

Algorithmic Administration: A New Engine For Building The Digital Government

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Abstract: The new round of scientific and technological revolution accelerate the evolution of industrial transformation. They have provided a source of innovation and inexhaustible power for administrative management and economic development, therefor, a new space of public management has developed. The "algorithmic administration" produced by the deep integration of algorithms and public administration under the frame of digital government, that is a typical case of domain technology empowering public management. This paper will provide the definition, practice path and development direction of algorithmic administration. With the deep embedding of algorithm technology, the digital government centered on algorithmic decision-making and data application is a form of intelligent government, and the practice of this form of government is promoting the formation of algorithmic administration. Algorithms enable the transformation of administrative models in the form of social computing. While improving performance value, they also bring about changes in power transfer, logical transformation, and process fairness. Therefore, how to adjust the relationship between people and data, technology and administration, and the application and supervision are the cornerstones of the administrative operation of algorithms. The conclusion is that: through data-driven, software-defined, platform support, service value-added, and intelligent leadership, algorithmic administration promotes all-round changes in management subjects, management objects, management tools, methods, and and the space, bringing about symbiosis and mutual empowerment. It will provide new prosperity, knowledge sharing, and value as the new phenomena.