Algorithms for collaborative filtering in **Point-of-Interest Recommendation Systems**

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POI recommendation

With the increasing popularity of GPS-

well as help LSBN providers design

Motivation

been widely studied and received

recommendation mostly focused on

social influence, the use of additional

directionally studied. Such additional

information can not only improve the

performance of the recommendation

system but also help to overcome the so-

content information has not been

called "cold start" problem.

Foursquare

active users

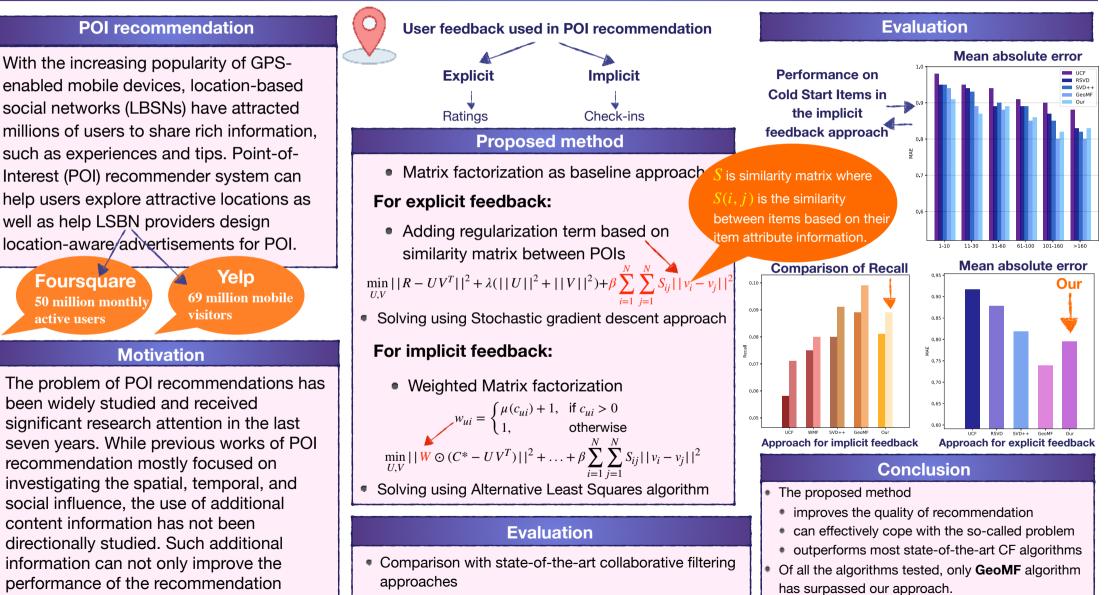
50 million monthly

Yelp

visitors



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- ➡ RSVD, WMF, SVD++, UCF and GeoMF
- Performance on Cold Start Items

→ consider using the geographical influence on users' check-in or rating behaviors