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Patent Search

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Abstract:

Based on artificial intelligence system economics, a model for early warning of enterprise accounting risk ABSTRACT: The information era has witnessed the simultaneous progress of the economy and information network technology, leading to transformative changes in social lifestyles as well as the management modes and concepts enterprises. In the context of big data, there is an increased probability of financial information being compromised and a heightened chance of human factors being unmanageable. Given the aforementioned concerns, it is imperative to proactively investigate methods of risk mitigation and establish a robust system for early detection and monitoring. This study aims to enhance enterprises' capacity to manage financial risks by examining the financial early warning system in conjunction with intelligent mathematical models. It proposes the development of an intelligent financial early warning model to facilitate the analysis of enterprises' financial conditions. Further, the study integrates the current information technology and expenditure business scenarios to develop an intelligent early warning framework for company financial control using an intelligent mathematical model. Furthermore, this study integrates the K-means clustering technique to develop an early warning approach for ensuring the integrity of the approval process within an organisation. This study provides an analysis of early warning systems for financial standard compliance control, utilising the C4.5 decision tree method. The empirical study demonstrates that the enterprise financial early warning model, which is founded on the intelligent mathematical model described in this research, can significantly contribute to enterprise financial management and enhance the enterprise's capacity to successfully mitigate financial risks.

Complete Specification

Description:DESCRIPTIONS.

In light of the swift progress observed in both the economy and technology, we find ourselves situated inside a contemporary epoch characterised by the amalgamation of computers and the internet, commonly referred to as the era of big data. The utilisation of big data has numerous advantages and prospects for the advancement of organisations. Simultaneously, it also presents numerous dangers and challenges to organisations. The intensification of competition among firms has led investors and enterprises to place greater emphasis on the crucial function of financial crisis early warning in enterprise management. Nevertheless, the issue of early warning for financial crises in enterprises has consistently posed a challenging dilemma in the realm of corporate management. Hence, in the context of contemporary business environment, the establishment and enhancement of a financial accounting early-warning and monitoring system tailored to the era of big data has emerged as a critical undertaking for enterprises in their efforts to mitigate and address financial risks. Financial risk is synonymous with business risk, albeit in a more limited context. The "financial distress" pertains to a scenario wherein investors experience a decrease in their anticipated profits as a result of an inappropriate corporate financial condition and incorrect financing. Concurrently, the company may face the possibility of insolvency. The financial early warning system being discussed and developed in this study encompasses more than just the company's financial debt crisis. It serves as a comprehensive representation of the different internal inconsistencies and external threats that are present and potential within the company's operational processes. The development of financial hazards can be attributed to both internal and external contradictions. These contradictions give rise to changes in financial early warning, which in turn are influenced by many elements that are considered unfavourable factors. These factors are sometimes referred to as "warning sources." The concept of a "warning source" can be categorised into two distinct types: endogenous "alarm sources" and

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