

The Theoretical Logic and Realization Path of the Modernization of Government Governance Enabled by Digital Intelligence Technology

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Abstract: Strengthening the construction of digital government is an important measure to adapt to the trend of the new round of scientific and technological revolution and industrial transformation,innovate the concept and mode of government governance, and promote the modernization of national governance system and governance capacity. Digital intelligence enables the government to better practice the concept of people-centered development,realize the precision of social governance and the efficiency of public services,improve the ability of supervision and forecasting,and effectively regulate economic development.But digital can assign the practice of government modernization,digital system fusion, digital complex risk surge,number intellectual talent gap highlights and other kinds of challenges,need to continue to advance based on the data,the algorithm for the gripper,system as the core of intellectual technology development, strengthen the relationship between governance subject, improve the governance system rules, increase the cultivation of logarithmic intelligence high-quality talents.

Keywords: Digital intellectual empowerment; Government governance; Governance modernization

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1. The Question is Raised

With the rapid upgrading and development of the new generation of information technologies such as big data, blockchain, cloud computing and artificial intelligence, a new round of industrial revolution has emerged, bringing great opportunities for the worldwide economic development, and countries around the world have set off a new round of digital government construction climax.At present,the governance system under the traditional bureaucratic management system can no longer adapt to the development of the era of big data. We should seize the opportunity, follow the trend of The Times, actively promote the combination of digital technology and government governance, and promote the transformation of the traditional government governance model to modernization.To effectively promote the digitalization and intelligence of the government and improve the application of digital intelligence technology in government governance is not only conducive to the implementation of the development concept of serving the people wholeheartedly,but also an important measure to promote the modernization of the national governance system and governance capacity. As an important subject in national governance, the government is an important step to realize the modernization of government governance.

Under the support of the scientific and technological revolution, the modernization of government governance is to realize the continuous improvement of the governance level through the transformation of the government governance concept,the optimization of the governance structure,the improvement of the governance mechanism,the innovation of the governance model and the improvement of the governance tools.^[1]As a collection of digital and new generation of information technologies such as big data, blockchain, cloud computing and

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artificial intelligence, the government can make use of digital intelligence Technology, on the basis of information and digitalization, through the comprehensive application of the three core parts of data, algorithm and computing power, promotes itself to realize the governance mode of whole cycle, whole field, data collection, synchronous analysis, self-learning, automatic decision-making and accurate execution.^[2] But at present our country number intelligence can assign government governance modernization is still in its infancy, the uncertainty of new technology has brought new risks and challenges to governance, how to number intelligence technology better application in the process of government governance, straighten out the relationship between technology and organization, avoid the risk of new technology in application, to better promote the modernization of government governance, is the current issues to be discussed.

2. Digital Intelligence Technology Enables the Operation Mechanism of Modern Government Governance

Under the era of big data, the development of new technologies such as artificial intelligence caused people for how to better apply technology to reality thinking, for the government can use several intelligence technology to the traditional mode of government governance innovation, to adapt to the trend of national governance modernization become the public's new appeal to the needs of the government and expectations. Digital intelligence is the organic combination of digitalization and intelligence. In the era of digital intelligence empowerment, it is of great significance to explore the new paradigm of the deep integration of "digital intelligence technology + governance innovation" to promote the government to realize the modernization of governance as soon as possible. Relying on artificial intelligence and machine learning, it enables the government to make decisions through the collection, collation and analysis of a large amount of data. Technology, as an important support for the transformation of the traditional entity government to the modern digital government, is the fundamental guarantee for the realization of the digital government. Among them, data, algorithm and system are the basic technical elements throughout the digital intelligence empowerment, and the coordinated utilization of the three is a key step for the modernization of the digital intelligence empowerment government governance.

