Mining Persian Blogs' Social Network

MS Thesis
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Abstract

Nowadays users of the Web are encouraged to generate content on the Web by themselves. Weblogs are the most convenient tools to perform content generation. In fact, Blogosphere is a kind of social networks and Weblogs are one of the most important components in Web 2.0. In this thesis, we analyze the link structure of the Blogspace to discover the patterns and trends among Weblogs. Our analysis is based on different aspects of Data Mining algorithms. One of the most important applications of the hyperlink analysis of The Blogspace is inferring communities. Another meaningful issue is exploiting the special link structure of the Weblogs to rank Weblogs. Weblogs have their own special link structure which contains blog rolls, comments, and entry to entry links. We also employ Game Theoretic approach for Social Network Analysis. To do so, we formulate Nash Equilibrium for social network.