

# Mining and Predicting Activities in Social Networks

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## Abstract

Social networks depict the interactions between individuals. With the popularity of online social networking services, such as Facebook, Twitter, and Instagram, we are able to collect large-scale social data via web crawlers. Based on social big data, in this talk, I would like to share my research on mining and predicting social activities in networks. This talk consists of two parts. The first is to automatically discover regular, rare, and interesting social activities for any person of interest in a social network. The second aims at uncovering why users participate in social activities, and predicting who will participate in the social activity organized by a certain host. If time allows, I will show more of my studies on social network analysis.