

# The Impact of Financial Robots on Enterprise Accounting in Big Data Environment

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**Abstract.** Financial robots, developed in big data environment, are intelligent tools which replace the repetitive works and improve accounting service efficiency. Currently financial robots have entered the accounting operation entirely, which arouse highly attention of accountants. Thus, it's obligatory to look into the development of financial robots and their influence to corporate accounting.

**Keywords:** Big data; financial robots; accounting reforming; internet+ accounting.

## 1. The Application and Function of Financial Robots

As a tool of accounting, financial robots are product of the transition to Financial Sharing and accounting intellectualization. Financial sharing and accounting intellectualization are the trends of accounting development. Accounting intellectualization will lead to a new round of accounting reform, which will lead to the real re-positioning of accounting posts.

With the development of technology, the function of financial robot as an accountant is becoming stronger and stronger. For example, for the traditional accounting work, financial robot can complete more timely, more accurate and more reliable than accountants. The powerful function of financial robots has attracted the strong attention of accountants.

Four major international accounting firms have introduced financial robots into their work. Financial robot has the characteristics of fast operation speed and 24-hour uninterrupted work. It can replace manpower to complete simple entries, bookkeeping and reimbursement, and can effectively improve work efficiency.

## 2. The Impact of Financial Robots on Traditional Accounting Work

Accounting work, even part of the work of some financial and accounting management posts, such as voucher entry, data collation, financial analysis and other simple mechanical work, will soon be replaced by financial robots. Therefore, in the near future, the society will only need financial accountants who are familiar with national laws and regulations, master accounting theories, good at accounting professional judgment and understand management softwares. financial robots can liberate accountants from simple and repetitive work (table 1), so that accountants have the energy to complete higher-end financial management and pre-decision-making work, which is the inevitable development of the new business era.

Table 1. the change of accounting position after the invention of financial robots

Traditional accounting positions	Whether can be replaced
Cashier	Yes
Accounting	Yes
Statistical	Yes
Funds management	Yes
Management accounting	No

With the rapid development of internet, artificial intelligence, cloud technology and big data technology, intelligent production and unmanned factories are constantly emerging. The development

of new retail, such as unmanned stores, unmanned cabinet aircraft, 3C retail, which are supported by intelligent perception payment and digital marketing, makes the traditional business model encounter subversive changes. Under the background of economic globalization and Internet era, a new business era has come, which adapts to the deep integration of commerce, technology and humanities. Accountants and financial personnel are facing unprecedented challenges.

### 3. Financial Robots do not Represent Accounting Intellectualization

Financial robots are good at data integration and report generation, but they can't evaluate economic environment or make scientific and rational decisions. This requires traditional accounting practitioners to update their professional knowledge and shift their focus from accounting supervision to management decision-making.

From the functions and characteristics of them, financial robots do not represent accounting intellectualization. Accounting intellectualization utilizes electronic contracts, business scenarios, electronic bills and electronic invoices to carry out accounting information, electronic bills and Internet services at anytime and anywhere. It timely carries out automatic accounting, reconciliation, bookkeeping and bookkeeping, compiles financial accounting reports, carries out financial analysis, etc. At the same time, the computerization of network data, process data and result data guarantee the analysis of large data at any time.

"Internet + accounting" is the main body of the Internet, accounting is only the "Internet +" extension services, but the two are inseparable. Based on the deep integration and innovation of technologies such as Internet data, cloud services and network information transmission, accounting services are undergoing a positive transformation.

### 4. Accounting Intellectualization is the Final Trend in Commercial Age

Accounting intellectualization is the trend of the times and cannot be blocked. And financial robots and even financial sharing are just a transition in the middle. Of course, we can also make intelligent financial robots, financial sharing can also be integrated into accounting intelligence. Finally, the development trend of accounting in the new business era needs accounting intelligence (table2).

Table 2. the impact of new commercial age on accounting

	Traditional accounting	Management accounting	Strategic accounting
Accounting function	Accounting and supervise	Predict, decision-making and control	operation and plan
Disposal business	confirmation, measurement, recording and reporting	Budget management, Internal control management, Daily capital management, Investment and finance management,	Financial governance, Capital operation, reorganization, Value chain management

The Internet has promoted the development of business scenarios, precise management, electronic contracts and electronic bills while the next accounting era is accounting intelligence. We can divide the accounting intellectualization into some stages, then it can be seen that computerized accounting has greatly improved the efficiency of work, which is the beginning of accounting intellectualization. The financial robot has further improved the efficiency of accounting work, which is a key step in enabling accounting intellectualization.

We should use the good opportunity of accounting intellectualization to expand the role of accounting team in enterprise management, lead accountants to be familiar with mechanism of

accounting intellectualization, master the method of big data analysis, promote them to familiarize themselves with modern enterprise management methods, grasp the law of market development, participate in and support major decision-making, improve the management level of accountants and tap the great innovational potential of accountants.

## **5. Summary**

To sum up, financial robots have fully entered the accounting business and exerted significant influence on the entire accounting system. However, it is only an accounting tool which helps to deal with simple and repetitive works in current accounting system, financial Sharing and accounting intellectualization are the final trends of accounting development. Accounting intellectualization will lead to a new round of accounting reform, tax reform as well as business management reform, of course, accounting positions will be truly re-positioned at that time.

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