The issue of IQ in internet-based early-warning systems for trend management

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Practice-oriented Paper

Executive Summary

This contribution presents our latest experiences with internet-based early-warning systems that are used in firms in different areas with different functionalities to facilitate trend management and risk management. In these systems, intelligent software agents are deployed to gather and analyze information and monitor sites on the internet.

A central problem in this context is to calibrate these systems in a way that data mining and analysis processes deal with all mission-critical data available, but are still able to operate with a manageable amount of data. Thus, IQ plays a central role in measuring the performance of such a system and in achieving a sound balance between quality information and information overload.

Our methodology includes a distinct framework of IQ and respective procedures and algorithms that are based on a socially biased, community-oriented perspective of IQ that has been presented in past contributions to this conference.

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Practical Experiences (cont.)

- Establish a learning-system, especially in respect to IQ
- In Scanning Mode: achieve "minimum tolerance", 90% "no blind-spots" reliability
- In Monitoring Mode: achieve "zero tolerance", 100% speed and reliability

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