

Knowledge-based system acquisition for competitiveness predictions in  
decision making

柯宇謙, Hamido Fujita

Information Management

Computer Science and Informatics

eugene@chu.edu.tw

Abstract

The competitiveness knowledge can help making national strategies and decisions. However, the computerization of competitiveness knowledge is hard to be fulfilled. The reason includes competitiveness properties cover a broad range of criteria and their relationship is not well structured. This research proposes a knowledge-based system for competitiveness, taking advantages of the object-oriented technique to integrate preference information and mathematical measures. Furthermore, extending the derived knowledge beyond the original understanding is designed to provide the competitiveness features, utilities, and patterns.

Keyword : competitiveness, knowledge-based system, object-oriented design