

# Big Data Intelligent Analysis Algorithm Assisted Intelligent Financial System and Integrated Platform Realization of International Education Path

Li Kaodui  
School of Finance and Economics  
Jiangsu University, Zhenjiang, 212013  
Jiangsu, China

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**Abstract:** This paper studies smart financial decision support from the perspective of big data, which has both theoretical and practical significance. This paper firstly adopts the Apriori algorithm to calculate the degree of association between financial projects and financial data business, and completes data mining and analysis; This puts forward higher requirements for higher education in our country. The author mainly analyzes the integration of civil engineering majors into international education under the trend of internationalization of higher education. Starting with the main bottlenecks faced by enterprises' financial management, this paper introduces the emerging enterprise financial management solutions and development directions driven by the background of big data.

**Keywords:** Big Data Intelligent Analysis, Intelligent Financial System, Integrated Platform Realization, International Education Path

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## 1. INTRODUCTION

With the rise of my country's comprehensive strength, my country's development has higher requirements for the quantity and quality of talents. This requires our country to adjust the current education pattern and develop towards the construction of first-class universities and first-class disciplines [1], so that China's higher education will continue to advance in the direction of international education. The degree of internationalization is getting higher and higher. The internationalization of higher education in Shaanxi is constantly strengthening [2]. The forms of internationalization include: (1) The establishment of Sino-foreign cooperative educational institutions. For example, Xi'an Jiaotong University and the University of Nebraska-Lincoln (uNL) jointly established the first overseas Confucius Institute (uNLcI) [3].

The international exchange of traditional Chinese medicine will usher in unprecedented opportunities. There are many countries along the Silk Road, and the international area is vast. The cultures, religions and customs of different countries are very different and diverse. For Chinese medicine to go global and seek common development, mutual recognition is the foundation. Monitor and reduce corporate financial risks, make financial decisions, and more [4]. Therefore, it is of great significance to improve and optimize the financial decision support system for enterprises to improve the level and quality of financial management, comprehensive market competition, and profitability. With the development of big data, many new enterprise data information platforms are entering the vision of enterprises [5].

This also means that the financial management of Chinese enterprises needs to keep pace with the times and grasp the overall development trend of financial information management in the future, so as to occupy the commanding heights of digital informatization and provide stronger impetus for the development of enterprises [6]. In order to avoid this shortcoming of the system and fully tap the

diversified value of the financial system, many technology companies at home and abroad have made a lot of attempts. The four sections of enterprise management are capital flow, logistics, business flow, and information flow. As an organization's financial department, the most important thing is the management of capital flow, which not only records and reflects the information flow of the organization, but also supervises the logistics and business flow [7].

For new undergraduate colleges, is it necessary to copy the development model of traditional old universities? Is it suitable for the traditional model of a research university? Is this kind of convergence to the first-class key universities in China feasible [8]? From the perspective of the "topography" of the new undergraduate college itself the promotion provides a rare strategic opportunity [9].

Since China joined the WTO in 2001, China's economic and cultural development has been increasingly in line with international standards [10], and traditional Chinese medicine culture has been well known and gradually recognized by the world. and Challenges"52 and "The Palgrave Asia Pacific Higher Education Handbook" co-edited by Christopher Collins of Ritsumeikan Asia Pacific University (APU) in 2016 [11], etc. 53 These works are excellent works that are excellent representatives of the research on higher education and higher education internationalization in the Asia-Pacific region [12].

However, the lack of international talents in the field of civil engineering has always been one of the important factors restricting the further improvement of my country's civil engineering field in the international voice. Compared with those large international contractors [13], Chinese contractors still have a lot of room for improvement, and there is a clear gap between the two. Student exchanges, such as teacher exchanges between Shaanxi higher education institutions and foreign cooperative institutions, exchange student programs, etc [14]; (5) Global enrollment, such as Xi'an Jiaotong University recruiting international students from 86 countries:

(6) Course cooperation, such as the undergraduate course cooperation project between Xi'an Jiaotong University City College and the University of Nebraska-Lincoln in the United States. Only by appreciating, identifying with each other, and participating in dialogue between nations can they expand the space for self-development from differences and trigger common innovation vitality [15].

Traditional Chinese medicine culture is a cultural system involving life, disease, health, etc. in traditional culture. Traditional Chinese philosophy [16]. Corporate finance is at an important node in digital transformation under the background of VUCA. The impact mainly involves the following three aspects. First, enterprises generate a large amount of data in the daily production and operation process, which provides enterprises with good conditions for data transformation [17].

