Real Time Social Network Data Analysis for Community Detection

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Abstract

In WWW becomes a widely used platform for different social networks and social medias for the social communication. This platform becomes the oasis of a huge amount of data. Therefore, this data repository draws tremendous attention from corporate, government, NGOs, social workers, politician, etc. to either promote their products or to convey their message to the targeted community. But identification of community structure and social graph becomes a challenging issue for the social network researcher and graph theory researchers since the pervasive usage of instant messaging systems and fundamental shift in publishing contents in these social medias. Although a lot of attention has been given by the researcher to introduce several algorithms for identifying the community structure, most of them are not suitable for dealing with the large scale social network data in real time. This paper presents a model for community detection from social graph using the real time data analytic. In this paper, we introduce data analytic algorithms that can analysis contextual data. These algorithms can analyze large scale social interaction data and can detect a community based on the user supplied threshold value for community detection. Experiment result shows that the proposed
algorithms can identify expected number meaningful communities from the social graph.

References


Index Terms

Computer Science
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Keywords

Real time data, Social Network, Community Detection, Big data, Data Analytic.