Research on the Transition from Financial Accounting to Management Accounting under the Background of Artificial Intelligence

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Abstract: With the rapid development of AI information technology in China, it has brought certain impact on the traditional training mode of accounting personnel in Higher Vocational colleges. Faced with the constant change of technical means, the boundaries of industry, organization and function are all changing. Under such circumstances, accounting profession must change itself. Therefore, the training mode of traditional accountants should gradually change to management accounting. Firstly, this paper analyses the influence of AI on accounting industry. This paper then analyses the problems faced by financial accounting in the era of artificial intelligence. At last, this paper analyses the measures of transforming financial accounting into management accounting.

1. Introduction

Traditional accounting has been unable to meet the requirements of the development of the times. In the operation of accounting work, accountants can make the accounting catalogue into a program in advance through artificial intelligence software, and compile a stable accounting system. The whole operation process does not require human intervention. At present, the whole accounting operating system has been completely automated. During the accounting period, the computer system can quickly complete the financial work. Therefore, financial accounting has become an indispensable existence, and the comprehensive development of accounting personnel has become a trend. The functions of traditional accounting are limited to statistical data and settlement. With the development of economy, the society urgently requires accountants to change from professional to managerial in the era of artificial intelligence. Accountants should transform part of their responsibilities into management decisions, such as tabulating, statistics and so on. Accountants need to reduce the mechanization of simple addition and subtraction calculations. In the era of artificial intelligence, accounting industry has changed from low-end manual bookkeeping to high-end management. Accounting practitioners should proceed from the actual situation and make reasonable plans for their future development.

2. The impact of artificial intelligence on accounting industry

2.1 The focus of accounting work has shifted

The focus of traditional accounting work is accounting and supervision, and strengthening the supervision of the whole process of accounting work. In the era of artificial intelligence, with the popularization of intelligent accounting software, accounting presents the characteristics of intelligence and automation. The focus of accounting work has shifted to analysis, judgment, decision-making, management and so on. Accounting has gradually realized the integration of accounting, finance and business strategy, and even extended to management accounting. Therefore, accountants have realized
the shift of working focus. A total of 500 questionnaires were issued, and 451 questionnaires were valid, with an effective rate of 90.2%. According to the survey results, 57.3% thought that the focus of accounting work had changed seriously, 33.5% thought that there had been a general shift, and 9.2% thought that there had been no change. The results are shown in Figure 1.

2.2 The presentation of accounting information has changed
In the stage of manual accounting and computerized accounting, the time and place of accounting information acquisition are fixed, and the presentation mode is mainly fixed financial statements. In the era of artificial intelligence, the presentation of accounting information can automatically generate accounting statements, which is helpful for staff to obtain dynamic accounting information in real time. Artificial intelligence has realized the independent analysis of accounting information, which provides timely and effective accounting information for managers' decision-making. According to the survey results, 61.3% thought that the presentation of accounting information had changed seriously, 34.4% thought that there had been a general shift, and 4.3% thought that there had been no change. The results are shown in Figure 2.

2.3 The quality and efficiency have been significantly improved
In the environment of manual accounting or computerized accounting, it is difficult to avoid such phenomena as manual operation errors or data fraud, which will lead to the distortion of accounting information. In addition, the work of accounting information input, collation and analysis is heavy, which requires a lot of time and low efficiency. Through intelligent software, accounting information input and analysis can adopt a variety of processing methods, such as voice input, automatic scanning, and intelligent software processing. These methods can avoid manual errors as much as possible, and then reduce the distortion rate of accounting information, which is conducive to ensuring the authenticity and reliability of accounting information. At the same time, the application of intelligent software can also improve the processing speed of accounting information, which is conducive to the automatic integration of accounting data. At the same time, it reduces the cumbersome process of manual input and analysis. All these have significantly improved the efficiency of accounting work.

2.4 Artificial intelligence technology changed accounting jobs
The application of financial robots in the accounting industry has changed some accounting positions, especially those with low technology in the field, which also improves the business efficiency of the accounting industry. Now the financial software makes the accounting profession change, and reduces many traditional accounting posts. Artificial intelligence technology can make a lot of accounting work produce automatically. Therefore, a large number of accounting profession positions have been readjusted, which promotes the transformation of a large number of accounting personnel. This requires accountants to actively change their ideas. Only in this way can the traditional accountants meet the professional needs of the modern accounting profession. In the application of financial robots,
accountants need to improve their professional and technical abilities. Only in this way can we meet the needs of new accounting posts and not be eliminated in the fierce competition.

3. Transforming from financial accounting to management accounting

3.1 Transformations in the business activities of enterprises
Both management accounting and financial accounting developed from the original accounting activities. With the development of social economy and the complication of accounting activities, the two disciplines are divided according to different research perspectives and methods. They are essentially the same, and the ultimate goal is the same. From a realistic point of view, management accounting and financial accounting are never isolated from each other in enterprise practice. Both of them are important components of enterprise accounting management activities, and they are closely and inseparably linked in all aspects of enterprise operation. In modern enterprise management, financial accounting has gradually changed to management accounting and transformation. This paper formulates the business process from financial accounting to management accounting in contemporary enterprises, as shown in Figure 3.

3.2 Promoting the comprehensive development of accountants
The transformation of talents should first be ideological. Accountants should be aware of the changes in the requirements of accountants in the contemporary era, and then accept the changes brought about by artificial intelligence from themselves. Management accounting requires accountants to have high comprehensive quality and management knowledge. Accountants should pay attention to the latest financial news in time, and then take the initiative to realize the transformation of financial functions. Traditional financial accounting needs to strengthen the knowledge of management accounting management. It provides sufficient training and learning opportunities for employees. The scope of work of financial personnel should be broadened in time. Only in this way can financial personnel improve their comprehensive quality.

![Figure 3: Transforming from financial accounting to management accounting](image-url)
3.3 Creating big data system of management accounting

The transformation of accounting function means the essential change of work. The data recording and accounting of financial accounting become the data management of management accounting. In the era of artificial intelligence, management accounting should not only deal with the internal financial data processing, but also involve the financial management of enterprises. By strengthening information exchange among enterprises, accountants can improve their comprehensive management quality. Financial management involves a wide range of work, requiring management accounting to have higher professional quality and comprehensive ability.

4. Conclusions

With the rapid development of artificial intelligence, financial accounting has no foothold. It is inevitable to transform to management accounting. Simple data processing in enterprise accounting has been completely automated, and manual work has been gradually replaced. Financial accounting hinders the sustainable development of enterprises, which can not meet the requirements of the times. Management accounting has become an inevitable product of the market, and this transformation is conducive to the existing accountants to solve their own employment problems. At present, the transformation from financial accounting to management accounting is in its infancy. Many problems inevitably arise in the process of transformation. Accountants should actively improve their comprehensive management quality.

References

[1] Wang Jing. A brief discussion on the transition from financial accounting to management accounting in the age of artificial intelligence [J]. China Commerce, 2018, 766 (27): 15-16.

[2] Yang Xiuqin. A brief discussion on the integration development trend of financial accounting and management accounting in the age of artificial intelligence [J]. Substitute Commerce, 2018 (18): 141-142.

[3] Liu Ziqi. Research on the development opportunities of management accounting in the age of artificial intelligence [J]. Accounting for Township Enterprises, China, 2018 (09): 217-218.

[4] Lu Yan. Reflections on accounting industry in the era of artificial intelligence [J]. Modern Economic Information, 2018 (22).

[5] Mao Linghua. Transformation and promotion of accounting major in higher vocational colleges under the development trend of artificial intelligence [J]. Modern Marketing (Business Edition). 2018 (12).