MLG - Mining Labeled Graphs

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Job description: Traditional graph-mining techniques focus on unlabeled graphs, namely, graphs in which all nodes and all edges are of the same type. Recently there has been significant interest in mining graphs whose nodes and/or edges are labeled. Such rich graph models provide better representations of real datasets, for example, social networks or biological networks. The objective of this project is to develop methods for mining labeled graphs. Specific problems to be considered include community detection and community evolution, role identification, predictive modeling, and more.