As the carrier of information, data is the basis for realizing accurate and intelligent governance. Through resource integration platform, service supply platform, such as the establishment of the wisdom platform, use of artificial intelligence and other information technology for the public in the command platform message trace tracking, collect huge amounts of data with the public need, understand the current social hot issues, using the data of accurate, scientific characteristics, from the aspects of data analysis, fusion, sharing to form a benign data system, provide information and knowledge for government governance. Algorithm refers to an accurate and complete description of the solution to the problem, which is a series of clear instructions to solve the problem, including the output of a certain specification and the required output in a limited time. In the process of promoting the modernization of government governance, algorithms always play an important role. First of all, clustering classification, natural language and other algorithms can screen, identify and summarize massive scattered information related to governance needs, so as to improve the precision of public service and governance. Secondly, after data collection and classification, algorithms such as structured flow charts and association rules can be used to more accurately, in-depth and systematically grasp the current problems needed to be solved, and the system computing power of artificial intelligence can be effectively played to determine the governance. The effect, cost, risk and other key issues of the policy are evaluated to provide reference for the government; final decision to make the best decision. In the process of government governance, through the effective use of several intelligence technology, central use of data and algorithm, help to form a public feedback, relevant government departments to improve, continue to apply, the public feedback of benign governance circulation system, to improve the government governance efficiency, really establish people centered service-oriented government.^[3]

In intellectual fu can in the process of governance modernization, we emphasize is intellectual technology provides the tool value of governance society, in order to avoid the government in the transformation of the transformation of information technology, too value "technical determinism" phenomenon, the government should clarify the relationship between technology and organization, in attaches great importance to the rational technology also want to play peoples subjective initiative, timely adjustment of organization or decision flexibility, establish a mutual embedded, complement wisdom fu the operation mechanism of modern government governance.

3. Digital Intelligence Technology Empowerment Plays an Important Role in the Modernization of Government Governance

(1) The market supervision capacity has been gradually strengthened

As a state administrative organ, the government enjoys administrative power and coercive power in the state power system according to law, and is an important role in market supervision. Under the traditional government governance mode, due to the poor flow of information, there are information barriers in various departments, leading to the phenomenon of scattered law enforcement forces, single and complex supervision system, and multiple supervision. Under the application of digital intelligence technology, the government can use a series of data to establish a multi-dimensional three-dimensional supervision platform, and promote the entity government to organize, analyze and visualize the situation of various places in various ways and systematically, so as to realize multiple departments to fit supervision and unified processing. Through the application of digital means and new regulatory technology, it can make up for the shortcomings of supervision, reduce the occurrence of market failure, maintain the market order and peoples rights and interests, and make timely early warning and deployment for market risks, so as to provide a good environment for economic development.

(2) More accurate social governance capacity

As a government serving the people, how to improve the capacity of social governance is an important issue in its own development. Traditional entity government due to the organization structure is not clear, the internal restriction relationship is complex, the social public network information data too scattered, the "data island" between departments, administrative process too miscellaneous phenomenon frequently, under the application of several intelligence technology, the government not only realizes the efficient administration, but also improve the scientific decision-making, enhance the precision of social governance. First of all, the government under digital intelligence has broken the traditional government governance model and created a new mode of mixed government service with "administration-service-governance" integration. The application of the new model is conducive to reducing the limitation of "data island" between departments through data sharing, realizing multi-level and multi-department collaborative governance, effectively avoiding too cumbersome government processes, and thus improving administrative efficiency and reducing the waste of administrative costs. Second, through the use of digital technology, the classification of massive, scattered data information, under the comprehensive integration of internal and external data resources of the government, to the peoples life, production, entertainment, realistic demand comprehensive, systematic, objective, clear understanding, and through the accuracy of the social dynamic, develop a scientific decision, lead Guide social harmonious and stable development.^[4]

(3) The ability to adjust economic adjustments has been improved

As an invisible hand, the government plays an important role in macro-control in the development of national economy. Under the traditional entity government governance, due to the lack of data collection, sharing, the government in the face of the market blindness, spontaneity failure performance issued decision has a certain lag, and under the use of intelligence technology, through constantly establish strengthening economic monitoring

and early warning mechanism, the use of all kinds of wisdom platform accumulated data provide scientific support for the government to make economic decisions, can effectively improve the precision and timeliness of economic policy, improve the ability of macroeconomic regulation and control, maintain the stable development of the economy. Moreover, the establishment of the relevant national economic information database can provide the most basic data support for the government to monitor and conduct comprehensive analysis of the economy, which is of great significance for the government to understand the practical needs of various economic subjects and formulate practical and available economic policies.