The financial department of the enterprise constructs its own unique information collection, processing and output mode only according to the accounting activities itself and cannot take into account the requirements of other departments [18]. Therefore, the information provided can only meet the needs of the financial department for information processing, but not at the same time. Department management needs. In this environment, financial managers cannot better perform their own management and control functions [19].

## **2. THE PROPOSED METHODOLOGY**

### **2.1 The Big Data Intelligent Analysis Algorithm to Assist Intelligent Financial System**

An international talent training model with innovative ability. Innovation is an inexhaustible driving force for development. For international talents, innovation ability is particularly important. Under the current internationalization background, innovation ability has become one of the important factors that determine the development height of enterprises and individuals. Problems caused by the external environment of Shaanxi higher education institutions. Shaanxi is located in the inland region of the whole of China and is located in the relatively backward northwest region. Therefore, this paper proposes the following establishment process for enterprises, in order to give some enlightenment to enterprises. When conducting financial analysis, enterprises can only rely on these "after-the-fact" records to adjust their business and operating plans, which may result in the growth of enterprise interests information loss and waste. Usually, the financial sharing system is a new type of financial service center that uses a variety of Internet technologies as the underlying components, and takes the normative and procedural principles of business processing to reduce repetitive labor and human subjective judgment. Its basic structure is shown in Figure 1. At the same time, the financial data obtained by this process often has a large "delay", which makes it impossible to effectively monitor and adjust the financial status of the enterprise in a timely manner, so that the enterprise misses the opportunity for development. The current status of financial management is as follows: First, the financial system is separated from the business system. Financial data and other business data are distributed across different systems and storage.

### **2.2 The Smart Financial System and International Education Path**

Internationalized and open talent training model. The cultivation of international and open talents is also an effective means to realize the internationalization of civil engineering education. We live in an open international environment, and talents are the main force driving development. Only by ensuring that these civil engineering talents have a long-term vision The minimum value is 197, the maximum value is 4030, and the minimum out-of-box value of the shady storehouse is 1657 and the maximum value is 8516, because the quantity distribution tends to be polarized. In line with the common mode of general distribution centers, in the further planning, orders with few orders and large shipments can be regarded as key management, from the connotation of creating an international brand of Chinese medicine education, to increase reform efforts, and strengthen the cultivation of human resources, Promote the integration of teacher education and college education, explore the cultivation of high-end talents in traditional Chinese medicine, and improve leading talents.

When the objective function  $Ob$  reaches the minimum value, the core of the financial intelligence system (platform) is to collect data, use a model or a certain algorithm to calculate, and then present it in the form of visual charts, reports, etc., so that analysts or managers can timely Identify problems in operation and provide feasible solutions in a timely manner. With the development of business activities, financial data has been in a dynamic process of change, so how to efficiently collect data when making financial decisions is an urgent problem that needs to be solved. Big data technology optimizes the data collection work well and greatly shortens the collection time.

### **2.3 The Integrated Platform Realization of International Education Path**

The advantages of talent reserve are faced with the threats of cultural background differences and the acceptance of traditional Chinese medicine, as well as the disadvantages of weak cultural core competitiveness and unilateral efforts and lack of interaction. The system mainly serves the management. It not only reflects the overall financial status of the company, but also provides objective and rigorous financial analysis reports. It also optimizes the information environment for the management to make decisions. Therefore, the system should involve the calculation and analysis of financial risk indicators, cost, cash flow, etc. In the era of the data economy, enterprise management is accelerating its evolution from ERP to EBC, emphasizing customer-centricity and business-driven efforts to reconstruct the digital combat power of enterprises.

Relying on the data insight, prediction, and risk control capabilities brought by big data technology, traditional finance is expected to change its relative independence and closed characteristics. In order to verify the effectiveness of process automation technology, neural network and K-means clustering algorithm and Feasibility, based on the actual financial system, the necessary simulation and analysis of these technologies are carried out in this paper. It should be noted that since the process automation technology and the neural network algorithm are comprehensively used in the execution of the K-means algorithm, this paper does not simulate the former alone.

### 3. CONCLUSIONS

This paper puts forward the risk management technology of enterprise financial accounts, which realizes the automatic execution of highly repetitive processes and the accurate evaluation, discrimination and prediction of account risks. However, the functions implemented by the technology proposed in this paper are still relatively single. From the perspective of the enterprise, discuss and build the financial intelligence system module; fourth, through the introduction of ideas, the financial work mode can be changed, and the organic integration of financial activities and business activities can be promoted, so that the value of data can be fully tapped. The internationalization of the teaching staff is not high. The vast majority of teachers and students believe that it is a glorious mission, a heavy responsibility, and a long way to go to cultivate high-quality international talents in the new normal undergraduate colleges.

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