

References

- Bensoussan, B. E., and Fleisher, C. S. 2012. *Analysis Without Paralysis: 12 Tools to Make Better Strategic Decisions*. FT Press.
- Chang, J., and Sun, E. 2011. Location 3: How users share and respond to location-based data on social networking sites. *Proceedings of the ICWSM*.
- Cheng, Z.; Caverlee, J.; Lee, K.; and Sui, D. 2011. Exploring millions of footprints in location sharing services. In *Proceedings of the ICWSM*.
- Cheng, C.; Yang, H.; King, I.; and Lyu, M. 2012. Fused matrix factorization with geographical and social influence in location-based social networks. *AAAI, Canada*.
- Cheng, C.; Yang, H.; Lyu, M. R.; and King, I. 2013. Where you like to go next: Successive point-of-interest recommendation. In *Proceedings of the IJCAI*, 2605–2611.
- Cho, E.; Myers, S.; and Leskovec, J. 2011. Friendship and mobility: user movement in location-based social networks. In *Proceedings of the SIGKDD*, 1082–1090.
- Dingqi Yang, Daqing Zhang, Z. Y., and Wang, Z. 2013. A sentiment-enhanced personalized location recommendation system. *ACM Hypertext*.
- Gao, H., and Liu, H. 2014. Data analysis on location-based social networks. In *Mobile Social Networking*. Springer. 165–194.
- Gao, H.; Tang, J.; Hu, X.; and Liu, H. 2013. Exploring temporal effects for location recommendation on location-based social networks. In *Proceedings of the RecSys*, 93–100.
- Gao, H.; Tang, J.; and Liu, H. 2012. Exploring social-historical ties on location-based social networks. In *Proceedings of the ICWSM*.
- Hu, B., and Ester, M. 2013. Spatial topic modeling in online social media for location recommendation. In *Proceedings of the RecSys*, 25–32.
- Jorge Nocedal, S. W. 1999. *Numerical Optimization*. Springer.
- Koren, Y. 2008. Factorization meets the neighborhood: a multifaceted collaborative filtering model. In *Proceeding of the SIGKDD*, 426–434.
- Lee, D.; Seung, H.; et al. 1999. Learning the parts of objects by non-negative matrix factorization. *Nature* 401(6755):788–791.
- Li, Y.; Hu, J.; Zhai, C.; and Chen, Y. 2010. Improving one-class collaborative filtering by incorporating rich user information. In *Proceedings of the CIKM*, 959–968. ACM.
- Liu, B., and Xiong, H. 2013. Point-of-interest recommendation in location based social networks with topic and location awareness. *Proc. of SDM* 396–404.
- Liu, B.; Fu, Y.; Yao, Z.; and Xiong, H. 2013. Learning geographical preferences for point-of-interest recommendation. In *Proceedings of the SIGKDD*, 1043–1051. ACM.
- Liu, J.; Ji, S.; and Ye, J. 2009. Multi-task feature learning via efficient $l_2, 1$ -norm minimization. In *Proceedings of the UAI*, 339–348. AUAI Press.
- Long, X., and Joshi, J. 2013. A hits-based poi recommendation algorithm for location-based social networks. In *Proceedings of the ASONAM*, 642–647. ACM.
- Ma, H.; Yang, H.; Lyu, M.; and King, I. 2008. Sorec: social recommendation using probabilistic matrix factorization. In *Proceedings of the CIKM*, 931–940. ACM.
- Noulas, A.; Scellato, S.; Mascolo, C.; and Pontil, M. 2011. An empirical study of geographic user activity patterns in foursquare. *Proceeding of the ICWSM*.
- Paatero, P., and Tapper, U. 1994. Positive matrix factorization: A non-negative factor model with optimal utilization of error estimates of data values. *Environmetrics* (2).
- Pan, R., and Scholz, M. 2009. Mind the gaps: weighting the unknown in large-scale one-class collaborative filtering. In *Proceedings of the SIGKDD*, 667–676. ACM.
- Pan, R.; Zhou, Y.; Cao, B.; Liu, N. N.; Lukose, R.; Scholz, M.; and Yang, Q. 2008. One-class collaborative filtering. In *Proceeding of the ICDM*, 502–511. IEEE.
- Salakhutdinov, R., and Mnih, A. 2007. Probabilistic matrix factorization. In *NIPS*, volume 1, 2–1.
- Scellato, S.; Noulas, A.; Lambiotte, R.; and Mascolo, C. 2011. Socio-spatial properties of online location-based social networks. *Proceeding of the ICWSM* 11.
- Sridharan, S. 2001. *Usability and Reliability of the User Action Framework: A Theoretical Foundation for Usability Engineering Activities*. Ph.D. Dissertation, Citeseer.
- Tang, J.; Hu, X.; Gao, H.; and Liu, H. 2013. Exploiting local and global social context for recommendation. In *Proceedings of the IJCAI*, 2712–2718. AAAI Press.
- Ye, M.; Yin, P.; Lee, W.; and Lee, D. 2011. Exploiting geographical influence for collaborative point-of-interest recommendation. In *Proceeding of the SIGIR*, 325–334.
- Ye, M.; Liu, X.; and Lee, W. 2012. Exploring social influence for recommendation - a probabilistic generative approach. In *Proceeding of the SIGIR*, 325–334.
- Ye, M.; Yin, P.; and Lee, W. 2010. Location recommendation for location-based social networks. In *Proceedings of the SIGSPATIAL*, 458–461.
- Yin, H.; Sun, Y.; Cui, B.; Hu, Z.; and Chen, L. 2013. Lcars: a location-content-aware recommender system. In *Proceedings of the SIGKDD*, 221–229. ACM.
- Yuan, Q.; Cong, G.; Ma, Z.; Sun, A.; and Thalmann, N. M. 2013. Time-aware point-of-interest recommendation. In *Proceedings of the SIGIR*, 363–372. ACM.
- Zhang, C.; Shou, L.; Chen, K.; Chen, G.; and Bei, Y. 2012. Evaluating geo-social influence in location-based social networks. In *Proceedings of the CIKM*, 1442–1451. ACM.
- Zheng, Y., and Xie, X. 2011. Learning travel recommendations from user-generated gps traces. *TIST* 2(1):2.
- Zheng, Y.; Zhang, L.; Xie, X.; and Ma, W. 2009. Mining interesting locations and travel sequences from gps trajectories. In *WWW*, 791–800. ACM.
- Zhou, D.; Wang, B.; Rahimi, S.; and Wang, X. 2012. A study of recommending locations on location-based social network by collaborative filtering. *Proceeding of the AAI*.