论文与报告

知识发现的理论及其实现

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摘要

A Theory of Knowledge Discovery and its Implementation

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Abstract
In this paper, a theory of knowledge discovery is presented. This theory is based on the simulation of the process of human knowledge discovery, and comprises classification of data, generalization of each class against those in other classes, and discovery of implication relation between generated concepts. An implementation of this theory by using an integrated learning called KD3 is described, applications of KD3 to automated construction of knowledge bases for expert systems are outlined.

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