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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/dd_rgcn_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:1.3869 auprc:0.5037 auroc:0.4998 ap@50:0.5042
22 0 loss:1.3869 auprc:0.5068 auroc:0.5021 ap@50:0.5106 time:82.5
23
24 1 loss:1.3863 auprc:0.5066 auroc:0.5023 ap@50:0.5072
25 1 loss:1.3863 auprc:0.5086 auroc:0.5034 ap@50:0.5124 time:81.1
26
27 2 loss:1.3861 auprc:0.5149 auroc:0.5087 ap@50:0.5148
28 2 loss:1.3861 auprc:0.5151 auroc:0.5097 ap@50:0.5183 time:80.3
29
30 3 loss:1.3857 auprc:0.5274 auroc:0.5179 ap@50:0.5272
31 3 loss:1.3857 auprc:0.5255 auroc:0.5192 ap@50:0.5284 time:80.5
32
33 4 loss:1.3847 auprc:0.5429 auroc:0.5293 ap@50:0.5433
34 4 loss:1.3847 auprc:0.5383 auroc:0.5305 ap@50:0.5415 time:81.1
35
36 5 loss:1.3829 auprc:0.5611 auroc:0.5426 ap@50:0.5615
37 5 loss:1.3829 auprc:0.5535 auroc:0.5433 ap@50:0.5566 time:80.6
38
39 6 loss:1.3801 auprc:0.5806 auroc:0.5582 ap@50:0.5810
40 6 loss:1.3801 auprc:0.5693 auroc:0.5576 ap@50:0.5722 time:80.2
41
42 7 loss:1.3755 auprc:0.5992 auroc:0.5754 ap@50:0.5995
43 7 loss:1.3755 auprc:0.5843 auroc:0.5732 ap@50:0.5870 time:80.8
44
45 8 loss:1.3684 auprc:0.6172 auroc:0.5937 ap@50:0.6175
46 8 loss:1.3684 auprc:0.5992 auroc:0.5896 ap@50:0.6018 time:81.1
47
48 9 loss:1.3580 auprc:0.6364 auroc:0.6140 ap@50:0.6367
49 9 loss:1.3580 auprc:0.6147 auroc:0.6075 ap@50:0.6171 time:80.6
50
51 10 loss:1.3435 auprc:0.6560 auroc:0.6351 ap@50:0.6563
52 10 loss:1.3435 auprc:0.6316 auroc:0.6269 ap@50:0.6340 time:81.0
53
54 11 loss:1.3242 auprc:0.6770 auroc:0.6583 ap@50:0.6773
55 11 loss:1.3242 auprc:0.6498 auroc:0.6480 ap@50:0.6520 time:80.6
56
57 12 loss:1.2997 auprc:0.6983 auroc:0.6828 ap@50:0.6985
58 12 loss:1.2997 auprc:0.6687 auroc:0.6706 ap@50:0.6708 time:81.4
59
60 13 loss:1.2705 auprc:0.7209 auroc:0.7089 ap@50:0.7211

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61	13	loss:1.2705	auprc:0.6893	euroc:0.6948	ap@50:0.6914	time:80.5
62						
63	14	loss:1.2378	auprc:0.7448	euroc:0.7358	ap@50:0.7450	
64	14	loss:1.2378	auprc:0.7111	euroc:0.7198	ap@50:0.7131	time:80.0
65						
66	15	loss:1.2033	auprc:0.7673	euroc:0.7613	ap@50:0.7675	
67	15	loss:1.2033	auprc:0.7319	euroc:0.7432	ap@50:0.7337	time:80.9
68						
69	16	loss:1.1680	auprc:0.7889	euroc:0.7851	ap@50:0.7890	
70	16	loss:1.1680	auprc:0.7519	euroc:0.7644	ap@50:0.7535	time:81.3
71						
72	17	loss:1.1324	auprc:0.8091	euroc:0.8058	ap@50:0.8091	
73	17	loss:1.1324	auprc:0.7701	euroc:0.7831	ap@50:0.7716	time:80.9
74						
75	18	loss:1.0984	auprc:0.8281	euroc:0.8253	ap@50:0.8280	
76	18	loss:1.0984	auprc:0.7869	euroc:0.8002	ap@50:0.7881	time:80.4
77						
78	19	loss:1.0659	auprc:0.8451	euroc:0.8426	ap@50:0.8448	
79	19	loss:1.0659	auprc:0.8018	euroc:0.8154	ap@50:0.8029	time:79.9
