

Abstract**Stimulation of Big Data Market and Copyright Problems**

Lee, Jin Tae*

In the past, IT companies were not able to process massive data because it just took too much time and expenses. However, as information technology became growing and developed, they began to process the massive data, leading to the creation of value. During the course of its development, the success stories have become the model to follow and the hottest issue in the IT field. Such massive data is also known as 'Big Data' and 'Hadoop', which is the framework to process massive data, is becoming the de facto standard.

To look deeper into the copyright issues and problems associated with Big Data, this paper technically describes not only the basic concept of database, but also the concept of 'Hadoop' as well as its processing procedure. In conjunction with the technical understanding of Hadoop, this paper analyzes the copyright issues that could occur in each step of processing data-data source, collection, storage, analysis, and etc.-along with the protection of database producers and open source licenses.

Finally, this paper suggests a proposal in which Big Data can be utilized not only in industrial aspects, but also in the aspect of public interests through the invigoration of big data analysis within the framework of existing copyright law systems. It also proposes the methods of invigorating through legislating new law called "Cloud Computing development and Consumer Protection Act" or other new legislations.

Keywords

Hadoop, bigdata, bigdata and copyright, Stimulation of bigdata Market, database, protection of database producers, bigdata and database, cloud computing