

```

1 ssh://sangsq@10.50.221.195:22/home/sangsq/anaconda3/bin/python -u /home/sangsq/.pycharm_helpers/pydev/pydevconsole.py --mode=server
2
3 import sys; print('Python %s on %s' % (sys.version, sys.platform))
4 sys.path.extend(['~/home/sangsq/flower/PSEP', '/home/sangsq/flower/PSEP'])
5
6 Python 3.7.3 (default, Mar 27 2019, 22:11:17)
7 Type 'copyright', 'credits' or 'license' for more information
8 IPython 7.4.0 -- An enhanced Interactive Python. Type '?' for help.
9 PyDev console: using IPython 7.4.0
10
11 Python 3.7.3 (default, Mar 27 2019, 22:11:17)
12 [GCC 7.3.0] on linux
13 In[2]: runfile('/home/sangsq/flower/PSEP/model/distmult.py', wdir='/home/sangsq/flower/PSEP/model')
14 loading data
15 remove 0 isolated drugs: []
16 remove finished
17 963 polypharmacy side effects
18 data has been loaded
19 cuda
20 model training ...
21   0    loss:1.4452    auprc:0.5035    euroc:0.5000    ap@50:0.5041
22   0    loss:1.4452    auprc:0.5048    euroc:0.5000    ap@50:0.5085    time:30.1
23
24   1    loss:1.4394    auprc:0.5048    euroc:0.5014    ap@50:0.5054
25   1    loss:1.4394    auprc:0.5058    euroc:0.5014    ap@50:0.5096    time:29.4
26
27   2    loss:1.4340    auprc:0.5061    euroc:0.5033    ap@50:0.5066
28   2    loss:1.4340    auprc:0.5069    euroc:0.5028    ap@50:0.5107    time:28.9
29
30   3    loss:1.4292    auprc:0.5075    euroc:0.5048    ap@50:0.5081
31   3    loss:1.4292    auprc:0.5082    euroc:0.5043    ap@50:0.5119    time:28.8
32
33   4    loss:1.4246    auprc:0.5092    euroc:0.5071    ap@50:0.5098
34   4    loss:1.4246    auprc:0.5094    euroc:0.5060    ap@50:0.5132    time:29.3
35
36   5    loss:1.4205    auprc:0.5108    euroc:0.5090    ap@50:0.5113
37   5    loss:1.4205    auprc:0.5108    euroc:0.5078    ap@50:0.5146    time:28.8
38
39   6    loss:1.4168    auprc:0.5127    euroc:0.5114    ap@50:0.5133
40   6    loss:1.4168    auprc:0.5124    euroc:0.5098    ap@50:0.5162    time:28.3
41
42   7    loss:1.4130    auprc:0.5147    euroc:0.5140    ap@50:0.5153
43   7    loss:1.4130    auprc:0.5142    euroc:0.5120    ap@50:0.5179    time:28.7
44
45   8    loss:1.4097    auprc:0.5170    euroc:0.5169    ap@50:0.5176
46   8    loss:1.4097    auprc:0.5161    euroc:0.5146    ap@50:0.5199    time:29.2
47
48   9    loss:1.4065    auprc:0.5199    euroc:0.5202    ap@50:0.5205
49   9    loss:1.4065    auprc:0.5184    euroc:0.5174    ap@50:0.5221    time:28.8
50
51  10    loss:1.4034    auprc:0.5226    euroc:0.5237    ap@50:0.5232