80						
81	20	loss:1.0352	auprc:0.8593	euroc:0.8575	ap@50:0.8591	
82	20	loss:1.0352	auprc:0.8149	euroc:0.8286	ap@50:0.8159	time:80.7
83						
84	21	loss:1.0070	auprc:0.8737	euroc:0.8724	ap@50:0.8736	
85	21	loss:1.0070	auprc:0.8272	euroc:0.8414	ap@50:0.8282	time:81.3
86						
87	22	loss:0.9806	auprc:0.8852	euroc:0.8845	ap@50:0.8851	
88	22	loss:0.9806	auprc:0.8358	euroc:0.8507	ap@50:0.8367	time:79.9
89						
90	23	loss:0.9572	auprc:0.8956	euroc:0.8964	ap@50:0.8955	
91	23	loss:0.9572	auprc:0.8434	euroc:0.8598	ap@50:0.8443	time:80.9
92						
93	24	loss:0.9373	auprc:0.8984	euroc:0.8993	ap@50:0.8984	
94	24	loss:0.9373	auprc:0.8459	euroc:0.8624	ap@50:0.8468	time:79.9
95						
96	25	loss:0.9121	auprc:0.9070	euroc:0.9099	ap@50:0.9069	
97	25	loss:0.9121	auprc:0.8523	euroc:0.8711	ap@50:0.8531	time:81.2
98						
99	26	loss:0.8898	auprc:0.9113	euroc:0.9154	ap@50:0.9112	
100	26	loss:0.8898	auprc:0.8559	euroc:0.8757	ap@50:0.8567	time:80.8
101						
102	27	loss:0.8714	auprc:0.9130	euroc:0.9174	ap@50:0.9130	
103	27	loss:0.8714	auprc:0.8572	euroc:0.8771	ap@50:0.8580	time:80.8
104						
105	28	loss:0.8492	auprc:0.9177	euroc:0.9236	ap@50:0.9175	
106	28	loss:0.8492	auprc:0.8606	euroc:0.8816	ap@50:0.8614	time:80.4
107						
108	29	loss:0.8336	auprc:0.9209	euroc:0.9279	ap@50:0.9207	
109	29	loss:0.8336	auprc:0.8630	euroc:0.8849	ap@50:0.8637	time:81.2
110						
111	30	loss:0.8156	auprc:0.9206	euroc:0.9277	ap@50:0.9204	
112	30	loss:0.8156	auprc:0.8628	euroc:0.8848	ap@50:0.8636	time:80.4
113						
114	31	loss:0.8002	auprc:0.9222	euroc:0.9297	ap@50:0.9220	
115	31	loss:0.8002	auprc:0.8643	euroc:0.8868	ap@50:0.8651	time:80.5
116						
117	32	loss:0.7867	auprc:0.9257	euroc:0.9344	ap@50:0.9256	
118	32	loss:0.7867	auprc:0.8669	euroc:0.8900	ap@50:0.8676	time:82.8
119						
120	33	loss:0.7718	auprc:0.9266	euroc:0.9354	ap@50:0.9265	
121	33	loss:0.7718	auprc:0.8678	euroc:0.8909	ap@50:0.8685	time:80.8
122						

123	34	loss:0.7610	auprc:0.9270	euroc:0.9358	ap@50:0.9269	
124	34	loss:0.7610	auprc:0.8682	euroc:0.8914	ap@50:0.8690	time:81.0
125						
126	35	loss:0.7482	auprc:0.9295	euroc:0.9388	ap@50:0.9294	
127	35	loss:0.7482	auprc:0.8700	euroc:0.8937	ap@50:0.8708	time:81.4
128						
129	36	loss:0.7377	auprc:0.9312	euroc:0.9406	ap@50:0.9312	
130	36	loss:0.7377	auprc:0.8712	euroc:0.8951	ap@50:0.8720	time:80.4
131						
132	37	loss:0.7273	auprc:0.9313	euroc:0.9409	ap@50:0.9313	
133	37	loss:0.7273	auprc:0.8715	euroc:0.8953	ap@50:0.8723	time:80.3
134						
135	38	loss:0.7157	auprc:0.9329	euroc:0.9426	ap@50:0.9329	
136	38	loss:0.7157	auprc:0.8726	euroc:0.8968	ap@50:0.8735	time:80.9
137						
138	39	loss:0.7068	auprc:0.9345	euroc:0.9445	ap@50:0.9345	
139	39	loss:0.7068	auprc:0.8737	euroc:0.8981	ap@50:0.8745	time:80.9
140						
