Applying Ontology for Monitoring and Surveillance of Stock Market

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ABSTRACT

Financial fraud in stock markets is indicated as the one of the most sophisticated way to gain profits from the investors. It is leading cause of breaking down of trust among the investors who invest their money. The current fraud monitoring system doesn’t utilize a shared knowledge base system to detect or identify various manipulation strategies, which clearly indicates that there needs an ontology based system to implement these systems. The financial fraud ontology is utilized in order to analyse and evaluate the extraction of the historical SEC litigation releases which is extracted. This project is based on a text mining based system that will help in identifying new patterns in the market manipulation strategies as well evaluate the use of ontology in these process as a whole.