# **JAIST Repository**

https://dspace.jaist.ac.jp/

Title	Discovering Comprehensible Knowledge from Data using Ensemble Learning Techniques
Author(s)	Zhou, Zhi-Hua
Citation	
Issue Date	2007-11
Туре	Conference Paper
Text version	publisher
URL	http://hdl.handle.net/10119/4111
Rights	
Description	The original publication is available at JAIST Press http://www.jaist.ac.jp/library/jaist- press/index.html, Proceedings of KSS'2007 : The Eighth International Symposium on Knowledge and Systems Sciences : November 5-7, 2007, [Ishikawa High-Tech Conference Center, Nomi, Ishikawa, JAPAN], Organized by: Japan Advanced Institute of Science and Technology



Japan Advanced Institute of Science and Technology

# Discovering Comprehensible Knowledge from Data using Ensemble Learning Techniques

## Zhi-Hua Zhou

### Nanjing University, China

### Abstract

Machine learning focuses on the study of algorithms that can improve the performance of computer programs with experiences, which has become one of the most important sources of intelligent data analysis techniques. Ensemble learning is a powerful machine learning paradigm. In contrast to traditional machine learning techniques which train one learner from data, ensemble learning techniques generate multiple or many learners from data to solve a problem. This talk will introduce some advances in the research of ensemble learning. In particular, the talk will show some methods for discovering comprehensible knowledge from data using ensemble learning techniques, which exhibits that ensemble learning techniques can be useful tools for the research of knowledge science.