4. More Efficient Public Service Capacity

Public service demand management is a process of cooperation and participation by the government, enterprises, society and other subjects. The traditional service mode of "all the responsibility" and "self-establishment and self-management" under the government no longer adapt to the modern development of the governance mode in the era of big data. Under the government governance of digital intelligence, through the continuous establishment and optimization of service platforms such as "palm office", the public demand into measurable data resources, promote the governance model from one-way management to two-way interaction, the integration of online and offline, and continuously improve the digitalization, comprehensiveness and systematization of public services. At the same time, the establishment of the department collaborative work platform is conducive to solving the problems of the complicated handling links and the long handling cycle of the masses and enterprises, realizing the ideal working efficiency of running at most once, and then improving the service quality and the public's experience of handling affairs. Under the application of digital technology, through the combination of data, algorithm, power, to help the government accurately grasp the current social situation and the realistic demand of the people's livelihood, provide the public with the most satisfactory service at the same time, also can provide effective way for the public to the supervision of the government, reduce "face project", the occurrence of corruption, etc., improve the government's credibility, really build a service-oriented government.

5. The Practical Dilemma of Government Modernization

(1) The integration of the digital governance system is not smooth, and the governance process is biased

The government emphasizes the cross-departmental and cross-level cooperative governance of the government, and due to the restriction of the administrative management system, there are certain administrative barriers in the cooperative governance. The existence of administrative barriers lead to through the use of intelligence technology integration of data resources in the circulation between government departments, greatly reduces the utilization of digital resources, the phenomenon of "information island" still exists, and digital governance system in accurate identification, on-demand governance, targeted control ideal logic appeared certain deviation, and increase the governance difficulty of the data system. In addition, in addition to the barriers between the internal systems of the government, there is also the problem of poor integration between the government and the society. Several intelligence can assign under the government governance is two-way governance, is the combination of online and offline governance, the government through several intelligence technology, establish effective communication platform, in real-time and effective communication with the public at the same time, can also use the platform to provide the public required government data and information, etc., in order to meet the realistic needs of the public. However, in practical practice, there are some cloud service platform "sinking" deficiencies, which is difficult to truly enter the society and the market, and there is still a lack of integration of the government, the society and the market.

(2) The complex risks of digital intelligence are surging, and the rule of law of digital governance urgently needs to be expanded

While digital intelligence technology enables government governance, it also generates many governance risks, among which the legal boundaries and institutional restrictions in the transformation of government digital intelligence are the most prominent. First of all, in terms of legal boundary, the government in the process of using digital intelligence technology governance, laws, laws, law enforcement, offenders is its should abide by the governance policy and the bottom line, and the modernization of the government transformation is in its infancy, the technology application and intellectual governance of legal boundary definition is still in the groping stage, lead to information leakage, digital divide, malicious competition, the problems of the governments authority and credibility caused a certain influence. Secondly, in terms of institutional restrictions, due to the different practice paths of local governments in digital intelligence governance, their judgment criteria are also different. The lack of complete institutional standards makes the lack of consistent methodological support between the government and the government and between various government departments, which leads to problems such as repeated construction of digital intelligence infrastructure, poor coordination among various departments and lack of action, which affect the publics satisfaction with government governance. In the process of digital intelligence governance, the lack of unified institutional standards and laws and regulations has not only caused some problems to the governments governance, but also is not conducive to meeting the peoples growing needs for a better life. With the construction of service-oriented government, how to continuously establish and improve the system and legal system has become a big problem to promote the government to realize modern governance as soon as possible.

(3) The number of intellectual talent gap highlights, the governance main body ability is insufficient

With the continuous progress of information technology, the shortage of digital intelligence talents gradually appears in the process of enabling government governance in China. In the development of digital technology, talent is its important support, at present the government of intelligence transformation is remarkable achievements, but our digital talent team construction is still facing the problem of lag, its mainly displays in two aspects, one is the number of talent supply, the second is the government related personnel intellectual literacy to improve. The development of emerging technologies represented by artificial intelligence, block chain and big data has put forward higher requirements for todays digital intelligence talents. Digital governance supported by data, algorithms and computing power not only requires talents to master relevant professional skills, but also requires the integration of many disciplines such as sociology and management. Government intelligence transformation success, is closely related to the number of leading cadres intelligence literacy, due to the leading cadres of the governance most have not accepted the system of intelligence skills education, in the late work also few about skills training, most cadres lack of sufficient intelligence literacy, the number of government intelligence transformation has played a limiting role.

