



Experiment Results



GeoText Dataset

5.1 Statistic of two datasets

	GeoText ^l	Gowalla
# of total users	9,475	196,591
# of check-ins	377,616	6,442,890
# of distinct locations	46,320	1,256,396
Max # of check-ins of a user	301	2,175
Min # of check-ins of a user	17	1
Period	2010/3	2009/2–2010/10

^lThe dataset is also adopted by Q.Yuan et al. Who, where, when and what: discover spatio-temporal topics for twitter users. In ACM KDD, 2013.

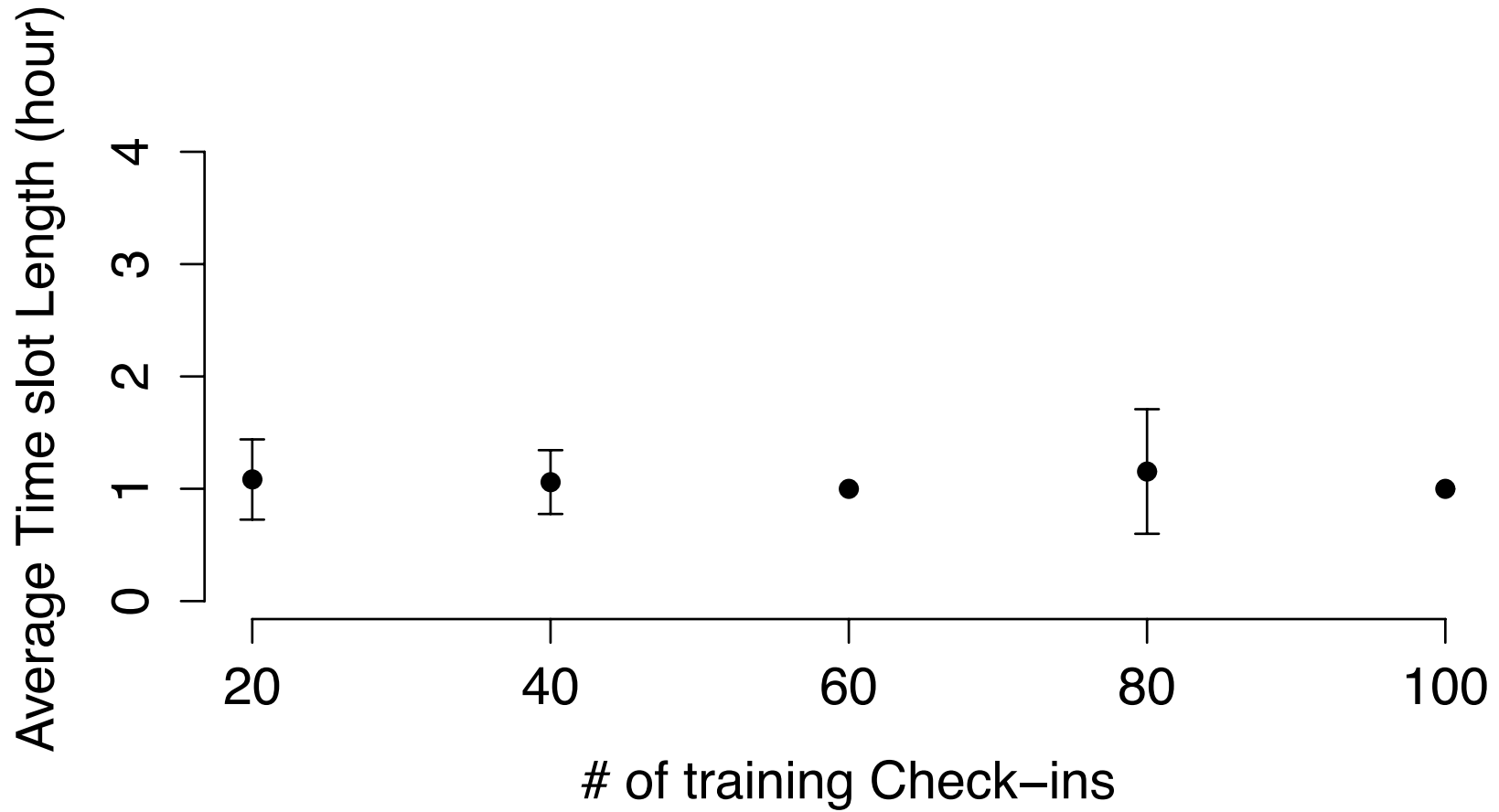
<http://www.ark.cs.cmu.edu/GeoText/>

