, AVG_F1: 0.5746

Epoch: 7, Loss: 0.1264, One Epoch Time: 1.76m, Appro Left Time: 0.94h

path__ saved/GAMENet/Epoch_7_JA_0.4155_DDI_0.0647.model

Train--Epoch: 8, Step: 4232/4233, L_p cnt: 6191, L_neg cnt: 4284

Eval--Epoch: 8, Step: 1058/1059 DDI Rate: 0.0697, Jaccard: 0.4228, PRAUC: 0.6775, AVG_PRC: 0.6625,
AVG_RECALL: 0.5467, AVG_F1: 0.5821

Epoch: 8, Loss: 0.1268, One Epoch Time: 1.75m, Appro Left Time: 0.91h

path__ saved/GAMENet/Epoch_8_JA_0.4228_DDI_0.0697.model

Train--Epoch: 9, Step: 4232/4233, L_p cnt: 6599, L_neg cnt: 3876

Eval--Epoch: 9, Step: 1058/1059 DDI Rate: 0.0699, Jaccard: 0.4293, PRAUC: 0.6799, AVG_PRC: 0.6564,
AVG_RECALL: 0.5633, AVG_F1: 0.5887

Epoch: 9, Loss: 0.1346, One Epoch Time: 1.75m, Appro Left Time: 0.87h

path__ saved/GAMENet/Epoch_9_JA_0.4293_DDI_0.0699.model

Train--Epoch: 10, Step: 4232/4233, L_p cnt: 6845, L_neg cnt: 3630

Eval--Epoch: 10, Step: 1058/1059 DDI Rate: 0.0757, Jaccard: 0.4309, PRAUC: 0.6823, AVG_PRC: 0.6644,
AVG_RECALL: 0.5591, AVG_F1: 0.5899

Epoch: 10, Loss: 0.1382, One Epoch Time: 1.74m, Appro Left Time: 0.84h

path__ saved/GAMENet/Epoch_10_JA_0.4309_DDI_0.0757.model

Train--Epoch: 11, Step: 4232/4233, L_p cnt: 7048, L_neg cnt: 3427

Eval--Epoch: 11, Step: 1058/1059 DDI Rate: 0.0726, Jaccard: 0.4325, PRAUC: 0.6839, AVG_PRC: 0.6618,
AVG_RECALL: 0.5654, AVG_F1: 0.5918

Epoch: 11, Loss: 0.1422, One Epoch Time: 1.75m, Appro Left Time: 0.82h

path__ saved/GAMENet/Epoch_11_JA_0.4325_DDI_0.0726.model

Train--Epoch: 12, Step: 4232/4233, L_p cnt: 7288, L_neg cnt: 3187

Eval--Epoch: 12, Step: 1058/1059 DDI Rate: 0.0752, Jaccard: 0.4370, PRAUC: 0.6874, AVG_PRC: 0.6601,
AVG_RECALL: 0.5741, AVG_F1: 0.5962

Epoch: 12, Loss: 0.1461, One Epoch Time: 1.78m, Appro Left Time: 0.80h

path__ saved/GAMENet/Epoch_12_JA_0.4370_DDI_0.0752.model

Train--Epoch: 13, Step: 4232/4233, L_p cnt: 7576, L_neg cnt: 2899

Eval--Epoch: 13, Step: 1058/1059 DDI Rate: 0.0772, Jaccard: 0.4407, PRAUC: 0.6896, AVG_PRC: 0.6542, AVG_RECALL: 0.5848, AVG_F1: 0.5997

Epoch: 13, Loss: 0.1509, One Epoch Time: 1.75m, Appro Left Time: 0.76h
path__ saved/GAMENet/Epoch_13_JA_0.4407_DDI_0.0772.model

Train--Epoch: 14, Step: 4232/4233, L_p cnt: 7900, L_neg cnt: 2575

Eval--Epoch: 14, Step: 1058/1059 DDI Rate: 0.0782, Jaccard: 0.4410, PRAUC: 0.6910, AVG_PRC: 0.6556, AVG_RECALL: 0.5849, AVG_F1: 0.6001

Epoch: 14, Loss: 0.1571, One Epoch Time: 1.76m, Appro Left Time: 0.73h
path__ saved/GAMENet/Epoch_14_JA_0.4410_DDI_0.0782.model

Train--Epoch: 15, Step: 4232/4233, L_p cnt: 8189, L_neg cnt: 2286

Eval--Epoch: 15, Step: 1058/1059 DDI Rate: 0.0817, Jaccard: 0.4395, PRAUC: 0.6906, AVG_PRC: 0.6549, AVG_RECALL: 0.5827, AVG_F1: 0.5986

