Social and Information Network Analysis


Similarity Rank:

2. Glen Jeh, Jennifer Widom: SimRank: A Measure of Structural-Context Similarity, KDD'02 (Adapting from PageRank)

Optimization on SimRank

1. Fogaras, B. Racz: Scaling link-based similarity search, WWW'05 (Approximate)
2. Dmitry Lizorkin, Pavel Veilkhov, Maxim Grinev, Denis Turdakov, Accuracy Estimate and Optimization Techniques for SimRank Computation, VLDB'08

Domain-Integrated of SimRank

1. Loannis Antonellis, Hector Garcia-Molina, Chi-Chao Chang: Simrank++: Query Rewriting through Link Analysis of the Click Graph, VLDB'08

Clustering using SimRank

1. J. Wang, H.J. Zeng, Z. Chen, H.J. LU, L. Tao: ReCom: Reinforcement Clustering of multi-type interrelated data objects, SIGIR'03
2. Xiaoxin Yin, Jiawei Han, Philip Yu, LinkCLus: Efficient Clustering via Heterogeneous Semantic Links, VLDB'06 Graph Mining and Social Network Analysis.

Clustering/Community

1. Chayant Tantipathananandh, Tanya Y. Berger-Wolf, and David Kempe: A Framework For Community Identification in Dynamic Social Networks, KDD'07
2. Lars Backstrom, Dan Huttenlocher, Jon Kleinberg: Group Formation in large social networks: membership, growth, and evolution, Kdd'06 (Studying the formation of groups and the way they grow and evolve over time)
3. Deepayan Chakrabarti Ravi Kumar Andrew Tomkins: Evolutionary clustering, KDD'06 (Introducing evolutionary clustering which involves incrementally obtaining high-quality clusters for a set of objects. Propose evolutionary settings for the k-means and agglomerative hierarchical clustering algorithms).