52  10    loss:1.4034    auprc:0.5208    euroc:0.5205    ap@50:0.5246    time:29.3
53
54  11    loss:1.4005    auprc:0.5259    euroc:0.5275    ap@50:0.5264
55  11    loss:1.4005    auprc:0.5237    euroc:0.5241    ap@50:0.5274    time:28.8
56
57  12    loss:1.3976    auprc:0.5293    euroc:0.5319    ap@50:0.5299
58  12    loss:1.3976    auprc:0.5269    euroc:0.5281    ap@50:0.5306    time:29.8
59
60  13    loss:1.3947    auprc:0.5337    euroc:0.5372    ap@50:0.5343

```

61	13	loss:1.3947	auprc:0.5305	euroc:0.5326	ap@50:0.5342	time:28.8
62						
63	14	loss:1.3918	auprc:0.5381	euroc:0.5424	ap@50:0.5386	
64	14	loss:1.3918	auprc:0.5344	euroc:0.5375	ap@50:0.5381	time:28.3
65						
66	15	loss:1.3887	auprc:0.5435	euroc:0.5487	ap@50:0.5440	
67	15	loss:1.3887	auprc:0.5388	euroc:0.5430	ap@50:0.5425	time:29.2
68						
69	16	loss:1.3858	auprc:0.5488	euroc:0.5554	ap@50:0.5494	
70	16	loss:1.3858	auprc:0.5437	euroc:0.5489	ap@50:0.5473	time:29.8
71						
72	17	loss:1.3825	auprc:0.5552	euroc:0.5626	ap@50:0.5557	
73	17	loss:1.3825	auprc:0.5489	euroc:0.5552	ap@50:0.5525	time:29.3
74						
75	18	loss:1.3792	auprc:0.5620	euroc:0.5705	ap@50:0.5625	
76	18	loss:1.3792	auprc:0.5546	euroc:0.5620	ap@50:0.5582	time:28.8
77						
78	19	loss:1.3756	auprc:0.5695	euroc:0.5791	ap@50:0.5700	
79	19	loss:1.3756	auprc:0.5606	euroc:0.5692	ap@50:0.5642	time:28.4
80						
81	20	loss:1.3718	auprc:0.5772	euroc:0.5878	ap@50:0.5777	
82	20	loss:1.3718	auprc:0.5670	euroc:0.5768	ap@50:0.5705	time:29.2
83						
84	21	loss:1.3678	auprc:0.5854	euroc:0.5969	ap@50:0.5858	
85	21	loss:1.3678	auprc:0.5738	euroc:0.5847	ap@50:0.5773	time:29.7
86						
87	22	loss:1.3635	auprc:0.5940	euroc:0.6064	ap@50:0.5944	
88	22	loss:1.3635	auprc:0.5808	euroc:0.5929	ap@50:0.5842	time:28.3
89						
90	23	loss:1.3588	auprc:0.6030	euroc:0.6162	ap@50:0.6034	
91	23	loss:1.3588	auprc:0.5882	euroc:0.6014	ap@50:0.5916	time:29.2
92						
93	24	loss:1.3539	auprc:0.6128	euroc:0.6265	ap@50:0.6132	
94	24	loss:1.3539	auprc:0.5957	euroc:0.6101	ap@50:0.5991	time:28.3
95						
96	25	loss:1.3485	auprc:0.6226	euroc:0.6369	ap@50:0.6230	
97	25	loss:1.3485	auprc:0.6036	euroc:0.6189	ap@50:0.6069	time:29.7
98						
99	26	loss:1.3428	auprc:0.6327	euroc:0.6476	ap@50:0.6330	
100	26	loss:1.3428	auprc:0.6116	euroc:0.6279	ap@50:0.6148	time:29.3
101						
102	27	loss:1.3367	auprc:0.6430	euroc:0.6580	ap@50:0.6433	
103	27	loss:1.3367	auprc:0.6198	euroc:0.6369	ap@50:0.6229	time:29.4
104						
105	28	loss:1.3302	auprc:0.6532	euroc:0.6688	ap@50:0.6535	
