

```
1 /Users/nyxfer/anaconda3/envs/HGCN/bin/python /Applications/
PyCharm.app/Contents/helpers/pydev/pydevconsole.py --mode=
client --port=53382
2
3 import sys; print('Python %s on %s' % (sys.version, sys.
platform))
4 sys.path.extend(['/Users/nyxfer/Docu/FM-PSEP'])
5
6 Python 3.6.7 | packaged by conda-forge | (default, Jul  2
2019, 02:07:37)
7 Type 'copyright', 'credits' or 'license' for more
information
8 IPython 7.6.1 -- An enhanced Interactive Python. Type '?' for help.
9 PyDev console: using IPython 7.6.1
10
11 Python 3.6.7 | packaged by conda-forge | (default, Jul  2
2019, 02:07:37)
12 [GCC 4.2.1 Compatible Clang 4.0.1 (tags/RELEASE_401/final
)] on darwin
13 In[2]: runfile('/Users/nyxfer/Docu/FM-PSEP/test/pd_net.py',
', wdir='/Users/nyxfer/Docu/FM-PSEP/test')
14 loading data
15 remove 0 isolated drugs: []
16 remove finished
17 963 polypharmacy side effects
18 data has been loaded
19 cpu
20 model training ...
21 0    loss: 1.656221866607666    auprc: 0.5034541297294794
        auroc: 0.49959703613949746    ap: 0.5006958601843903
22 0    loss: 1.656221866607666    auprc: 0.504056039154872
        auroc: 0.5003474572651689    ap: 0.5012782411467729    time
        : 31.895097732543945
23
24 1    loss: 1.5948303937911987    auprc: 0.502364596438113
        auroc: 0.5000700659021    ap: 0.49959832356800044
25 1    loss: 1.5948303937911987    auprc: 0.5029870012877091
        auroc: 0.5007804209287698    ap: 0.50019062524809
        time: 31.53447985649109
26
27 2    loss: 1.546274185180664    auprc: 0.5012988945408582
        auroc: 0.5004341937216835    ap: 0.49850948695547387
28 2    loss: 1.546274185180664    auprc: 0.5017632631092539
        auroc: 0.5008919469813127    ap: 0.49895535394483426
        time: 35.09048914909363
29
30 3    loss: 1.5089061260223389    auprc: 0.5001265539929405
        auroc: 0.5004974123792423    ap: 0.49733430693849917
31 3    loss: 1.5089061260223389    auprc: 0.5006820755722227
        auroc: 0.5010913199588486    ap: 0.49786022965618415
```

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31      time: 31.151832103729248
32
33 4    loss: 1.4804284572601318    auprc: 0.49941972866943896
      auroc: 0.5009432751084294    ap: 0.4965631191561009
34 4    loss: 1.4804284572601318    auprc: 0.4997775310883136
      auroc: 0.5013815664249093    ap: 0.49693217278562957
      time: 31.508051872253418
35
36 5    loss: 1.4594533443450928    auprc: 0.4986337671526977
      auroc: 0.5013579268511323    ap: 0.4957524608238886
37 5    loss: 1.4594533443450928    auprc: 0.499011643026242
      auroc: 0.5017193228956595    ap: 0.496125118730867
      time: 35.6802499294281
38
39 6    loss: 1.4438836574554443    auprc: 0.49784913948557374
      auroc: 0.5013687141970806    ap: 0.49496438401193393
40 6    loss: 1.4438836574554443    auprc: 0.49825034964495546
      auroc: 0.5017451050283863    ap: 0.49536164305836466
      time: 30.901485681533813
41
42 7    loss: 1.432540774345398    auprc: 0.49730968051732016
      auroc: 0.5013534275317255    ap: 0.49446253078505
43 7    loss: 1.432540774345398    auprc: 0.4977624317652518
      auroc: 0.501789559369264    ap: 0.4949085439236627
      time: 30.326355934143066
44
45 8    loss: 1.4238202571868896    auprc: 0.49720513862996446
      auroc: 0.5013907081814288    ap: 0.4943187996487985
46 8    loss: 1.4238202571868896    auprc: 0.497634229168457
      auroc: 0.5019178280928169    ap: 0.49473296509784775
      time: 30.779944896697998
47
48 9    loss: 1.417022705078125    auprc: 0.49730413915142646
      auroc: 0.5018666038141423    ap: 0.4944016758630446
49 9    loss: 1.417022705078125    auprc: 0.4977628037967056
      auroc: 0.5023760475808831    ap: 0.4948325646789886
      time: 30.120385885238647
50
51 10   loss: 1.4115147590637207    auprc: 0.49731942871444973
      auroc: 0.5023599670601574    ap: 0.4943987033578314
52 10   loss: 1.4115147590637207    auprc: 0.497756491988013
      auroc: 0.5027010560939509    ap: 0.4947851515557603
      time: 31.33365297317505
53
54 11   loss: 1.406839370727539    auprc: 0.4973244588838035
      auroc: 0.5028213103792658    ap: 0.4944435840080284
55 11   loss: 1.406839370727539    auprc: 0.49765087536321395
      auroc: 0.5030661669595086    ap: 0.49475020577938983
      time: 31.18397879600525
56
57 12   loss: 1.4029648303985596    auprc: 0.49743972746357124

```

57	auroc:	0.5035270775810718	ap:	0.49434219244871624
58	12	loss:	1.4029648303985596	auprc: 0.
