学术报告会

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Multi-label Classification: Status, Challenges, and Connection to Extreme Similarity Learning

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摘要：

Multi-label classification is a classic machine learning technique widely applied in many applications. However, in the big-data era, many challenging issues remain to be resolved. The main concern is that due to the diverse scenarios of multi-label problems, it is difficult to guide users to solve all their problems effectively. Further, easy-to-use tools are still lacking. In this talk, we first introduce our ongoing development of a tool LibMultiLabel. Next, we investigate problems that involve many class labels. Such challenging scenarios are a special case of extreme similarity learning. Thus, we may apply techniques developed in similarity learning or recommender systems to multi-label classification and vice versa.

简介：

Chih-Jen Lin is currently a distinguished professor at Taiwan University and an affiliated professor at MBZUAI. He obtained his B.S. degree from Taiwan University in 1993 and Ph.D. degree from University of Michigan in 1998. His major research areas include machine learning, data mining, and numerical optimization. He is best known for his work on support vector machines (SVM) for data classification. His software LIBSVM is one of the most widely used and cited SVM packages. For his research work he has received many awards, including best paper awards in some top computer science conferences. He is an IEEE fellow, a AAAI fellow, and an ACM fellow for his contribution to machine learning algorithms and software design. More information about him can be found at http://www.csie.ntu.edu.tw/~cjlin.

林智仁教授是世界知名的机器学习专家，是IEEE、AAAI、ACM 等学会的会士（Fellow），谷歌学术引用超10万次。林智仁教授受邀加盟了阿布扎比人工智能大学（Mohamed Bin Zayed University of Artificial Intelligence），该校是全球第一所专注于研究生培养的研究型人工智能大学，Eric Xing、Ian Reid、Mohsen Guizani、Le Song、Kun Zhang等一批世界知名学者加盟。此次访问上海交大，林智仁教授也将介绍阿布扎比人工智能大学的相关情况，如有兴趣申请该校的同学也欢迎参加讲座进行现场交流。