

学术报告

大数据环境下图数据聚类分析关键技术研究

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Venue: Room 108, Center for Applied Mathematics

Abstract: Graph clustering becomes a hot research topic in graph theory to model the complex networks. It can obtain valuable structural information from graphs and provide important support decisions on several applications such as public-opinion supervision. However, with the explosive growth of graph sizes in various fields (e.g., social networks, text retrieval, biological protein network), different types of graphs are formed which result in the relationships among the entities of graphs become more complex. These graphs have obvious characteristics of "big-data" which include complex inherent structure, massive size and dynamic structure change, etc. Thus, classic clustering approaches face more challenges to handle such kinds of big graphs. They are designed to deal with static graphs and are not capable of processing these graphs with new characteristics. Thus, it is a great need to find new solutions to solve these problems. This Talk focuses on solving clustering problems on graphs with various characteristics (i.e., complex structure, massive-scale, dynamic structure change and in a streaming fashion, respectively). Then, combined with project requirements, we design an advanced search system, which contains the topic clustering and rumor detection, on Twitter social networks.

欢迎大家参加！