			49780151746587037	auroc: 0.5037585918925142 ap: 0.
			4946963734030842	time: 31.28534197807312
59				
60	13	loss:	1.3994756937026978	auprc: 0.4981401285453143
				auroc: 0.5050081333071533 ap: 0.49479713840828876
61	13	loss:	1.3994756937026978	auprc: 0.4983202033646
				auroc: 0.5050227595881049 ap: 0.4949974165199821
				time: 30.671059131622314
62				
63	14	loss:	1.3966753482818604	auprc: 0.4987648715479159
				auroc: 0.5062318417770625 ap: 0.4952033664686371
64	14	loss:	1.3966753482818604	auprc: 0.
			49883404690337557	auroc: 0.5061498540735878 ap: 0.
			49532171945164505	time: 30.51302719116211
65				
66	15	loss:	1.3942830562591553	auprc: 0.4991996713394449
				auroc: 0.5073472187686339 ap: 0.495543528155502
67	15	loss:	1.3942830562591553	auprc: 0.499314742818667
				auroc: 0.5074631374772902 ap: 0.4958694815936102
				time: 29.6128351688385
68				
69	16	loss:	1.3924224376678467	auprc: 0.4994282134593475
				auroc: 0.5083430388730245 ap: 0.49583459557015164
70	16	loss:	1.3924224376678467	auprc: 0.
			49975249746940664	auroc: 0.5084681580092288 ap: 0.
			49622005184427664	time: 30.332499027252197
71				
72	17	loss:	1.3906038999557495	auprc: 0.5002133904082883
				auroc: 0.5096085944335578 ap: 0.49650335062640705
73	17	loss:	1.3906038999557495	auprc: 0.5005359086542658
				auroc: 0.509846692849836 ap: 0.4969102264222498
				time: 31.018609046936035
74				
75	18	loss:	1.3890230655670166	auprc: 0.5009648124264164
				auroc: 0.5114019746579652 ap: 0.4973341284829635
76	18	loss:	1.3890230655670166	auprc: 0.5014868159462677
				auroc: 0.5117754996808258 ap: 0.4978058095956127
				time: 30.071123123168945
77				
78	19	loss:	1.387531042098999	auprc: 0.5022780747267096
				auroc: 0.5135516612158278 ap: 0.4983525577925082
79	19	loss:	1.387531042098999	auprc: 0.5027967191508087
				auroc: 0.513979420858443 ap: 0.49882696167297025
				time: 29.297688722610474
80				
81	20	loss:	1.3862099647521973	auprc: 0.5035020969846989
				auroc: 0.5155731222485826 ap: 0.4992505696092894
82	20	loss:	1.3862099647521973	auprc: 0.5041852418601325
				auroc: 0.5161555483680408 ap: 0.49975672193730986

82	time:	29.521058797836304	
83			
84 21	loss:	1.3849022388458252	auprc: 0.5047373464030718
	auroc:	0.5177895525587487	ap: 0.5005487741381676
85 21	loss:	1.3849022388458252	auprc: 0.5055723001958049
	auroc:	0.518594778065685	ap: 0.5013394960558926
	time:	29.23071002960205	
86			
87 22	loss:	1.3836191892623901	auprc: 0.5063788449707496
	auroc:	0.5207209501494315	ap: 0.5022710534042172
88 22	loss:	1.3836191892623901	auprc: 0.5073715756111539
	auroc:	0.5215242705524155	ap: 0.5029717134116763
	time:	29.618839025497437	
89			
90 23	loss:	1.3823280334472656	auprc: 0.5082483105292024
	auroc:	0.5239235873825975	ap: 0.5041179386663882
91 23	loss:	1.3823280334472656	auprc: 0.5095139802694721
	auroc:	0.5251648238457175	ap: 0.5052685414968042
	time:	29.6933331489563	
92			
93 24	loss:	1.3811057806015015	auprc: 0.5103346250654026
	auroc:	0.5267298551078821	ap: 0.5057334906508305
94 24	loss:	1.3811057806015015	auprc: 0.5117418416616561
	auroc:	0.5282560844347957	ap: 0.5072938459921398
	time:	30.19775700569153	
95			
96 25	loss:	1.379860281944275	auprc: 0.5125225497956175
	auroc:	0.5302067881865817	ap: 0.5079645374890798
97 25	loss:	1.379860281944275	auprc: 0.5138774701033132
	auroc:	0.5314394947568795	ap: 0.509196744036548