141	40	loss:0.6976	auprc:0.9347	euroc:0.9448	ap@50:0.9347	
142	40	loss:0.6976	auprc:0.8741	euroc:0.8986	ap@50:0.8750	time:81.1
143						
144	41	loss:0.6881	auprc:0.9359	euroc:0.9461	ap@50:0.9359	
145	41	loss:0.6881	auprc:0.8749	euroc:0.8995	ap@50:0.8757	time:80.0
146						
147	42	loss:0.6808	auprc:0.9369	euroc:0.9473	ap@50:0.9370	
148	42	loss:0.6808	auprc:0.8756	euroc:0.9004	ap@50:0.8764	time:81.5
149						
150	43	loss:0.6723	auprc:0.9374	euroc:0.9478	ap@50:0.9375	
151	43	loss:0.6723	auprc:0.8760	euroc:0.9007	ap@50:0.8768	time:80.1
152						
153	44	loss:0.6643	auprc:0.9380	euroc:0.9485	ap@50:0.9380	
154	44	loss:0.6643	auprc:0.8765	euroc:0.9013	ap@50:0.8773	time:80.7
155						
156	45	loss:0.6587	auprc:0.9385	euroc:0.9492	ap@50:0.9386	
157	45	loss:0.6587	auprc:0.8768	euroc:0.9019	ap@50:0.8777	time:81.4
158						
159	46	loss:0.6531	auprc:0.9387	euroc:0.9494	ap@50:0.9387	
160	46	loss:0.6531	auprc:0.8771	euroc:0.9021	ap@50:0.8780	time:81.1
161						
162	47	loss:0.6460	auprc:0.9395	euroc:0.9502	ap@50:0.9395	
163	47	loss:0.6460	auprc:0.8776	euroc:0.9027	ap@50:0.8784	time:80.6
164						
165	48	loss:0.6403	auprc:0.9397	euroc:0.9506	ap@50:0.9398	
166	48	loss:0.6403	auprc:0.8779	euroc:0.9031	ap@50:0.8787	time:81.5
167						
168	49	loss:0.6351	auprc:0.9401	euroc:0.9510	ap@50:0.9401	
169	49	loss:0.6351	auprc:0.8782	euroc:0.9034	ap@50:0.8790	time:81.4
170						
171	50	loss:0.6317	auprc:0.9403	euroc:0.9515	ap@50:0.9404	
172	50	loss:0.6317	auprc:0.8784	euroc:0.9038	ap@50:0.8793	time:81.4
173						
174	51	loss:0.6277	auprc:0.9407	euroc:0.9517	ap@50:0.9407	
175	51	loss:0.6277	auprc:0.8786	euroc:0.9039	ap@50:0.8795	time:81.6
176						
177	52	loss:0.6241	auprc:0.9409	euroc:0.9521	ap@50:0.9409	
178	52	loss:0.6241	auprc:0.8789	euroc:0.9043	ap@50:0.8797	time:80.9
179						
180	53	loss:0.6189	auprc:0.9411	euroc:0.9523	ap@50:0.9411	
181	53	loss:0.6189	auprc:0.8791	euroc:0.9045	ap@50:0.8799	time:81.4
182						
183	54	loss:0.6146	auprc:0.9414	euroc:0.9527	ap@50:0.9414	
184	54	loss:0.6146	auprc:0.8794	euroc:0.9048	ap@50:0.8802	time:81.3

185						
186	55	loss:0.6118	auprc:0.9415	euroc:0.9530	ap@50:0.9416	
187	55	loss:0.6118	auprc:0.8797	euroc:0.9051	ap@50:0.8805	time:80.9
188						
189	56	loss:0.6101	auprc:0.9417	euroc:0.9532	ap@50:0.9418	
190	56	loss:0.6101	auprc:0.8801	euroc:0.9054	ap@50:0.8809	time:82.1
191						
192	57	loss:0.6084	auprc:0.9422	euroc:0.9535	ap@50:0.9422	
193	57	loss:0.6084	auprc:0.8804	euroc:0.9057	ap@50:0.8812	time:81.6
194						
195	58	loss:0.6061	auprc:0.9426	euroc:0.9539	ap@50:0.9426	
196	58	loss:0.6061	auprc:0.8807	euroc:0.9059	ap@50:0.8815	time:81.3
197						
198	59	loss:0.6032	auprc:0.9427	euroc:0.9540	ap@50:0.9427	
199	59	loss:0.6032	auprc:0.8807	euroc:0.9061	ap@50:0.8815	time:81.3
200						
