

Research on the Model of Intelligent Meta-search Engine

Li Liu and Wenbo Xu

College of Information Technology, Southern Yangtze University, WuXi, JiangSu, 214000, China

Email: wxliuli@sytu.edu.cn, Email: xwb@sytu.edu.cn

ABSTRACT

The amount of information available via networks and databases has rapidly increased and continues to increase. Existing search and retrieval engines provide limited assistance to users in locating the relevant information that they need. Intelligent Meta-search Engine may prove to be the needed item in transforming passive search and retrieval engines into active, personal assistants. This proposal explores the quantity of information available that is driving the need for improved search and retrieval engines. It then reviews current information retrieval literature and agency literature. Following these reviews, it proposes that the combination of effective information retrieval techniques, meta-search engine and autonomous, intelligent agents can improve the performance of information retrieval in an existing search or retrieval engine. The components model of Intelligent Meta-Search Engine is also given. The proposal then presents the performance evaluating of this research and the methodology to build these component.

Keywords: Intelligent agent, Meta-search Engine, Data mining, Decision tree.