	time:	30.34261679649353	
98			
99 26	loss:	1.37855863571167	auprc: 0.5142494691341521
	auroc:	0.5334494813533104	ap: 0.5099708398248894
100 26	loss:	1.37855863571167	auprc: 0.5159138769154623
	auroc:	0.5351158005191126	ap: 0.5117428399321555
	time:	30.663464069366455	
101			
102 27	loss:	1.3770043849945068	auprc: 0.5164301951928033
	auroc:	0.5368801442960024	ap: 0.5123232458391311
103 27	loss:	1.3770043849945068	auprc: 0.5182717036532509
	auroc:	0.5383737705959216	ap: 0.513811396471723
	time:	28.96146821975708	
104			
105 28	loss:	1.3754163980484009	auprc: 0.5188969026355799
	auroc:	0.5412697119900067	ap: 0.5156203612430064
106 28	loss:	1.3754163980484009	auprc: 0.5209459364875261
	auroc:	0.5426218037735242	ap: 0.5169057654503398
	time:	29.733006715774536	
107			
108 29	loss:	1.373549461364746	auprc: 0.5223011358851605

108	auroc: 0.5460147495984272	ap: 0.5186051412942809
109 29	loss: 1.373549461364746	auprc: 0.5244142608271931
	auroc: 0.547626644871103	ap: 0.5202692682178998
	time: 29.26873278617859	
110		
111 30	loss: 1.3716105222702026	auprc: 0.5254426643186513
	auroc: 0.5503022450008347	ap: 0.5212061756167515
112 30	loss: 1.3716105222702026	auprc: 0.5275044563140664
	auroc: 0.5520539963257215	ap: 0.5233151842130948
	time: 33.53478980064392	
113		
114 31	loss: 1.3694190979003906	auprc: 0.5277012081205055
	auroc: 0.5539594963838763	ap: 0.5242890804577695
115 31	loss: 1.3694190979003906	auprc: 0.5299578454631356
	auroc: 0.5551737962430815	ap: 0.5257337423051737
	time: 28.163158893585205	
116		
117 32	loss: 1.3671081066131592	auprc: 0.5306976278912172
	auroc: 0.5556897689592745	ap: 0.5250164800160457
118 32	loss: 1.3671081066131592	auprc: 0.5331093475101631
	auroc: 0.5575744506908576	ap: 0.5274262243704674
	time: 29.154986143112183	
119		
120 33	loss: 1.3644622564315796	auprc: 0.5342302800274608
	auroc: 0.5597058346649121	ap: 0.528447333739196
121 33	loss: 1.3644622564315796	auprc: 0.5366864886356248
	auroc: 0.5616051746090955	ap: 0.5311471142352776
	time: 30.11823320388794	
122		
123 34	loss: 1.3615443706512451	auprc: 0.5385447580082893
	auroc: 0.5646061601379924	ap: 0.5327179465570192
124 34	loss: 1.3615443706512451	auprc: 0.541255180763493
	auroc: 0.5661617151358166	ap: 0.5348534616375381
	time: 29.00105309486389	
125		
126 35	loss: 1.3586020469665527	auprc: 0.5435298584135473
	auroc: 0.5697669841455631	ap: 0.5369184344168964
127 35	loss: 1.3586020469665527	auprc: 0.5463472444135644
	auroc: 0.5714647150328562	ap: 0.5393241909774372
	time: 29.875965118408203	
128		
129 36	loss: 1.3554108142852783	auprc: 0.5481533251731839
	auroc: 0.5738013656885679	ap: 0.5407115408814921
130 36	loss: 1.3554108142852783	auprc: 0.5509366013680396
	auroc: 0.5753621254463019	ap: 0.54299531262792
	time: 29.768758058547974	
131		
132 37	loss: 1.3518261909484863	auprc: 0.553511769017744
	auroc: 0.5782995979727303	ap: 0.5449355605494572
133 37	loss: 1.3518261909484863	auprc: 0.5561183461206481
	auroc: 0.5797571411164301	ap: 0.5472361706549177

133	time:	28.82757806777954	
134			
135 38	loss:	1.3482263088226318	auprc: 0.55869233022609
	auroc:	0.5826829912826632	ap: 0.5492447977656206
136 38	loss:	1.3482263088226318	auprc: 0.5619525421543462
	auroc:	0.5847767593340341	ap: 0.5521703027143618
	time:	28.014368057250977	
137			
138 39	loss:	1.344355583190918	auprc: 0.5650535085651891
