RESEARCH ON THE DEVELOPMENT PROSPECTS OF AUDIT ACTIVITIES IN THE CONTEXT OF ECONOMIC DIGITALIZATION

Chen Di,
M.D. student, 7M04118 - Accounting and audit
Al-Farabi National University (Almaty, Kazakhstan)
Nurgaliyeva A.
candidate of economic sciences, associate professor
Al-Farabi National University (Almaty, Kazakhstan)
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Abstract

With the vigorous development of the digital economy, audit activities are facing unprecedented opportunities and challenges. This paper delves into the challenges brought about by economic digitalization to audits, including data complexity, technological updates, personnel transformation, and data security. Additionally, the article looks ahead to long-term opportunities for the audit industry in areas such as stricter regulation, technological reshaping, and internationalized services, providing a useful reference for the future development of audit activities.

Keywords: economic digitalization; audit activities; development prospects; intelligent audit; data governance

1.Introduction

In today's era, the digital economy has become a core force driving global economic development. It uses data resources as key production factors, leveraging the effective application of modern information networks and information communication technologies to achieve efficiency improvements and deep optimization of economic structures.

1.1Challenges Brought by Economic Digitalization to Audits

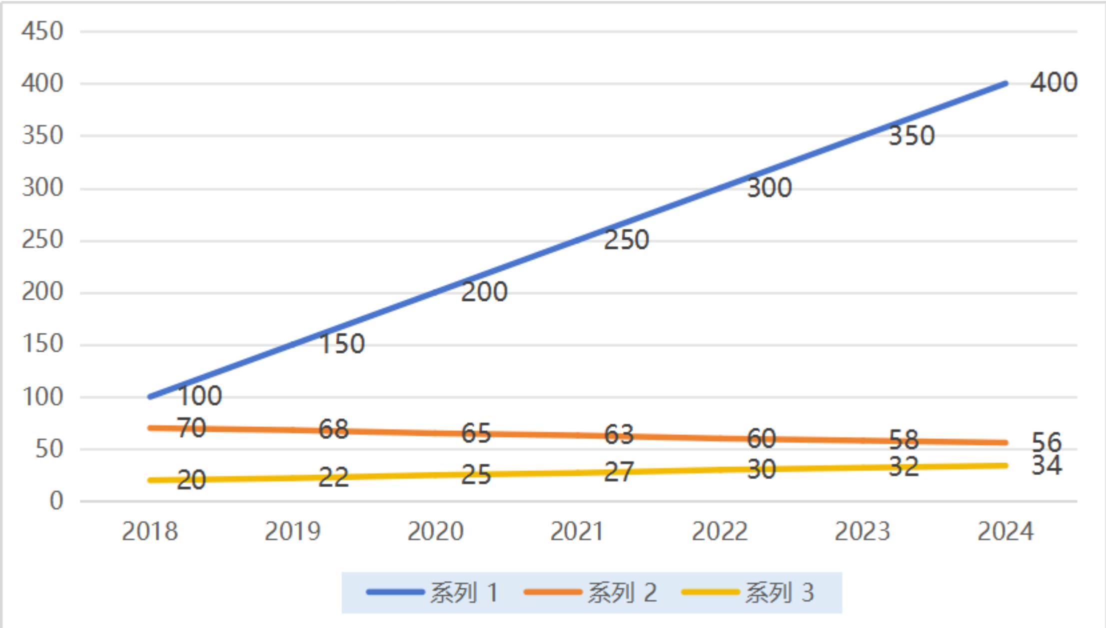
As shown in Table 1.1 below Economic digitalization has brought new opportunities and challenges to audit activities.Some data volumes displayed by the various types of structural risks

Table1.1 Some economic challenges from 2018 to 2024.Series One is total data volumes,.Series Two is structured Data(%），Series Three is unstructured Data(%).

Table 1.1 surance:Analyze the structure in volumes of accounting and audit in recent yearsin xinhua netw.ork.

In the process of economic digitalization, various types of financial and business data exhibit explosive growth, with diverse data types encompassing structured and unstructured.These data not only come from a wide range of sources, external market data,but also come in various formats.

1.2 Development Strategies for Audit Activities in the Context of Economic Digitalization



As shown in Table1.2 to adapt to the development of digital technologies, audit work should accelerate technological application innovation to enhance the intelligence levels of audit work.

Table 1.2

Accelerating Technological Application Innovation in Audits

Strategy	Implementation status (2018-2024)
Technological Application Innovation	Gradually Increasing
Comprehensive Quality Enhancement of Auditors	Continuously Improving.
Process and Model Optimization	Continuously Optimizing
Strengthening Data Governance and Information Security	Continuously Strengthening

Table 1.2 surance: Analyze the development of digital technology in accounting and audit in the past five years in economic knowledge network.

