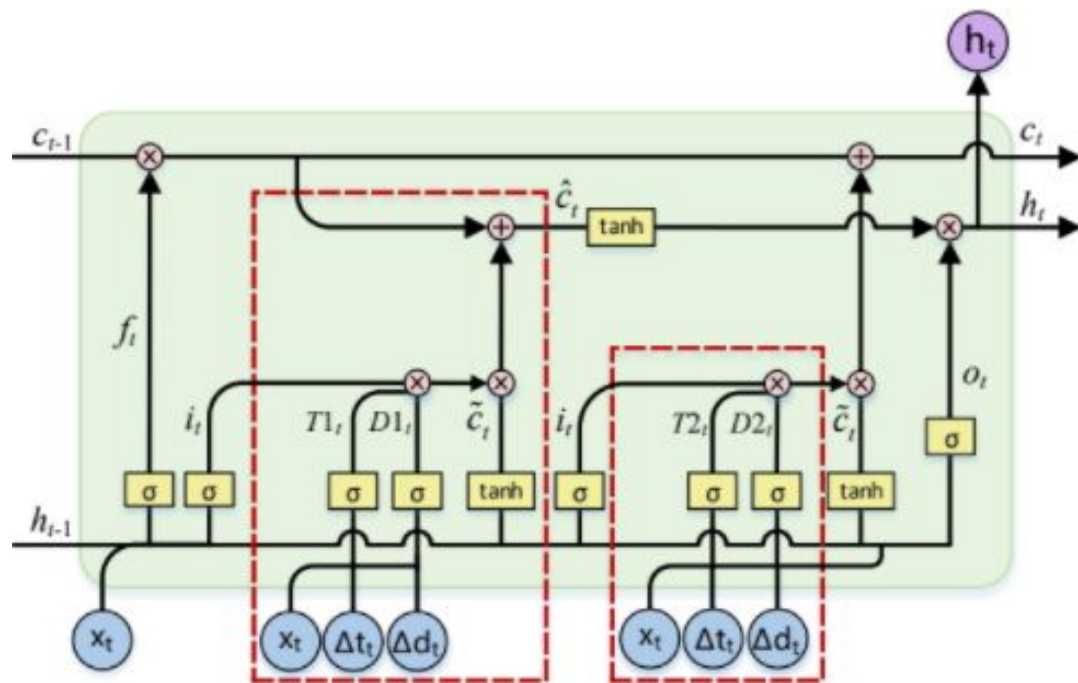




Where to Go Next: A Spatio-temporal LSTM model for Next POI Recommendation



題目



dataset: brightkite

Brightkite

#user:51,406

#POI:772,967

#Check-in: 4,747,288

[user]	[check-in time]	[latitude]	[longitude]	[location id]
58186	2008-12-03T21:09:14Z	39.633321	-105.317215	ee8b88dea22411
58186	2008-11-30T22:30:12Z	39.633321	-105.317215	ee8b88dea22411
58186	2008-11-28T17:55:04Z	-13.158333	-72.531389	e6e86be2a22411
58186	2008-11-26T17:08:25Z	39.633321	-105.317215	ee8b88dea22411
58187	2008-08-14T21:23:55Z	41.257924	-95.938081	4c2af967eb5df8
58187	2008-08-14T07:09:38Z	41.257924	-95.938081	4c2af967eb5df8
58187	2008-08-14T07:08:59Z	41.295474	-95.999814	f3bb9560a2532e
58187	2008-08-14T06:54:21Z	41.295474	-95.999814	f3bb9560a2532e
58188	2010-04-06T06:45:19Z	46.521389	14.854444	ddaa40aaa22411
58188	2008-12-30T15:30:08Z	46.522621	14.849618	58e12bc0d67e11

<https://snap.stanford.edu/data/loc-brightkite.html>

實作: pytorch

- # of epochs 15
1 epoch 20000 user check-ins
(we make use of all users' behavioral histories for training)
- hidden size 128
- optimizer Adam
learning rate 0.0001 ~ 0.000005

實驗結果

	paper	實驗結果
Acc@1	0.4389	0.1458
Acc@5	0.4807	0.1837
Acc@10	0.5035	0.2029

acc@1、acc@5、acc@10和acc@20

