MULTI-AGENTS IN DATA FILTERING SYSTEM

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Abstract

This paper describes an agent-based, distributed infrastructure for information gathering and treatment to support the analysis phase of knowledge discovery. We designed and developed a multi-agent system to specialize in the integration of heterogeneous information sources. We exploit and synthesize new technologies in the data-preparation area as a unified system. In the proposed system, the user's preference and background knowledge are to be aware of and included as a guidance via the user and controlling agents. The state of the environment are continuously monitored for the dynamic update in the data contents. The final product of this cooperative multi-agent system is the clean data set well-prepared for the knowledge mining task.