6. Digital Intelligence Technology Enables the Modernization of Government Governance

(1) Based on data, strengthen the mutual relationship of governance subjects

As the carrier of information, data is of great significance to the construction of the governance system of "one network management". On the one hand, the government to data, through the relevant data sorting, classification, establish data sharing platform, clear government departments of government data management responsibilities, using the number of intellectualization means through information barriers between departments, establish responsibilities clear inter-sectoral collaboration, reduce miscellaneous processing procedures, achieve a clear division of labor between departments, coordinated and orderly governance system.

Through the establishment of a unified, standardized and scientific data sharing platform, improve the ability of all walks of life to use data, and then strengthen the effective connection between the government and the society and the market, and promote the government to increase the development and utilization of data, and improve the closeness between various departments, regions and fields. On the other hand, the government staff, as the processor and user of relevant data, should constantly strengthen the cultivation of data security awareness, constantly improve the data security governance ability, effectively guarantee the digital security of all social subjects, and constantly strengthen the mutual relationship of various governance subjects under the premise of improving the security of the public.

(2) Take the algorithm as the starting point, improve the system rules of the governance system

Under the application of digital intelligence technology, it is a critical step for the government to establish a system corresponding to the modernization of government governance through the rational application of scientific algorithm. First of all, in terms of the code of conduct, it is necessary to clear the boundaries of the use of digital technology, the application of the algorithm should comply with certain rules of behavior order, to avoid the use of big data algorithm for big data killing, privacy leakage and other criminal problems. The use of scientific algorithm can not only accurate positioning for public demand, timely, in-depth and comprehensively grasp the current social hot spots and law, relying on information technology such as artificial intelligence, to evaluate all aspects of public policy, but also can break through the limitation of time and space, the record management subject in the process of governance, to strengthen the supervision and constraints of governance subject, by find and solve problems, improve the system of government governance system rules. Secondly, through the continuous establishment and improvement of standardized system and laws and regulations, clear the rights and obligations of each subject. Under the establishment of the standardization system, by clarifying the power and responsibility between the government and the government and between the government departments, the mutual wrangling and prevarication between various departments should be minimized, so as to improve the coordination between departments. At the same time, through the introduction of the phase Due to laws and regulations, we should strictly abide by the legal red line, not only to ensure the purity of the government, but also to build a benign relationship between the government, enterprises and the public, and to promote the construction of a service-oriented government.

(3) With the system as the core, to cultivate a team of high-quality talents

A set of work process and operation mechanism formed by the application of digital intelligence technology cannot be separated from the support of high-quality talents. In the whole operation mechanism, we should strengthen the digital intellectual literacy of government leaders, all levels of staff and the public. For government leading personnel, the number of intellectual literacy and the number of intellectual transformation, therefore to cope with the internal and external various digital risk in the process of strengthening leading cadres of digital thinking, using online and offline way of leading cadres on network, digital, technical and other related knowledge training, establish and improve the leading cadres of intellectual literacy training system. For other staff in the government, internally to strengthen staff skills training, external can from the aspects of education, enterprise, increase logarithmic intelligence talent cultivation and attract, by improving the government appeal, strengthen the government for the number of talents, establish the corresponding number of talent pool, that the governments governance demand accurate matching number of talents. In the aspect of the public, we can strengthen the understanding of the people and digital intelligence through various types of publicity or rendering of the living environment, and then gradually accept the use of digital intelligence tools, so as to better adapt to the current era of digital intelligence governance and cooperate with digital intelligence. The transformation of government.

7. Conclusion

The application of digital intelligence technology is of great significance to promote the government to realize the modernization of governance and to conform to the trend of the modernization of national governance capacity and governance system. In several intelligence technology assigned to the process of modern governance, through the data, algorithm, power system using actively build "one network system" modern management system, to effectively respond to all kinds of complex governance needs and governance, constantly improve the government governance efficiency and peoples happiness and satisfaction. At present, under the joint efforts of countries, government and enterprises, although the Chinese government intellectualization transformation has made remarkable achievements, "one network more", "only run a" practice constantly fall to the ground, but the overall is still in its infancy, still need to start from its national conditions, constantly establish and improve the propulsion mechanism, seize the digital opportunity, give full play to the function of intellectual technology can assign, fully create a new situation number intellectual government construction.

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