106	28	loss:1.3302	auprc:0.6279	euroc:0.6459	ap@50:0.6310	time:28.7
107						
108	29	loss:1.3234	auprc:0.6632	euroc:0.6790	ap@50:0.6634	
109	29	loss:1.3234	auprc:0.6361	euroc:0.6549	ap@50:0.6390	time:29.7
110						
111	30	loss:1.3161	auprc:0.6739	euroc:0.6895	ap@50:0.6741	
112	30	loss:1.3161	auprc:0.6441	euroc:0.6637	ap@50:0.6470	time:28.7
113						
114	31	loss:1.3084	auprc:0.6841	euroc:0.6999	ap@50:0.6842	
115	31	loss:1.3084	auprc:0.6521	euroc:0.6723	ap@50:0.6549	time:28.8
116						
117	32	loss:1.3004	auprc:0.6936	euroc:0.7096	ap@50:0.6937	
118	32	loss:1.3004	auprc:0.6599	euroc:0.6808	ap@50:0.6626	time:28.3
119						
120	33	loss:1.2918	auprc:0.7035	euroc:0.7193	ap@50:0.7036	
121	33	loss:1.2918	auprc:0.6676	euroc:0.6890	ap@50:0.6702	time:28.6
122						

123	34	loss:1.2830	auprc:0.7130	euroc:0.7284	ap@50:0.7130	
124	34	loss:1.2830	auprc:0.6751	euroc:0.6969	ap@50:0.6776	time:29.2
125						
126	35	loss:1.2736	auprc:0.7226	euroc:0.7379	ap@50:0.7226	
127	35	loss:1.2736	auprc:0.6822	euroc:0.7046	ap@50:0.6847	time:29.6
128						
129	36	loss:1.2639	auprc:0.7316	euroc:0.7467	ap@50:0.7316	
130	36	loss:1.2639	auprc:0.6892	euroc:0.7120	ap@50:0.6916	time:28.7
131						
132	37	loss:1.2538	auprc:0.7401	euroc:0.7549	ap@50:0.7401	
133	37	loss:1.2538	auprc:0.6959	euroc:0.7190	ap@50:0.6982	time:28.7
134						
135	38	loss:1.2434	auprc:0.7486	euroc:0.7630	ap@50:0.7485	
136	38	loss:1.2434	auprc:0.7025	euroc:0.7259	ap@50:0.7047	time:28.6
137						
138	39	loss:1.2326	auprc:0.7569	euroc:0.7710	ap@50:0.7568	
139	39	loss:1.2326	auprc:0.7087	euroc:0.7325	ap@50:0.7108	time:28.7
140						
141	40	loss:1.2217	auprc:0.7640	euroc:0.7780	ap@50:0.7639	
142	40	loss:1.2217	auprc:0.7147	euroc:0.7387	ap@50:0.7167	time:29.1
143						
144	41	loss:1.2104	auprc:0.7718	euroc:0.7853	ap@50:0.7716	
145	41	loss:1.2104	auprc:0.7204	euroc:0.7447	ap@50:0.7224	time:28.2
146						
147	42	loss:1.1990	auprc:0.7788	euroc:0.7920	ap@50:0.7785	
148	42	loss:1.1990	auprc:0.7259	euroc:0.7503	ap@50:0.7278	time:29.2
149						
150	43	loss:1.1873	auprc:0.7855	euroc:0.7983	ap@50:0.7853	
151	43	loss:1.1873	auprc:0.7311	euroc:0.7557	ap@50:0.7329	time:28.1
152						
153	44	loss:1.1755	auprc:0.7918	euroc:0.8041	ap@50:0.7915	
154	44	loss:1.1755	auprc:0.7360	euroc:0.7608	ap@50:0.7378	time:29.1
155						
156	45	loss:1.1641	auprc:0.7973	euroc:0.8097	ap@50:0.7970	
157	45	loss:1.1641	auprc:0.7409	euroc:0.7657	ap@50:0.7425	time:29.5
158						
159	46	loss:1.1519	auprc:0.8030	euroc:0.8150	ap@50:0.8027	