	auroc:	0.5886954030901094	ap: 0.5553218167792706
139 39	loss:	1.344355583190918	auprc: 0.5686322083855154
	auroc:	0.5911097442352642	ap: 0.5585590939495355
	time:	28.037319898605347	
140			
141 40	loss:	1.3399240970611572	auprc: 0.5729533875178024
	auroc:	0.5959274710809582	ap: 0.5618053073925315
142 40	loss:	1.3399240970611572	auprc: 0.5764913026654239
	auroc:	0.5981018746065422	ap: 0.565020031913304
	time:	29.05016016960144	
143			
144 41	loss:	1.3355398178100586	auprc: 0.5806129592865756
	auroc:	0.6026580513202121	ap: 0.5687455826388287
145 41	loss:	1.3355398178100586	auprc: 0.5840993959323783
	auroc:	0.6048928962065862	ap: 0.5719435035753921
	time:	29.59592890739441	
146			
147 42	loss:	1.3310236930847168	auprc: 0.5869553947284974
	auroc:	0.6078886443509106	ap: 0.5746376114675632
148 42	loss:	1.3310236930847168	auprc: 0.5907367067338423
	auroc:	0.6102963771738102	ap: 0.5780641138584448
	time:	30.352442979812622	
149			
150 43	loss:	1.3262187242507935	auprc: 0.5941090420001665
	auroc:	0.6131339312267561	ap: 0.5801902258644729
151 43	loss:	1.3262187242507935	auprc: 0.5975352622849784
	auroc:	0.6151538257857136	ap: 0.5834007176746506
	time:	31.305743932724	
152			
153 44	loss:	1.3216302394866943	auprc: 0.5999213807082963
	auroc:	0.6169179006748506	ap: 0.5850004743670225
154 44	loss:	1.3216302394866943	auprc: 0.6037844036283067
	auroc:	0.6192759457874226	ap: 0.5885878346703983
	time:	31.651294946670532	
155			
156 45	loss:	1.3165730237960815	auprc: 0.6072489214387965
	auroc:	0.6227449284173912	ap: 0.5917165253338461
157 45	loss:	1.3165730237960815	auprc: 0.6107030486146177
	auroc:	0.6248557125562129	ap: 0.5950158961221899
	time:	31.534591913223267	
158			
159 46	loss:	1.3117375373840332	auprc: 0.6141273358988454

159	auroc:	0.6280851763792653	ap:	0.5980336052831756
160 46	loss:	1.3117375373840332	auprc:	0.617629787325055
	auroc:	0.6304526521600452	ap:	0.6013769926448297
	time:	29.594171047210693		
161				
162 47	loss:	1.3064544200897217	auprc:	0.6208199089523405
	auroc:	0.634563048515846	ap:	0.606192448965176
163 47	loss:	1.3064544200897217	auprc:	0.6238934025389619
	auroc:	0.6367761549576637	ap:	0.609343334936084
	time:	30.750715255737305		
164				
165 48	loss:	1.3012090921401978	auprc:	0.6257745982341902
	auroc:	0.6396435787835162	ap:	0.6140490266563328
166 48	loss:	1.3012090921401978	auprc:	0.6288884008976536
	auroc:	0.6420578165517596	ap:	0.6171012060153742
	time:	32.54131197929382		
167				
168 49	loss:	1.2956960201263428	auprc:	0.6315513648601285
	auroc:	0.6444506787939781	ap:	0.6199118953975012
169 49	loss:	1.2956960201263428	auprc:	0.6342019058139393
	auroc:	0.6465702940829445	ap:	0.6224229858104023
	time:	30.14017367362976		
170				
171 50	loss:	1.29000723361969	auprc:	0.6369230371121332
	auroc:	0.6491693107400788	ap:	0.6251532752727534
172 50	loss:	1.29000723361969	auprc:	0.6392183932421958
	auroc:	0.6510538874922334	ap:	0.627434830546032
	time:	30.11684823036194		
173				
174 51	loss:	1.2842518091201782	auprc:	0.6419108317225165
	auroc:	0.65384610025622	ap:	0.6301629560623534
175 51	loss:	1.2842518091201782	auprc:	0.6441086904390847
	auroc:	0.6558139289041793	ap:	0.6324840221894842
	time:	30.047059774398804		
176				
177 52	loss:	1.2783722877502441	auprc:	0.6469395417227788
	auroc:	0.6587612914429943	ap:	0.6349875183263265
178 52	loss:	1.2783722877502441	auprc:	0.6490399965294859