5.1 Statistic of category

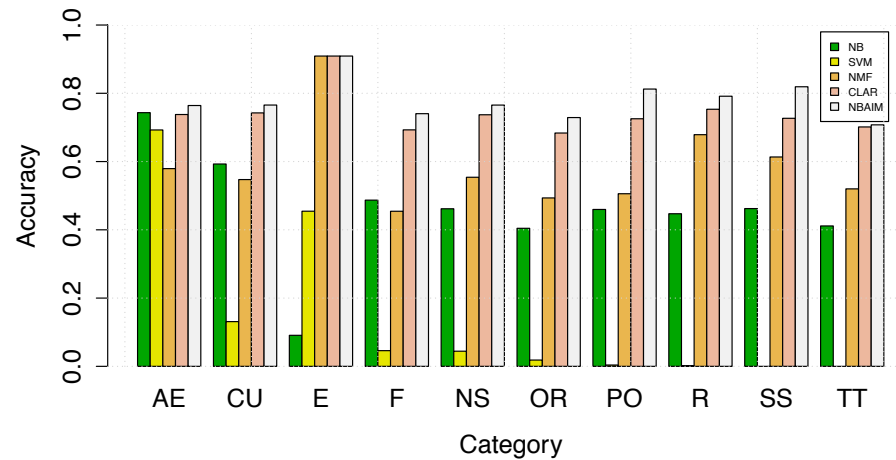
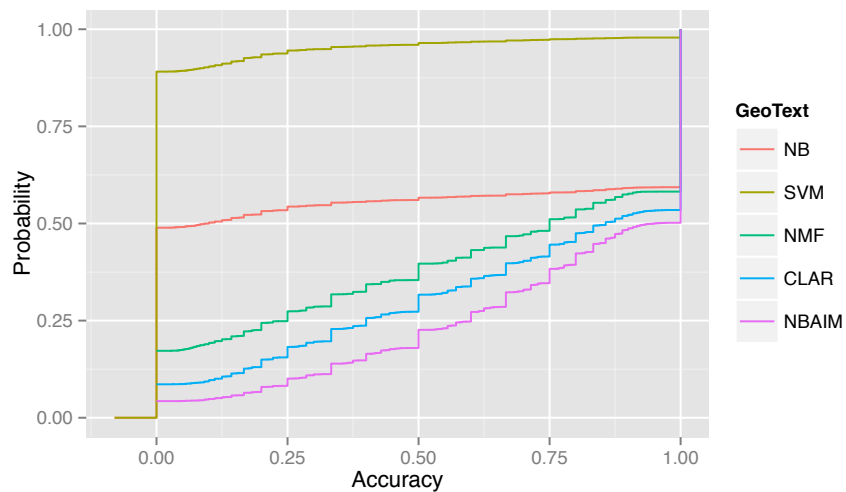
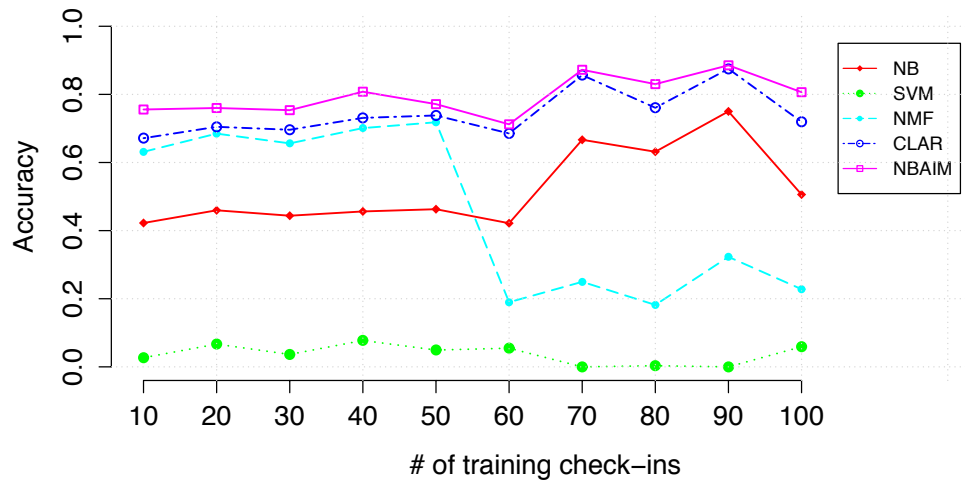
Activity Type ¹	GeoText	Gowalla
Arts & Entertainment (AE)	15,892	
Colleges & Universities (CU)	16,697	
Events (E)	106	
Food (F)	46,332	
Nightlife Spots (NS)	16,207	
Outdoors & Recreation (OR)	39,832	
Professional & Other Places (PO)	110,108	
Residences (R)	24,387	
Shops & Services (SS)	86,526	
Travel & Transport (TT)	21,520	
	377,607	

