

Training results

Train gamenet with DDI number of parameters:

parameters 452434

```
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