1.3 Optimizing Audit Processes and Models

As shown in Table1.3, professional ethics and legal education should be enhanced. Auditors need to continuously strengthen professional ethics and legal education to improve their professionalism and legal awareness, ensuring the fairness and objectivity of audit work

Table 1.3

Percentage of each data type proportion structure from 2018 to 2024.

Year	Structured(%)	Unstructured(%)	Semi-Structured(%)
2018	70	20	10
2019	68	22	10
2020	65	25	10
2021	63	27	10
2022	60	30	10
2023	58	32	10
2024	56	34	10

Table 1.3 surance: Analyze the structure of accounting and audit for the audit of the consolidated financial statements in Newspapers and periodicals

To improve the quality and efficiency of audit work, audit processes and models should be optimized. On the one hand, remote audit models can be promoted. Remote audit models can break time and space constraints, enhancing the flexibility and efficiency of audit work. Through remote audits, auditors can access and analyze data in the information systems of audited entities in real-time, reducing the time and cost of on-site audits.

2. Long-Term Opportunities for Audit Activities in the Context of Economic Digitalization Regulatory-Driven Professional Transformation

With the implementation of the new Securities Law and the advancement of the registration system reform, the China Securities Regulatory Commission (CSRC) and the Ministry of Finance have significantly increased penalties for financial fraud and audit negligence. In the short term, compliance costs for firms have risen, and small and medium-sized institutions may exit the market due to difficulty in bearing risks. However, in the long term, strict regulation will drive the industry from "price competition" to "quality competition."

The popularization of automated tools and the explosion in demand for data audits have brought new development opportunities to the audit industry. For example, Deloitte's "Argus" platform can automatically analyze financial data anomalies, reducing basic workload by approximately 30% and allowing auditors to focus on high-risk areas. Meanwhile, the digital transformation of enterprises has driven demand for IT audits and data security audits. Institutions with relevant technologies will gain an advantage, pushing the audit industry towards higher levels of development.

3.Conclusion

Economic digitalization has brought numerous challenges to audit activities, such as data complexity, technological update needs, personnel transformation pressures, and data security. However, it has also provided new opportunities for the development of audit activities, such as technological application innovation, personnel quality improvement, process model optimization, and data governance. By accelerating technological application innovation in audits, enhancing the comprehensive quality of auditors, optimizing audit processes and models, and strengthening data governance and information security, audit activities can better adapt to the requirements of economic digitalization.

Meanwhile, the audit industry should seize long-term opportunities such as regulatory-driven professional transformation, technology reshaping audit models, and internationalization and diversified services, continuously improving its competitiveness and service levels to provide higher-quality audit services for economic development.

In the future, with the continuous development of the digital economy, audit activities will face more opportunities and challenges. Audit institutions and auditors should closely monitor the development trends of the digital economy, continuously learn and master new technologies, actively respond to various challenges, seize development opportunities, and promote the sustained and healthy development of the audit industry.

References:

1. Research on Technological Innovation and Application in Audit Activities under the Background of Economic Digitalization [J]. Audit Research, 2023, (Issue Number): p.(45-50).

2. Development Opportunities and Challenges for the Audit Industry in the Digital Economy Era [J]. China Audit, 2022, (Issue Number): p.(32-36).

3. Exploration of Data Governance and Information Security in Audit Activities [J]. Audit and Economic Research, 2021, (Issue Number):p.(78-83).

4. Practice and Application of Remote Audit Models in the Digital Economy Era [D]. Peking University, 2020.

5. Research on the Impact of Cross-Departmental Collaboration on Audit Efficiency [J]. Accounting Communications, 2019, (Issue Number):p. (90-93).

6. Strategies for Improving the Comprehensive Quality of Auditors under the Background of Economic Digitalization [J]. Accountant, 2018, (Issue Number): p.(56-59).

7. Research on Big Data Technology-Based Audit Data Analysis Methods [J]. Audit Theory and Practice, 2023, (Issue Number):p.(23-28).

8. Prospects and Challenges of Artificial Intelligence in Audit Work [J]. Chinese Certified Public Accountant, 2022, (Issue Number): p.(102-106).

9. Analysis of the Importance of Data Security and Privacy Protection in Audit Activities [J]. Information Security Research, 2021, (Issue Number):p. (45-51).

10. Research on the Impact of Internationalized Services on the Development of the Audit Industry [J]. International Economics and Trade Exploration, 2020, (Issue Number): p.(67-72).

11. Pathways for Professional Transformation of the Audit Industry under Strict Regulation [J]. Audit and Economic Research, 2019, (Issue Number): p(.88-93).

12. Technology Reshaping Audit Models: Current Status and Future Prospects [J]. Finance and Accounting Monthly, 2023, (Issue Number): p.(34-39).