Abstract

Selecting proper educational courses is a major problem in the student's life. A key factor in selecting courses is asking for the experts' opinion in the real life business. However, contacting with a real expert in a field may be difficult for many students. In this research, we suggest a general framework for a social network to connect students and experts. The framework depends on a variation of Delta-SimRank algorithm. The suggested variation is called Selective Path Delta-SimRank (SPDSR). Both the SPDSR and the original Delta-SimRank apply MapReduce technique for load balancing in a network of device. The suggested SPDSR tries to enhance the performance of Delta-SimRank. The Experiments results had shown that SPDSR had reduced the processing time in 30-70% of test cases to enhance performance by 18% in average.
- Y. S. Kim, A. Krzywicki, W. Wobcke, A. Mahidadia, P. Compton, X. Cai, and M. Bain, "Hybrid Techniques to Address Cold Start Problems for People to People Recommendation in Social Networks."
- R. Agrawal, A. Gupta, Y. Prabhu, and M. Varma, "Multi-Label Learning with Millions of Labels?: Recommending Advertiser Bid Phrases for Web Pages," in

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