	auroc:	0.6605286005023282	ap:	0.6370904667314478
	time:	30.416253805160522		
179				
180 53	loss:	1.2726402282714844	auprc:	0.6517630211688111
	auroc:	0.6630655348140326	ap:	0.6399409230459051
181 53	loss:	1.2726402282714844	auprc:	0.6533800453880811
	auroc:	0.664593576064391	ap:	0.6415648631006098
	time:	30.509833812713623		
182				
183 54	loss:	1.2670211791992188	auprc:	0.656598232092112
	auroc:	0.6676278478874772	ap:	0.6449321721468625
184 54	loss:	1.2670211791992188	auprc:	0.6581465523727638
	auroc:	0.6692981826108093	ap:	0.6465349675075359

184	time:	31.02473020553589	
185			
186 55	loss:	1.261863350868225	auprc: 0.6614848189625481
	auroc:	0.6721864005397088	ap: 0.6498018944299131
187 55	loss:	1.261863350868225	auprc: 0.6631639378675389
	auroc:	0.6738782935832592	ap: 0.6515106538789406
	time:	35.346511125564575	
188			
189 56	loss:	1.2565827369689941	auprc: 0.6661928310574312
	auroc:	0.675916890726095	ap: 0.6546818086823826
190 56	loss:	1.2565827369689941	auprc: 0.6676887483195946
	auroc:	0.6773074416651267	ap: 0.6562254749485387
	time:	31.396496772766113	
191			
192 57	loss:	1.251126766204834	auprc: 0.6712829470796342
	auroc:	0.6800315016131863	ap: 0.6599681270488958
193 57	loss:	1.251126766204834	auprc: 0.6725783331195188
	auroc:	0.6813446210428113	ap: 0.6613271174238207
	time:	30.61974310874939	
194			
195 58	loss:	1.2458770275115967	auprc: 0.6767550005806671
	auroc:	0.6845238171146846	ap: 0.6651638990901423
196 58	loss:	1.2458770275115967	auprc: 0.6775317181741507
	auroc:	0.685203992925313	ap: 0.6659883637649597
	time:	31.330098867416382	
197			
198 59	loss:	1.2413560152053833	auprc: 0.6811225476356311
	auroc:	0.6879821157456402	ap: 0.6695246289933101
199 59	loss:	1.2413560152053833	auprc: 0.6820385128747903
	auroc:	0.6888104596599439	ap: 0.6705759029572741
	time:	31.02192783355713	
200			
201 60	loss:	1.2365021705627441	auprc: 0.6854371591754473
	auroc:	0.6915353342590244	ap: 0.6739331766123371
202 60	loss:	1.2365021705627441	auprc: 0.686182421712354
	auroc:	0.6921901883935598	ap: 0.6747310809935357
	time:	31.159770011901855	
203			
204 61	loss:	1.232245683670044	auprc: 0.689500952330097
	auroc:	0.6950423462880501	ap: 0.6779363246561478
205 61	loss:	1.232245683670044	auprc: 0.6902357090492083
	auroc:	0.6957045693374373	ap: 0.6787488950934256
	time:	32.77200198173523	
206			
207 62	loss:	1.2275651693344116	auprc: 0.6934095070514524
	auroc:	0.6983135748506876	ap: 0.6814865618170937
208 62	loss:	1.2275651693344116	auprc: 0.694037453673566
	auroc:	0.6988636870536746	ap: 0.6822083219210788
	time:	31.30313491821289	
209			
210 63	loss:	1.223799467086792	auprc: 0.696878485429427

210	auroc: 0.7012542630759989	ap: 0.6849501531820611
211 63	loss: 1.223799467086792 auroc: 0.7019184517563614 time: 30.551489114761353	auprc: 0.6975590563680495 ap: 0.6857140472066099
212		
213 64	loss: 1.2198269367218018 auroc: 0.7035885004395813	auprc: 0.6996339018798595 ap: 0.6880354923471916
214 64	loss: 1.2198269367218018 auroc: 0.70437513762093 time: 32.383594036102295	auprc: 0.700528681092237 ap: 0.6889777800924017
215		
216 65	loss: 1.215653419494629 auroc: 0.7058906490981718	auprc: 0.7025965748642171 ap: 0.6911385498128642
217 65	loss: 1.215653419494629 auroc: 0.7064527281939139 time: 33.33696794509888	auprc: 0.7031875574461836 ap: 0.6917557064545132
218		
