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(57) Abstract :

The present invention relates to an ingenious application of an artificial intelligence algorithm in an organization's financial risk management control system. The invention provides a novel approach to enhance the accuracy and efficiency of financial risk management by utilizing machine learning techniques to analyse and classify financial data. The system is designed to process large volumes of data, including credit ratings, market trends, and financial ratios, to identify potential risks and suggest appropriate risk management strategies. The system's design is based on a combination of statistical models and algorithms, including principal component analysis (PCA) and support vector machines (SVM), to improve its accuracy and efficiency. The system's output provides real-time feedback to risk management personnel, enabling them to make informed decisions quickly. The proposed system can significantly enhance an organization's financial risk management capabilities and contribute to its overall success. The invention provides a valuable contribution to the field of financial risk management and has a wide range of applications in various industries.

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