160	46	loss:1.1519	auprc:0.7454	euroc:0.7704	ap@50:0.7471	time:29.1
161						
162	47	loss:1.1400	auprc:0.8085	euroc:0.8203	ap@50:0.8081	
163	47	loss:1.1400	auprc:0.7497	euroc:0.7748	ap@50:0.7513	time:28.7
164						
165	48	loss:1.1281	auprc:0.8139	euroc:0.8253	ap@50:0.8134	
166	48	loss:1.1281	auprc:0.7539	euroc:0.7791	ap@50:0.7554	time:28.5
167						
168	49	loss:1.1162	auprc:0.8186	euroc:0.8298	ap@50:0.8181	
169	49	loss:1.1162	auprc:0.7578	euroc:0.7831	ap@50:0.7592	time:28.6
170						
171	50	loss:1.1044	auprc:0.8230	euroc:0.8340	ap@50:0.8224	
172	50	loss:1.1044	auprc:0.7615	euroc:0.7869	ap@50:0.7629	time:28.6
173						
174	51	loss:1.0928	auprc:0.8275	euroc:0.8383	ap@50:0.8269	
175	51	loss:1.0928	auprc:0.7651	euroc:0.7905	ap@50:0.7664	time:28.7
176						
177	52	loss:1.0815	auprc:0.8314	euroc:0.8420	ap@50:0.8307	
178	52	loss:1.0815	auprc:0.7685	euroc:0.7940	ap@50:0.7697	time:28.0
179						
180	53	loss:1.0702	auprc:0.8354	euroc:0.8457	ap@50:0.8347	
181	53	loss:1.0702	auprc:0.7718	euroc:0.7973	ap@50:0.7729	time:28.6
182						
183	54	loss:1.0590	auprc:0.8390	euroc:0.8492	ap@50:0.8382	
184	54	loss:1.0590	auprc:0.7749	euroc:0.8005	ap@50:0.7760	time:29.0

185						
186	55	loss:1.0480	auprc:0.8428	euroc:0.8527	ap@50:0.8420	
187	55	loss:1.0480	auprc:0.7778	euroc:0.8035	ap@50:0.7789	time:28.5
188						
189	56	loss:1.0376	auprc:0.8459	euroc:0.8558	ap@50:0.8450	
190	56	loss:1.0376	auprc:0.7807	euroc:0.8064	ap@50:0.7817	time:29.1
191						
192	57	loss:1.0272	auprc:0.8491	euroc:0.8588	ap@50:0.8482	
193	57	loss:1.0272	auprc:0.7834	euroc:0.8091	ap@50:0.7844	time:28.9
194						
195	58	loss:1.0173	auprc:0.8524	euroc:0.8618	ap@50:0.8514	
196	58	loss:1.0173	auprc:0.7860	euroc:0.8117	ap@50:0.7869	time:29.0
197						
198	59	loss:1.0075	auprc:0.8549	euroc:0.8644	ap@50:0.8539	
199	59	loss:1.0075	auprc:0.7885	euroc:0.8142	ap@50:0.7893	time:29.0
200						
201	60	loss:0.9979	auprc:0.8579	euroc:0.8671	ap@50:0.8569	
202	60	loss:0.9979	auprc:0.7909	euroc:0.8166	ap@50:0.7917	time:28.9
203						
204	61	loss:0.9891	auprc:0.8604	euroc:0.8695	ap@50:0.8593	
205	61	loss:0.9891	auprc:0.7931	euroc:0.8188	ap@50:0.7939	time:28.0
206						
207	62	loss:0.9801	auprc:0.8629	euroc:0.8719	ap@50:0.8617	
208	62	loss:0.9801	auprc:0.7953	euroc:0.8210	ap@50:0.7960	time:28.9
209						
210	63	loss:0.9718	auprc:0.8649	euroc:0.8740	ap@50:0.8637	
211	63	loss:0.9718	auprc:0.7974	euroc:0.8231	ap@50:0.7980	time:28.0
212						
213	64	loss:0.9634	auprc:0.8673	euroc:0.8762	ap@50:0.8660	
214	64	loss:0.9634	auprc:0.7994	euroc:0.8251	ap@50:0.8000	time:28.5
