

Special Issue

Expert Systems: Applications of Business Intelligence in Big Data Environments

Message from the Guest Editors

In order to reduce the risk of human mistakes in financial domains, expert systems have gained a great advantage in big data environments. In addition to their efficiency in quantitative analyses, such as profitability, banking management, and strategic financial planning, expert systems have successfully treated qualitative issues, including financial analysis, investments advisories, and knowledge-based decision support systems. Recently, expert systems with explanation for decision making can achieve a high accuracy rate to support financial institutions in a highly volatile climate. It is being promoted by the software engineering community to use such systems as the adequate solution to handle the current requirements of complex big data processing problems that demanding distribution, flexibility, and robustness.

The overall aim of this Special Issue is to collect state-of-the-art research findings on the latest development, up-to-date issues, and challenges in the field of expert systems for business intelligence and big data analytics in financial applications.

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