219 66	loss: 1.2120444774627686 auroc: 0.7087313034640668	auprc: 0.7056856804527195 ap: 0.6942372683529016
220 66	loss: 1.2120444774627686 auroc: 0.7090934012960051 time: 31.779433012008667	auprc: 0.7061624291819174 ap: 0.6947575569939208
221		
222 67	loss: 1.208594560623169 auroc: 0.7107466145702365	auprc: 0.7082225758830634 ap: 0.6968261410441496
223 67	loss: 1.208594560623169 auroc: 0.7110547787188095 time: 31.117526054382324	auprc: 0.7087400418541812 ap: 0.6973130804048077
224		
225 68	loss: 1.2054246664047241 auroc: 0.7128119816372874	auprc: 0.7107530954245621 ap: 0.6991604611263503
226 68	loss: 1.2054246664047241 auroc: 0.7130018226143605 time: 33.07410478591919	auprc: 0.7112066757558833 ap: 0.699655784013698
227		
228 69	loss: 1.2024314403533936 auroc: 0.7147214274428434	auprc: 0.7132418575095963 ap: 0.7012621301020938
229 69	loss: 1.2024314403533936 auroc: 0.7148293998975146 time: 33.54003381729126	auprc: 0.713514657385436 ap: 0.7015857558000098
230		
231 70	loss: 1.2001373767852783 auroc: 0.7162510738654819	auprc: 0.7150272373114008 ap: 0.7029442315196169
232 70	loss: 1.2001373767852783 auroc: 0.7163925371036405 time: 31.328988790512085	auprc: 0.7154905907547169 ap: 0.7034524202632028
233		
234 71	loss: 1.1974934339523315 auroc: 0.7180993721482604	auprc: 0.7170872758910966 ap: 0.7048945900485425
235 71	loss: 1.1974934339523315 auroc: 0.7183514304635478	auprc: 0.71757805733452 ap: 0.7054107404617233

235	time:	31.32060432434082	
236			
237	72	loss: 1.1946747303009033 auroc: 0.7202458621064636	auprc: 0.7193852990265706 ap: 0.7071877307042955
238	72	loss: 1.1946747303009033 auroc: 0.7199738830728887	auprc: 0.7193130901037514 ap: 0.7071824322728758
		time: 32.04633116722107	
239			
240	73	loss: 1.1926121711730957 auroc: 0.7216138825483228	auprc: 0.7206955020279323 ap: 0.7086454296227963
241	73	loss: 1.1926121711730957 auroc: 0.7215250198349669	auprc: 0.7209336916894401 ap: 0.7088916682100088
		time: 30.658995151519775	
242			
243	74	loss: 1.1902552843093872 auroc: 0.7232546934440155	auprc: 0.7224048476050473 ap: 0.7102040162536667
244	74	loss: 1.1902552843093872 auroc: 0.7232066224458089	auprc: 0.7226630597586242 ap: 0.7104207172542923
		time: 29.806079864501953	
245			
246	75	loss: 1.1881401538848877 auroc: 0.7252755374133315	auprc: 0.724332295884059 ap: 0.7119970790557293
247	75	loss: 1.1881401538848877 auroc: 0.7250620097297175	auprc: 0.72441736674775 ap: 0.7121576661832385
		time: 31.227349996566772	
248			
249	76	loss: 1.1859111785888672 auroc: 0.7269206082740909	auprc: 0.7259242449051717 ap: 0.7136805633930992
250	76	loss: 1.1859111785888672 auroc: 0.7266696163366433	auprc: 0.7260005566727112 ap: 0.7138777130462854
		time: 31.155368089675903	
251			
252	77	loss: 1.1834895610809326 auroc: 0.7281210929940433	auprc: 0.7273370680880866 ap: 0.7153354654752485
253	77	loss: 1.1834895610809326 auroc: 0.7277450326516023	auprc: 0.7273171297592478 ap: 0.7153321203493124
		time: 30.45436382293701	
254			
255	78	loss: 1.1815664768218994 auroc: 0.7294940213686129	auprc: 0.7287639458009716 ap: 0.7168753276127516
256	78	loss: 1.1815664768218994 auroc: 0.7290492440206978	auprc: 0.7286348402356558 ap: 0.716785289094164
		time: 30.749797105789185	
257			
258	79	loss: 1.1798245906829834 auroc: 0.7304940056093105	auprc: 0.7298347466869527 ap: 0.7178736349583551
