





















- SONG, D. Joint link prediction and attribute inference using a social-attribute network. *ACM Transactions on Intelligent Systems and Technology (TIST)* 5, 2 (2014), 27.
- [6] JEBARA, T., WANG, J., AND CHANG, S.-F. Graph construction and b-matching for semi-supervised learning. In *Proceedings of the 26th Annual International Conference on Machine Learning* (2009), ACM, pp. 441–448.
- [7] LESKOVEC, J., RAJARAMAN, A., AND ULLMAN, J. D. *Mining of massive datasets*. Cambridge University Press, 2014.
- [8] LI, R., WANG, C., AND CHANG, K. C.-C. User profiling in an ego network: co-profiling attributes and relationships. In *WWW* (2014), pp. 819–830.
- [9] LI, Z., FANG, X., AND SHENG, O. R. L. A survey of link recommendation for social networks: Methods, theoretical foundations, and future research directions. *Theoretical Foundations, and Future Research Directions (October 28, 2015)* (2015).
- [10] LICHTENWALTER, R. N., LUSSIER, J. T., AND CHAWLA, N. V. New perspectives and methods in link prediction. In *Proceedings of the 16th ACM SIGKDD international conference on Knowledge discovery and data mining* (2010), ACM, pp. 243–252.
- [11] LIN, B., YANG, J., HE, X., AND YE, J. Geodesic distance function learning via heat flow on vector fields. In *Proceedings of the 31th International Conference on Machine Learning* (2014).
- [12] LIU, W., HE, J., AND CHANG, S.-F. Large graph construction for scalable semi-supervised learning. In *Proceedings of the 27th international conference on machine learning (ICML-10)* (2010), pp. 679–686.
- [13] MACSKASSY, S. A., AND PROVOST, F. A simple relational classifier. Tech. rep., DTIC Document, 2003.
- [14] MCAULEY, J. J., AND LESKOVEC, J. Learning to discover social circles in ego networks. In *NIPS* (2012), vol. 2012, pp. 548–56.
- [15] MCPHERSON, M., SMITH-LOVIN, L., AND COOK, J. M. Birds of a feather: Homophily in social networks. *Annual review of sociology* (2001), 415–444.
- [16] PAGE, L., BRIN, S., MOTWANI, R., AND WINOGRAD, T. The pagerank citation ranking: bringing order to the web.
- [17] REED, W. J. The pareto, zipf and other power laws. *Economics Letters* 74, 1 (2001), 15–19.
- [18] RODRIGUEZ, M. G., BALDUZZI, D., AND SCHÖLKOPF, B. Uncovering the temporal dynamics of diffusion networks. In *Proceedings of the 28th International Conference on Machine Learning* (2011).
- [19] ROSVALL, M., AND BERGSTROM, C. T. Maps of random walks on complex networks reveal community structure. *Proceedings of the National Academy of Sciences* 105, 4 (2008), 1118–1123.
- [20] RUAN, Y., FUHRY, D., AND PARTHASARATHY, S. Efficient community detection in large networks using content and links. In *WWW* (2013), pp. 1089–1098.
- [21] SHAABANI, E., ALEALI, A., SHAKARIAN, P., AND BERTEGTO, J. Early identification of violent criminal gang members. In *Proceedings of the 21th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining* (2015), ACM, pp. 2079–2088.
- [22] TANG, J., QU, M., AND MEI, Q. Pte: Predictive text embedding through large-scale heterogeneous text networks. In *Proceedings of the 21th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining* (2015), ACM, pp. 1165–1174.
- [23] TANG, J., QU, M., WANG, M., ZHANG, M., YAN, J., AND MEI, Q. Line: Large-scale information network embedding. In *Proceedings of the 24th International Conference on World Wide Web* (2015), ACM, pp. 1067–1077.
- [24] TANG, L., AND LIU, H. Relational learning via latent social dimensions. In *Proceedings of the 15th ACM SIGKDD international conference on Knowledge discovery and data mining* (2009), ACM, pp. 817–826.
- [25] WELLING, M., ROSEN-ZVI, M., AND HINTON, G. E. Exponential family harmoniums with an application to information retrieval. In *Nips* (2004), vol. 4, pp. 1481–1488.
- [26] XU, B., BU, J., CHEN, C., CAI, D., HE, X., LIU, W., AND LUO, J. Efficient manifold ranking for image retrieval. In *Proceedings of the 34th international ACM SIGIR conference on Research and development in Information Retrieval* (2011), ACM, pp. 525–534.
- [27] XU, Y., AND YIN, W. A block coordinate descent method for regularized multiconvex optimization with applications to nonnegative tensor factorization and completion. *SIAM Journal on imaging sciences* 6, 3 (2013), 1758–1789.
- [28] YANG, S.-H., LONG, B., SMOLA, A., SADAGOPAN, N., ZHENG, Z., AND ZHA, H. Like like alike: joint friendship and interest propagation in social networks. In *Proceedings of the 20th international conference on World wide web* (2011), ACM, pp. 537–546.
- [29] YIN, Z., GUPTA, M., WENINGER, T., AND HAN, J. A unified framework for link recommendation using random walks. In *Advances in Social Networks Analysis and Mining (ASONAM), 2010 International Conference on* (2010), IEEE, pp. 152–159.
- [30] ZAHARIA, M., CHOWDHURY, M., FRANKLIN, M. J., SHENKER, S., AND STOICA, I. Spark: cluster computing with working sets. *HotCloud 10* (2010), 10–10.
- [31] ZHOU, D., WESTON, J., GRETTON, A., BOUSQUET, O., AND SCHÖLKOPF, B. Ranking on data manifolds. *Advances in neural information processing systems* 16 (2004), 169–176.
- [32] ZHOU, D., ZHU, S., YU, K., SONG, X., TSENG, B. L., ZHA, H., AND GILES, C. L. Learning multiple graphs for document recommendations. In *Proceedings of the 17th international conference on World Wide Web* (2008), ACM, pp. 141–150.
- [33] ZHU, X., AND GHAHRAMANI, Z. Learning from labeled and unlabeled data with label propagation. Tech. rep., Citeseer, 2002.
- [34] ZHU, X., GHAHRAMANI, Z., LAFFERTY, J., ET AL. Semi-supervised learning using gaussian fields and harmonic functions. In *ICML* (2003), vol. 3, pp. 912–919.