Epoch: 15, Loss: 0.1623, One Epoch Time: 1.75m, Appro Left Time: 0.70h
path__ saved/GAMENet/Epoch_15_JA_0.4395_DDI_0.0817.model

Train--Epoch: 16, Step: 4232/4233, L_p cnt: 8465, L_neg cnt: 2010

Eval--Epoch: 16, Step: 1058/1059 DDI Rate: 0.0865, Jaccard: 0.4410, PRAUC: 0.6915, AVG_PRC: 0.6541, AVG_RECALL: 0.5861, AVG_F1: 0.6001

Epoch: 16, Loss: 0.1666, One Epoch Time: 1.76m, Appro Left Time: 0.67h
path__ saved/GAMENet/Epoch_16_JA_0.4410_DDI_0.0865.model

Train--Epoch: 17, Step: 4232/4233, L_p cnt: 8703, L_neg cnt: 1772

Eval--Epoch: 17, Step: 1058/1059 DDI Rate: 0.0839, Jaccard: 0.4442, PRAUC: 0.6938, AVG_PRC: 0.6500, AVG_RECALL: 0.5949, AVG_F1: 0.6032

Epoch: 17, Loss: 0.1708, One Epoch Time: 1.75m, Appro Left Time: 0.64h
path__ saved/GAMENet/Epoch_17_JA_0.4442_DDI_0.0839.model

Train--Epoch: 18, Step: 4232/4233, L_p cnt: 8895, L_neg cnt: 1580

Eval--Epoch: 18, Step: 1058/1059 DDI Rate: 0.0865, Jaccard: 0.4429, PRAUC: 0.6938, AVG_PRC: 0.6499, AVG_RECALL: 0.5924, AVG_F1: 0.6020

Epoch: 18, Loss: 0.1739, One Epoch Time: 1.75m, Appro Left Time: 0.61h
path__ saved/GAMENet/Epoch_18_JA_0.4429_DDI_0.0865.model

Train--Epoch: 19, Step: 4232/4233, L_p cnt: 9138, L_neg cnt: 1337

Eval--Epoch: 19, Step: 1058/1059 DDI Rate: 0.0842, Jaccard: 0.4459, PRAUC: 0.6947, AVG_PRC: 0.6428, AVG_RECALL: 0.6033, AVG_F1: 0.6049

Epoch: 19, Loss: 0.1781, One Epoch Time: 2.65m, Appro Left Time: 0.88h
path__ saved/GAMENet/Epoch_19_JA_0.4459_DDI_0.0842.model

Train--Epoch: 20, Step: 4232/4233, L_p cnt: 9276, L_neg cnt: 1199

Eval--Epoch: 20, Step: 1058/1059 DDI Rate: 0.0818, Jaccard: 0.4462, PRAUC: 0.6956, AVG_PRC: 0.6439, AVG_RECALL: 0.6035, AVG_F1: 0.6051

Epoch: 20, Loss: 0.1799, One Epoch Time: 3.12m, Appro Left Time: 0.99h
path__ saved/GAMENet/Epoch_20_JA_0.4462_DDI_0.0818.model

Train--Epoch: 21, Step: 4232/4233, L_p cnt: 9455, L_neg cnt: 1020

Eval--Epoch: 21, Step: 1058/1059 DDI Rate: 0.0867, Jaccard: 0.4480, PRAUC: 0.6955, AVG_PRC: 0.6427, AVG_RECALL: 0.6074, AVG_F1: 0.6068

Epoch: 21, Loss: 0.1825, One Epoch Time: 2.20m, Appro Left Time: 0.66h
path__ saved/GAMENet/Epoch_21_JA_0.4480_DDI_0.0867.model

Train--Epoch: 22, Step: 4232/4233, L_p cnt: 9498, L_neg cnt: 977

Eval--Epoch: 22, Step: 1058/1059 DDI Rate: 0.0891, Jaccard: 0.4470, PRAUC: 0.6961, AVG_PRC: 0.6482, AVG_RECALL: 0.6023, AVG_F1: 0.6059

Epoch: 22, Loss: 0.1819, One Epoch Time: 1.75m, Appro Left Time: 0.49h

path__ saved/GAMENet/Epoch_22_JA_0.4470_DDI_0.0891.model

Train--Epoch: 23, Step: 4232/4233, L_p cnt: 9649, L_neg cnt: 826

Eval--Epoch: 23, Step: 1058/1059 DDI Rate: 0.0830, Jaccard: 0.4497, PRAUC: 0.6972, AVG_PRC: 0.6426, AVG_RECALL: 0.6108, AVG_F1: 0.6080

