

Applying Personalized Tag Group Recommendation Model to Social Photo Sharing

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Abstract. Recent years, with the growing amount of web resources, collaborative or social tagging systems allow internet users to manage and share online resources. Online sources service such as Flickr allows to share their photos with family, friends, and the online community. Based on the real situation, it is necessary to provide high-quality tag suggestions for sharing related resources. For this goal, several tag recommendation models have been developed. However, the results of tag recommendation did not satisfy users' need. Grouping is an attractive interaction metaphor for users to create reference collections of tags they are interested in. In this paper, by considering semantic analysis and users' interests, the personalized tag group recommendation model has been designed for improving the quality of tag recommendation. Finally, we demonstrate the feasibility of the proposed personalized tag group recommendation model in the social photo sharing by the experiment.

Keywords: Tag recommendation; semantic analysis; tag group; social photo sharing

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