

e-mail : {ejyeo, big.choi, hyosang}@yonsei.ac.kr

# Design and Implementation of Recommending Potential Friends by Using Spatiotemporal Data

Eunji Yeo, Young-Hwan Choi, Hyo-Sang Lim  
Computer and Telecommunications Engineering Division, Yonsei University

Network Service : SNS)가 . 1990 SNS (Social  
가 . SNS  
,  
,  
가  
가  
가  
가

1.

가 .

(Social Network Service : 가  
SNS) 가  
. SNS 1990  
(World Wide Web) . 가 SNS  
(spatiotemporal data)

[1]. 2013 가  
6 (Facebook)

(Monthly Active Users: MAU)  
MAU 1,100  
63% 620 2

[2].  
SNS  
3  
(social connection)  
SNS 4

5

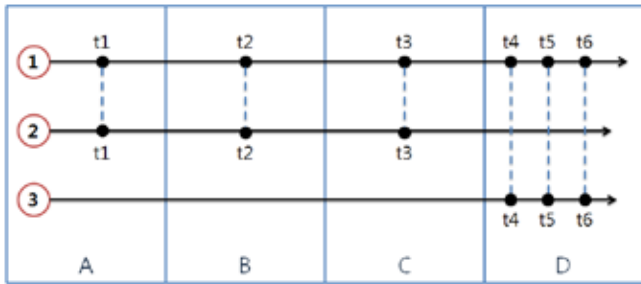
2.

가

가

가





2

가

가  
가

2 A, B, C

D

1 2 가

1 3

가

4.

[3]

가

가  
(check in)

SNS

u1

t1

A

3

< u1, t1, A >

가

가

2 3

3

3

3

Y 가

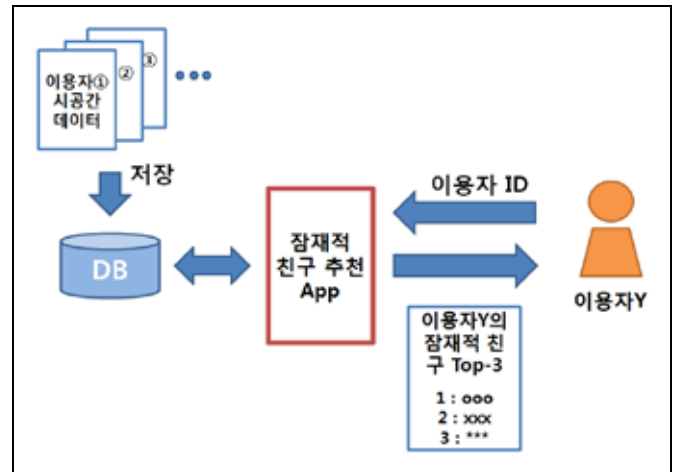
2

ID

가

가

top-k



3

5.

가

가

[1] Naver SNS : <http://terms.naver.com/entry.nhn?docId=1526243&cid=3619&categoryId=3624>

[2] : <http://www.facebook.com>

[3] Pham, Huy, Cyrus Shahabi, and Yan Liu. "EBM-An Entropy-Based Model to Infer Social Strength from Spatiotemporal Data." (2013).