ID: XXXXXX

Title: MVCWalker: Random Walk Based Most Valuable Collaborators Recommendation Exploiting Academic Factors

Recommendation: Accept with minor revisions

This paper proposes a model to recommend collaborators to scholars based on big scholar data. The core of the model is the well-known method of Random Walk with Restart (RWR). The authors also introduce three factors to define link importance, i.e. coauthor order, latest collaboration time and times of collaboration, which are used to improve the performance of recommendation. They test the performance of the model in a real network (on DBLP data set).

In all, the idea of the paper is original, and the topic is quite interesting. The paper presents concrete applications and motivations for the need of a model to recommend the most valuable collaborators to scholars in academic social networks. However, there are some points that should be accurately reviewed.

1, The value of precision for MVCWalker is high as 18.1% in Fig. 9. But it is not a so good result for general recommendation system. You should explain why you can say the performance of MVCWalker is good.

2, You should give more details about the equation (5) in section 3.3.2.

3, I suggest you introduce more academic factors in your future work, i.e. citations, citations…

4, I also saw that some words with brackets are not spaced and identified. Please space them out and have a recheck on this.