215						
216	65	loss:0.9549	auprc:0.8696	euroc:0.8785	ap@50:0.8683	
217	65	loss:0.9549	auprc:0.8013	euroc:0.8270	ap@50:0.8018	time:27.9
218						
219	66	loss:0.9478	auprc:0.8714	euroc:0.8802	ap@50:0.8700	
220	66	loss:0.9478	auprc:0.8032	euroc:0.8289	ap@50:0.8036	time:29.4
221						
222	67	loss:0.9405	auprc:0.8733	euroc:0.8820	ap@50:0.8718	
223	67	loss:0.9405	auprc:0.8050	euroc:0.8306	ap@50:0.8053	time:28.9
224						
225	68	loss:0.9334	auprc:0.8749	euroc:0.8837	ap@50:0.8734	
226	68	loss:0.9334	auprc:0.8066	euroc:0.8322	ap@50:0.8070	time:28.9
227						
228	69	loss:0.9264	auprc:0.8770	euroc:0.8855	ap@50:0.8754	
229	69	loss:0.9264	auprc:0.8083	euroc:0.8338	ap@50:0.8085	time:28.0
230						
231	70	loss:0.9202	auprc:0.8785	euroc:0.8870	ap@50:0.8769	
232	70	loss:0.9202	auprc:0.8098	euroc:0.8353	ap@50:0.8100	time:28.3
233						
234	71	loss:0.9140	auprc:0.8803	euroc:0.8886	ap@50:0.8785	
235	71	loss:0.9140	auprc:0.8113	euroc:0.8368	ap@50:0.8114	time:28.4
236						
237	72	loss:0.9082	auprc:0.8816	euroc:0.8900	ap@50:0.8798	
238	72	loss:0.9082	auprc:0.8126	euroc:0.8381	ap@50:0.8127	time:28.8
239						
240	73	loss:0.9024	auprc:0.8828	euroc:0.8913	ap@50:0.8810	
241	73	loss:0.9024	auprc:0.8141	euroc:0.8395	ap@50:0.8141	time:28.9
242						
243	74	loss:0.8969	auprc:0.8844	euroc:0.8927	ap@50:0.8825	
244	74	loss:0.8969	auprc:0.8153	euroc:0.8407	ap@50:0.8153	time:28.6
245						
246	75	loss:0.8917	auprc:0.8852	euroc:0.8936	ap@50:0.8833	

247	75	loss:0.8917	auprc:0.8166	euroc:0.8419	ap@50:0.8166	time:29.1
248						
249	76	loss:0.8867	auprc:0.8867	euroc:0.8950	ap@50:0.8847	
250	76	loss:0.8867	auprc:0.8178	euroc:0.8430	ap@50:0.8177	time:29.2
251						
252	77	loss:0.8815	auprc:0.8880	euroc:0.8963	ap@50:0.8860	
253	77	loss:0.8815	auprc:0.8189	euroc:0.8442	ap@50:0.8188	time:28.2
254						
255	78	loss:0.8772	auprc:0.8890	euroc:0.8972	ap@50:0.8869	
256	78	loss:0.8772	auprc:0.8200	euroc:0.8452	ap@50:0.8198	time:28.3
257						
258	79	loss:0.8730	auprc:0.8900	euroc:0.8983	ap@50:0.8878	
259	79	loss:0.8730	auprc:0.8211	euroc:0.8463	ap@50:0.8208	time:29.3
260						
261	80	loss:0.8686	auprc:0.8910	euroc:0.8992	ap@50:0.8888	
262	80	loss:0.8686	auprc:0.8220	euroc:0.8472	ap@50:0.8217	time:28.8
263						
264	81	loss:0.8645	auprc:0.8921	euroc:0.9003	ap@50:0.8898	
265	81	loss:0.8645	auprc:0.8231	euroc:0.8482	ap@50:0.8227	time:28.8
266						
267	82	loss:0.8606	auprc:0.8928	euroc:0.9011	ap@50:0.8905	
268	82	loss:0.8606	auprc:0.8239	euroc:0.8490	ap@50:0.8235	time:28.2