Epoch: 23, Loss: 0.1840, One Epoch Time: 1.77m, Appro Left Time: 0.47h

path__ saved/GAMENet/Epoch_23_JA_0.4497_DDI_0.0830.model

Train--Epoch: 24, Step: 4232/4233, L_p cnt: 9743, L_neg cnt: 732

Eval--Epoch: 24, Step: 1058/1059 DDI Rate: 0.0790, Jaccard: 0.4486, PRAUC: 0.6973, AVG_PRC: 0.6479, AVG_RECALL: 0.6041, AVG_F1: 0.6069

Epoch: 24, Loss: 0.1851, One Epoch Time: 1.77m, Appro Left Time: 0.44h

path__ saved/GAMENet/Epoch_24_JA_0.4486_DDI_0.0790.model

Train--Epoch: 25, Step: 4232/4233, L_p cnt: 9832, L_neg cnt: 643

Eval--Epoch: 25, Step: 1058/1059 DDI Rate: 0.0829, Jaccard: 0.4507, PRAUC: 0.6984, AVG_PRC: 0.6461, AVG_RECALL: 0.6101, AVG_F1: 0.6091

Epoch: 25, Loss: 0.1856, One Epoch Time: 1.77m, Appro Left Time: 0.41h

path__ saved/GAMENet/Epoch_25_JA_0.4507_DDI_0.0829.model

Train--Epoch: 26, Step: 4232/4233, L_p cnt: 9948, L_neg cnt: 527

Eval--Epoch: 26, Step: 1058/1059 DDI Rate: 0.0859, Jaccard: 0.4515, PRAUC: 0.6984, AVG_PRC: 0.6441, AVG_RECALL: 0.6142, AVG_F1: 0.6102

Epoch: 26, Loss: 0.1875, One Epoch Time: 1.74m, Appro Left Time: 0.38h

path__ saved/GAMENet/Epoch_26_JA_0.4515_DDI_0.0859.model

Train--Epoch: 27, Step: 4232/4233, L_p cnt: 9996, L_neg cnt: 479

Eval--Epoch: 27, Step: 1058/1059 DDI Rate: 0.0812, Jaccard: 0.4516, PRAUC: 0.6976, AVG_PRC: 0.6410, AVG_RECALL: 0.6163, AVG_F1: 0.6101

Epoch: 27, Loss: 0.1875, One Epoch Time: 1.75m, Appro Left Time: 0.35h

path__ saved/GAMENet/Epoch_27_JA_0.4516_DDI_0.0812.model

Train--Epoch: 28, Step: 4232/4233, L_p cnt: 10061, L_neg cnt: 414

Eval--Epoch: 28, Step: 1058/1059 DDI Rate: 0.0852, Jaccard: 0.4530, PRAUC: 0.6985, AVG_PRC: 0.6432, AVG_RECALL: 0.6165, AVG_F1: 0.6112

Epoch: 28, Loss: 0.1876, One Epoch Time: 1.73m, Appro Left Time: 0.32h

path__ saved/GAMENet/Epoch_28_JA_0.4530_DDI_0.0852.model

Train--Epoch: 29, Step: 4232/4233, L_p cnt: 10120, L_neg cnt: 355

Eval--Epoch: 29, Step: 1058/1059 DDI Rate: 0.0851, Jaccard: 0.4518, PRAUC: 0.6988, AVG_PRC: 0.6445, AVG_RECALL: 0.6144, AVG_F1: 0.6102

Epoch: 29, Loss: 0.1880, One Epoch Time: 1.74m, Appro Left Time: 0.29h

path__ saved/GAMENet/Epoch_29_JA_0.4518_DDI_0.0851.model

Train--Epoch: 30, Step: 4232/4233, L_p cnt: 10169, L_neg cnt: 306

Eval--Epoch: 30, Step: 1058/1059 DDI Rate: 0.0855, Jaccard: 0.4520, PRAUC: 0.6988, AVG_PRC: 0.6405, AVG_RECALL: 0.6180, AVG_F1: 0.6104

Epoch: 30, Loss: 0.1877, One Epoch Time: 1.73m, Appro Left Time: 0.26h

path__ saved/GAMENet/Epoch_30_JA_0.4520_DDI_0.0855.model

Train--Epoch: 31, Step: 4232/4233, L_p cnt: 10248, L_neg cnt: 227

Eval--Epoch: 31, Step: 1058/1059 DDI Rate: 0.0830, Jaccard: 0.4530, PRAUC: 0.6995, AVG_PRC: 0.6450, AVG_RECALL: 0.6163, AVG_F1: 0.6115