201	60	loss:0.5996	auprc:0.9431	euroc:0.9543	ap@50:0.9431	
202	60	loss:0.5996	auprc:0.8809	euroc:0.9063	ap@50:0.8817	time:81.4
203						
204	61	loss:0.5974	auprc:0.9433	euroc:0.9545	ap@50:0.9433	
205	61	loss:0.5974	auprc:0.8810	euroc:0.9064	ap@50:0.8818	time:80.7
206						
207	62	loss:0.5964	auprc:0.9431	euroc:0.9545	ap@50:0.9431	
208	62	loss:0.5964	auprc:0.8811	euroc:0.9064	ap@50:0.8819	time:82.1
209						
210	63	loss:0.5962	auprc:0.9432	euroc:0.9545	ap@50:0.9432	
211	63	loss:0.5962	auprc:0.8813	euroc:0.9066	ap@50:0.8821	time:80.8
212						
213	64	loss:0.5958	auprc:0.9433	euroc:0.9547	ap@50:0.9434	
214	64	loss:0.5958	auprc:0.8811	euroc:0.9066	ap@50:0.8819	time:81.0
215						
216	65	loss:0.5952	auprc:0.9437	euroc:0.9549	ap@50:0.9437	
217	65	loss:0.5952	auprc:0.8814	euroc:0.9068	ap@50:0.8822	time:81.1
218						
219	66	loss:0.5942	auprc:0.9432	euroc:0.9547	ap@50:0.9433	
220	66	loss:0.5942	auprc:0.8812	euroc:0.9067	ap@50:0.8820	time:82.4
221						
222	67	loss:0.5903	auprc:0.9435	euroc:0.9549	ap@50:0.9435	
223	67	loss:0.5903	auprc:0.8814	euroc:0.9069	ap@50:0.8822	time:81.3
224						
225	68	loss:0.5879	auprc:0.9435	euroc:0.9550	ap@50:0.9436	
226	68	loss:0.5879	auprc:0.8814	euroc:0.9070	ap@50:0.8822	time:81.4
227						
228	69	loss:0.5881	auprc:0.9436	euroc:0.9551	ap@50:0.9436	
229	69	loss:0.5881	auprc:0.8814	euroc:0.9070	ap@50:0.8822	time:80.5
230						
231	70	loss:0.5890	auprc:0.9437	euroc:0.9552	ap@50:0.9438	
232	70	loss:0.5890	auprc:0.8817	euroc:0.9072	ap@50:0.8824	time:82.0
233						
234	71	loss:0.5869	auprc:0.9436	euroc:0.9552	ap@50:0.9436	
235	71	loss:0.5869	auprc:0.8816	euroc:0.9072	ap@50:0.8824	time:81.7
236						
237	72	loss:0.5847	auprc:0.9437	euroc:0.9554	ap@50:0.9438	
238	72	loss:0.5847	auprc:0.8818	euroc:0.9074	ap@50:0.8826	time:82.4
239						
240	73	loss:0.5844	auprc:0.9440	euroc:0.9556	ap@50:0.9440	
241	73	loss:0.5844	auprc:0.8819	euroc:0.9075	ap@50:0.8826	time:82.4
242						
243	74	loss:0.5853	auprc:0.9440	euroc:0.9556	ap@50:0.9440	
244	74	loss:0.5853	auprc:0.8816	euroc:0.9074	ap@50:0.8825	time:82.1
245						
246	75	loss:0.5843	auprc:0.9441	euroc:0.9557	ap@50:0.9442	

247	75	loss:0.5843	auprc:0.8819	euroc:0.9076	ap@50:0.8827	time:82.9
248						
249	76	loss:0.5826	auprc:0.9442	euroc:0.9557	ap@50:0.9443	
250	76	loss:0.5826	auprc:0.8817	euroc:0.9075	ap@50:0.8825	time:82.6
251						
252	77	loss:0.5812	auprc:0.9443	euroc:0.9559	ap@50:0.9443	
253	77	loss:0.5812	auprc:0.8818	euroc:0.9076	ap@50:0.8826	time:81.6
254						
255	78	loss:0.5815	auprc:0.9444	euroc:0.9559	ap@50:0.9445	
256	78	loss:0.5815	auprc:0.8819	euroc:0.9077	ap@50:0.8827	time:81.4
257						
258	79	loss:0.5819	auprc:0.9443	euroc:0.9559	ap@50:0.9444	
259	79	loss:0.5819	auprc:0.8817	euroc:0.9075	ap@50:0.8825	time:82.2
260						