269						
270	83	loss:0.8570	auprc:0.8935	euroc:0.9018	ap@50:0.8912	
271	83	loss:0.8570	auprc:0.8248	euroc:0.8498	ap@50:0.8244	time:28.8
272						
273	84	loss:0.8535	auprc:0.8945	euroc:0.9027	ap@50:0.8921	
274	84	loss:0.8535	auprc:0.8256	euroc:0.8507	ap@50:0.8251	time:27.9
275						
276	85	loss:0.8500	auprc:0.8953	euroc:0.9036	ap@50:0.8927	
277	85	loss:0.8500	auprc:0.8265	euroc:0.8515	ap@50:0.8259	time:27.8
278						
279	86	loss:0.8470	auprc:0.8960	euroc:0.9043	ap@50:0.8934	
280	86	loss:0.8470	auprc:0.8272	euroc:0.8521	ap@50:0.8266	time:27.9
281						
282	87	loss:0.8433	auprc:0.8968	euroc:0.9050	ap@50:0.8941	
283	87	loss:0.8433	auprc:0.8280	euroc:0.8528	ap@50:0.8273	time:27.8
284						
285	88	loss:0.8408	auprc:0.8972	euroc:0.9055	ap@50:0.8945	
286	88	loss:0.8408	auprc:0.8287	euroc:0.8535	ap@50:0.8279	time:29.3
287						
288	89	loss:0.8380	auprc:0.8979	euroc:0.9062	ap@50:0.8951	
289	89	loss:0.8380	auprc:0.8293	euroc:0.8541	ap@50:0.8286	time:29.2
290						
291	90	loss:0.8352	auprc:0.8984	euroc:0.9067	ap@50:0.8956	
292	90	loss:0.8352	auprc:0.8300	euroc:0.8547	ap@50:0.8292	time:27.7
293						
294	91	loss:0.8326	auprc:0.8988	euroc:0.9072	ap@50:0.8960	
295	91	loss:0.8326	auprc:0.8306	euroc:0.8553	ap@50:0.8297	time:28.3
296						
297	92	loss:0.8301	auprc:0.8995	euroc:0.9078	ap@50:0.8967	
298	92	loss:0.8301	auprc:0.8311	euroc:0.8558	ap@50:0.8303	time:28.2
299						
300	93	loss:0.8275	auprc:0.8999	euroc:0.9083	ap@50:0.8970	
301	93	loss:0.8275	auprc:0.8317	euroc:0.8564	ap@50:0.8309	time:27.9
302						
303	94	loss:0.8250	auprc:0.9006	euroc:0.9090	ap@50:0.8976	
304	94	loss:0.8250	auprc:0.8323	euroc:0.8570	ap@50:0.8314	time:28.2
305						
306	95	loss:0.8225	auprc:0.9013	euroc:0.9096	ap@50:0.8983	
307	95	loss:0.8225	auprc:0.8329	euroc:0.8575	ap@50:0.8318	time:28.3
308						

File - unknown

```
309 96    loss:0.8207    auprc:0.9014    euroc:0.9098    ap@50:0.8983
310 96    loss:0.8207    auprc:0.8334    euroc:0.8580    ap@50:0.8323    time:27.8
311
312 97    loss:0.8182    auprc:0.9021    euroc:0.9104    ap@50:0.8989
313 97    loss:0.8182    auprc:0.8339    euroc:0.8584    ap@50:0.8327    time:27.8
314
315 98    loss:0.8164    auprc:0.9024    euroc:0.9108    ap@50:0.8992
316 98    loss:0.8164    auprc:0.8344    euroc:0.8589    ap@50:0.8332    time:27.8
317
318 99    loss:0.8145    auprc:0.9027    euroc:0.9111    ap@50:0.8994
319 99    loss:0.8145    auprc:0.8348    euroc:0.8593    ap@50:0.8336    time:27.7
320
321
322 Process finished with exit code -1
323
```