259	79	loss: 1.1798245906829834 auroc: 0.7300796792678211	auprc: 0.729822463013569 ap: 0.7179732712846386
260			
261	80	loss: 1.1779130697250366	auprc: 0.7308384433813088

261	auroc: 0.731320405746984	ap: 0.718806084091199
262 80	loss: 1.1779130697250366 auroc: 0.7309905358854925 time: 30.007050037384033	auprc: 0.7309520211630375 ap: 0.7189170538330861
263		
264 81	loss: 1.176105260848999 auroc: 0.7324178933384806	auprc: 0.7320714750440862 ap: 0.7199147626350559
265 81	loss: 1.176105260848999 auroc: 0.7319162809856203 time: 32.452353954315186	auprc: 0.7320908424989331 ap: 0.7199266768511403
266		
267 82	loss: 1.1744755506515503 auroc: 0.733026710209373	auprc: 0.7331052900756828 ap: 0.7208696962493768
268 82	loss: 1.1744755506515503 auroc: 0.7325408909238896 time: 30.80037021636963	auprc: 0.7331336343282772 ap: 0.7206752404244908
269		
270 83	loss: 1.1726438999176025 auroc: 0.7337351066832198	auprc: 0.7341780110171308 ap: 0.721739736142449
271 83	loss: 1.1726438999176025 auroc: 0.7331216940877787 time: 32.051647901535034	auprc: 0.7340456761803776 ap: 0.7216229668660802
272		
273 84	loss: 1.1716125011444092 auroc: 0.7345439865388397	auprc: 0.7350059958401064 ap: 0.7223330538280966
274 84	loss: 1.1716125011444092 auroc: 0.7341898149151223 time: 31.10465383529663	auprc: 0.7351801168831789 ap: 0.7225284159355201
275		
276 85	loss: 1.1702227592468262 auroc: 0.7356661157685579	auprc: 0.7361690382139114 ap: 0.7234077815838326
277 85	loss: 1.1702227592468262 auroc: 0.7351991715040892 time: 31.77099084854126	auprc: 0.7361531879258515 ap: 0.7234392325684448
278		
279 86	loss: 1.1687830686569214 auroc: 0.7366952725694981	auprc: 0.7371114516734792 ap: 0.7244308712258282
280 86	loss: 1.1687830686569214 auroc: 0.7362527039072029 time: 30.420204162597656	auprc: 0.737111728157314 ap: 0.7244693567443795
281		
282 87	loss: 1.167428970336914 auroc: 0.7370856857003816	auprc: 0.7377402305193805 ap: 0.7253748755263025
283 87	loss: 1.167428970336914 auroc: 0.7365704760870786 time: 30.2881441116333	auprc: 0.7377192303438057 ap: 0.72528956386941
284		
285 88	loss: 1.1664111614227295 auroc: 0.7374782013704982	auprc: 0.7384286613578983 ap: 0.7260007440048032
286 88	loss: 1.1664111614227295 auroc: 0.7371045530813579	auprc: 0.738470762472618 ap: 0.7260589020888066

286	time:	29.856022119522095	
287			
288 89	loss:	1.1650493144989014	auprc: 0.73915410172973
	auroc:	0.7379632881581321	ap: 0.72657232836214
289 89	loss:	1.1650493144989014	auprc: 0.7391775951035215
	auroc:	0.7374930814741689	ap: 0.726584601843924
	time:	29.564786911010742	
290			
291 90	loss:	1.164085865020752	auprc: 0.7397773397355202
	auroc:	0.7385591032350909	ap: 0.727164560924299
292 90	loss:	1.164085865020752	auprc: 0.7399657020500905
	auroc:	0.7380191046276857	ap: 0.7272774473633313
	time:	30.121390104293823	
293			
294 91	loss:	1.162562370300293	auprc: 0.7408106372938188
	auroc:	0.7393793874793929	ap: 0.7281923920726763
295 91	loss:	1.162562370300293	auprc: 0.7408411697567308
	auroc:	0.7388506842438836	ap: 0.7282141577439601
	time:	29.562515020370483	
296			
297 92	loss:	1.161510944366455	auprc: 0.7415159192941008
	auroc:	0.7400034037895333	ap: 0.728839482141986
298 92	loss:	1.161510944366455	auprc: 0.7415372709839145
	auroc:	0.7395193839545342	ap: 0.7288581833115814
	time:	29.3852698802948	
299			
300 93	loss:	1.1602730751037598	auprc: 0.7421559428624057