261	80	loss:0.5815	auprc:0.9444	euroc:0.9560	ap@50:0.9445	
262	80	loss:0.5815	auprc:0.8819	euroc:0.9077	ap@50:0.8828	time:81.1
263						
264	81	loss:0.5803	auprc:0.9443	euroc:0.9559	ap@50:0.9443	
265	81	loss:0.5803	auprc:0.8817	euroc:0.9076	ap@50:0.8825	time:81.0
266						
267	82	loss:0.5794	auprc:0.9443	euroc:0.9559	ap@50:0.9443	
268	82	loss:0.5794	auprc:0.8818	euroc:0.9077	ap@50:0.8826	time:80.5
269						
270	83	loss:0.5788	auprc:0.9444	euroc:0.9560	ap@50:0.9444	
271	83	loss:0.5788	auprc:0.8818	euroc:0.9077	ap@50:0.8827	time:80.9
272						
273	84	loss:0.5797	auprc:0.9443	euroc:0.9559	ap@50:0.9444	
274	84	loss:0.5797	auprc:0.8817	euroc:0.9076	ap@50:0.8826	time:80.1
275						
276	85	loss:0.5800	auprc:0.9443	euroc:0.9560	ap@50:0.9444	
277	85	loss:0.5800	auprc:0.8820	euroc:0.9078	ap@50:0.8828	time:80.2
278						
279	86	loss:0.5797	auprc:0.9444	euroc:0.9560	ap@50:0.9445	
280	86	loss:0.5797	auprc:0.8818	euroc:0.9076	ap@50:0.8826	time:80.2
281						
282	87	loss:0.5784	auprc:0.9446	euroc:0.9562	ap@50:0.9447	
283	87	loss:0.5784	auprc:0.8820	euroc:0.9078	ap@50:0.8828	time:80.8
284						
285	88	loss:0.5783	auprc:0.9443	euroc:0.9560	ap@50:0.9444	
286	88	loss:0.5783	auprc:0.8819	euroc:0.9077	ap@50:0.8827	time:82.8
287						
288	89	loss:0.5776	auprc:0.9444	euroc:0.9561	ap@50:0.9444	
289	89	loss:0.5776	auprc:0.8820	euroc:0.9078	ap@50:0.8828	time:82.7
290						
291	90	loss:0.5773	auprc:0.9443	euroc:0.9560	ap@50:0.9444	
292	90	loss:0.5773	auprc:0.8819	euroc:0.9078	ap@50:0.8827	time:81.1
293						
294	91	loss:0.5773	auprc:0.9445	euroc:0.9561	ap@50:0.9445	
295	91	loss:0.5773	auprc:0.8819	euroc:0.9078	ap@50:0.8827	time:81.5
296						
297	92	loss:0.5775	auprc:0.9445	euroc:0.9562	ap@50:0.9446	
298	92	loss:0.5775	auprc:0.8820	euroc:0.9079	ap@50:0.8828	time:81.6
299						
300	93	loss:0.5772	auprc:0.9445	euroc:0.9561	ap@50:0.9445	
301	93	loss:0.5772	auprc:0.8819	euroc:0.9078	ap@50:0.8827	time:81.2
302						
303	94	loss:0.5773	auprc:0.9447	euroc:0.9562	ap@50:0.9447	
304	94	loss:0.5773	auprc:0.8821	euroc:0.9080	ap@50:0.8829	time:81.6
305						
306	95	loss:0.5773	auprc:0.9446	euroc:0.9562	ap@50:0.9446	
307	95	loss:0.5773	auprc:0.8819	euroc:0.9078	ap@50:0.8827	time:80.6
308						

File - unknown

```
309 96 loss:0.5779 auprc:0.9445 euroc:0.9562 ap@50:0.9446
310 96 loss:0.5779 auprc:0.8821 euroc:0.9080 ap@50:0.8829 time:80.2
311
312 97 loss:0.5770 auprc:0.9445 euroc:0.9561 ap@50:0.9445
313 97 loss:0.5770 auprc:0.8818 euroc:0.9078 ap@50:0.8826 time:80.2
314
315 98 loss:0.5766 auprc:0.9447 euroc:0.9563 ap@50:0.9447
316 98 loss:0.5766 auprc:0.8821 euroc:0.9081 ap@50:0.8829 time:80.7
317
318 99 loss:0.5761 auprc:0.9445 euroc:0.9562 ap@50:0.9445
319 99 loss:0.5761 auprc:0.8819 euroc:0.9079 ap@50:0.8827 time:81.1
320
321
322 Process finished with exit code 0
323
```