► ³ ¹<https://api.foursquare.com/v2/venues/search>

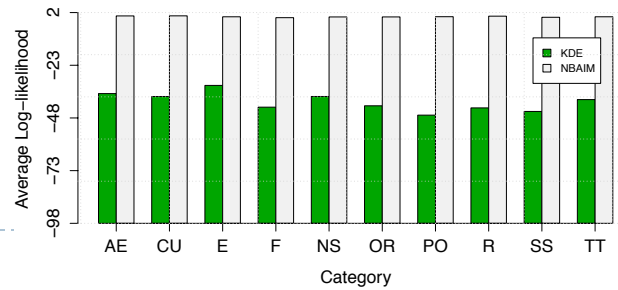
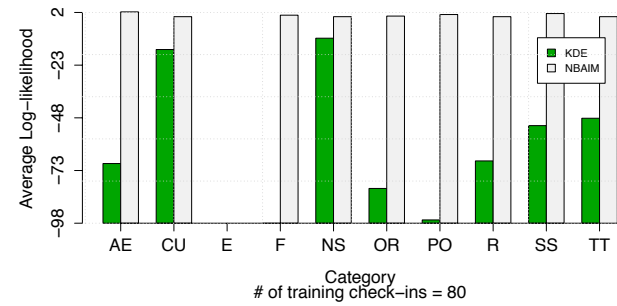
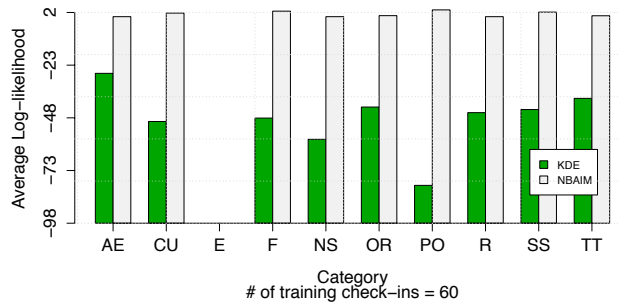
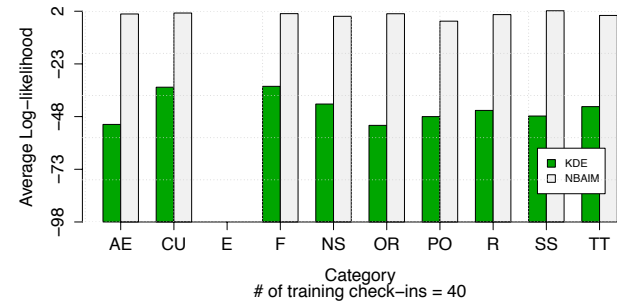
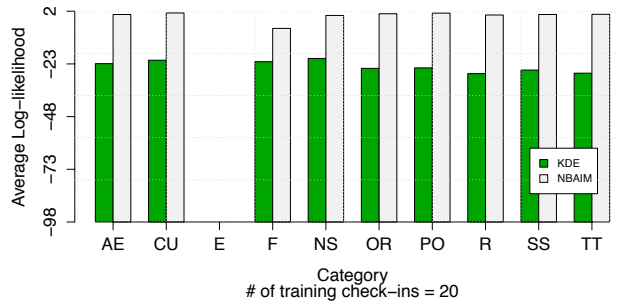
5.2



5.3



5.4



Thank You