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301 93	loss:	1.1602730751037598	auprc: 0.7421367081746358
	auroc:	0.740124913363301	ap: 0.7293013018902806
	time:	29.84754204750061	
302			
303 94	loss:	1.1592259407043457	auprc: 0.742805497107474
	auroc:	0.7412679370754228	ap: 0.7299146274731102
304 94	loss:	1.1592259407043457	auprc: 0.742799961209283
	auroc:	0.7407850331524926	ap: 0.7298716408813517
	time:	29.16263699531555	
305			
306 95	loss:	1.15769362449646	auprc: 0.7440034960073637
	auroc:	0.7424308879805965	ap: 0.7310801782620653
307 95	loss:	1.15769362449646	auprc: 0.7436698148713773
	auroc:	0.741710836003426	ap: 0.7308670570773055
	time:	30.70965886116028	
308			
309 96	loss:	1.1570053100585938	auprc: 0.7443068047357251
	auroc:	0.7425687235540036	ap: 0.7314173727724252
310 96	loss:	1.1570053100585938	auprc: 0.7444439196439658
	auroc:	0.742235186527834	ap: 0.7315250179437423
	time:	28.37041187286377	
311			
312 97	loss:	1.1559669971466064	auprc: 0.7448991880443904

```

312     auroc: 0.7427804947597759      ap: 0.7318132161473746
313 97     loss: 1.1559669971466064    auprc: 0.7450330032043849
          auroc: 0.7424556493124316    ap: 0.7319011292090646
          time: 28.429980039596558

314
315 98     loss: 1.1546839475631714    auprc: 0.7458474859161827
          auroc: 0.7434897954149416    ap: 0.7327983055336376
316 98     loss: 1.1546839475631714    auprc: 0.7456764276859419
          auroc: 0.7429481031798247    ap: 0.7326515844561916
          time: 29.29944086074829

317
318 99     loss: 1.1542049646377563    auprc: 0.7459526335582307
          auroc: 0.7435808065787304    ap: 0.7329613273045991
319 99     loss: 1.1542049646377563    auprc: 0.7461525113155493
          auroc: 0.7432745032753282    ap: 0.7331612307299207
          time: 29.292716026306152

320
321 Traceback (most recent call last):
322   File "/Users/nyxfer/anaconda3/envs/HGCN/lib/python3.6/
          site-packages/IPython/core/interactiveshell.py", line 3325
          , in run_code
323       exec(code_obj, self.user_global_ns, self.user_ns)
324   File "<ipython-input-2-fc39c1de887d>", line 1, in <
          module>
325       runfile('/Users/nyxfer/Docu/FM-PSEP/test/pd_net.py',
          wdir='/Users/nyxfer/Docu/FM-PSEP/test')
326   File "/Applications/PyCharm.app/Contents/helpers/pydev/
          _pydev_bundle/pydev_umd.py", line 197, in runfile
327       pydev_imports.execfile(filename, global_vars,
          local_vars) # execute the script
328   File "/Applications/PyCharm.app/Contents/helpers/pydev/
          _pydev_imps/_pydev_execfile.py", line 18, in execfile
329       exec(compile(contents+"\n", file, 'exec'), glob, loc)
330   File "/Users/nyxfer/Docu/FM-PSEP/test/pd_net.py", line
          238, in <module>
            torch.save(model.state_dict(), filepath_state)
331   File "/Users/nyxfer/anaconda3/envs/HGCN/lib/python3.6/
          site-packages/torch/serialization.py", line 224, in save
332       return _with_file_like(f, "wb", lambda f: _save(obj, f
          , pickle_module, pickle_protocol))
333   File "/Users/nyxfer/anaconda3/envs/HGCN/lib/python3.6/
          site-packages/torch/serialization.py", line 147, in
          _with_file_like
334       f = open(f, mode)
335 FileNotFoundError: [Errno 2] No such file or directory
          : '../out/pd-32-16-8-16-963/100ep.pth'
336
337

```