Epoch: 31, Loss: 0.1887, One Epoch Time: 1.74m, Appro Left Time: 0.23h

path__ saved/GAMENet/Epoch_31_JA_0.4530_DDI_0.0830.model

Train--Epoch: 32, Step: 4232/4233, L_p cnt: 10272, L_neg cnt: 203

Eval--Epoch: 32, Step: 1058/1059 DDI Rate: 0.0812, Jaccard: 0.4535, PRAUC: 0.6993, AVG_PRC: 0.6444,
AVG_RECALL: 0.6170, AVG_F1: 0.6118

Epoch: 32, Loss: 0.1883, One Epoch Time: 1.74m, Appro Left Time: 0.20h
path__ saved/GAMENet/Epoch_32_JA_0.4535_DDI_0.0812.model

Train--Epoch: 33, Step: 4232/4233, L_p cnt: 10316, L_neg cnt: 159

Eval--Epoch: 33, Step: 1058/1059 DDI Rate: 0.0843, Jaccard: 0.4542, PRAUC: 0.6989, AVG_PRC: 0.6395,
AVG_RECALL: 0.6232, AVG_F1: 0.6127

Epoch: 33, Loss: 0.1883, One Epoch Time: 1.72m, Appro Left Time: 0.17h
path__ saved/GAMENet/Epoch_33_JA_0.4542_DDI_0.0843.model

Train--Epoch: 34, Step: 4232/4233, L_p cnt: 10340, L_neg cnt: 135

Eval--Epoch: 34, Step: 1058/1059 DDI Rate: 0.0825, Jaccard: 0.4536, PRAUC: 0.6988, AVG_PRC: 0.6424,
AVG_RECALL: 0.6197, AVG_F1: 0.6119

Epoch: 34, Loss: 0.1879, One Epoch Time: 1.74m, Appro Left Time: 0.15h
path__ saved/GAMENet/Epoch_34_JA_0.4536_DDI_0.0825.model

Train--Epoch: 35, Step: 4232/4233, L_p cnt: 10368, L_neg cnt: 107

Eval--Epoch: 35, Step: 1058/1059 DDI Rate: 0.0819, Jaccard: 0.4537, PRAUC: 0.6990, AVG_PRC: 0.6448,
AVG_RECALL: 0.6162, AVG_F1: 0.6117

Epoch: 35, Loss: 0.1877, One Epoch Time: 1.73m, Appro Left Time: 0.12h
path__ saved/GAMENet/Epoch_35_JA_0.4537_DDI_0.0819.model

Train--Epoch: 36, Step: 4232/4233, L_p cnt: 10375, L_neg cnt: 100

Eval--Epoch: 36, Step: 1058/1059 DDI Rate: 0.0847, Jaccard: 0.4540, PRAUC: 0.6987, AVG_PRC: 0.6444,
AVG_RECALL: 0.6174, AVG_F1: 0.6120

Epoch: 36, Loss: 0.1869, One Epoch Time: 1.76m, Appro Left Time: 0.09h
path__ saved/GAMENet/Epoch_36_JA_0.4540_DDI_0.0847.model

Train--Epoch: 37, Step: 4232/4233, L_p cnt: 10403, L_neg cnt: 72

Eval--Epoch: 37, Step: 1058/1059 DDI Rate: 0.0826, Jaccard: 0.4529, PRAUC: 0.6989, AVG_PRC: 0.6404,
AVG_RECALL: 0.6199, AVG_F1: 0.6112

Epoch: 37, Loss: 0.1866, One Epoch Time: 1.78m, Appro Left Time: 0.06h
path__ saved/GAMENet/Epoch_37_JA_0.4529_DDI_0.0826.model

Train--Epoch: 38, Step: 4232/4233, L_p cnt: 10427, L_neg cnt: 48

Eval--Epoch: 38, Step: 1058/1059 DDI Rate: 0.0850, Jaccard: 0.4518, PRAUC: 0.6985, AVG_PRC: 0.6377,
AVG_RECALL: 0.6200, AVG_F1: 0.6102

Epoch: 38, Loss: 0.1864, One Epoch Time: 1.74m, Appro Left Time: 0.03h
path__ saved/GAMENet/Epoch_38_JA_0.4518_DDI_0.0850.model

Train--Epoch: 39, Step: 4232/4233, L_p cnt: 10436, L_neg cnt: 39

Eval--Epoch: 39, Step: 1058/1059 DDI Rate: 0.0807, Jaccard: 0.4528, PRAUC: 0.6982, AVG_PRC: 0.6417,
AVG_RECALL: 0.6177, AVG_F1: 0.6109

Epoch: 39, Loss: 0.1858, One Epoch Time: 1.74m, Appro Left Time: 0.00h
path__ saved/GAMENet/Epoch_39_JA_0.4528_DDI_0.0807.model