



## **Big Data Management in Transport & Logistics Industry: A Literature**

### **Review**

**Shuo Dang**

Management School, University of Liverpool, Liverpool, UK.

**Jing Shi**

Management School, University of Liverpool; Guangxi Liugang Logistics Co., Ltd.  
[to\\_shijing@163.com](mailto:to_shijing@163.com)

**Yang Li**

Department of Computer Science, University of Liverpool

### **Abstract**

Nowadays, the amount of data produced from transport & logistics industry appears significant increase. Meanwhile, under the worldwide competition, professionals are struggling in dealing with the huge data. Thus, the adoption of new information technologies has become essential for most of transport & logistics businesses to improve their activities with the investigation of how to produce, capture and analyse data. Big Data Management is one of the best techniques which can help them in overcoming their problems (Tiwari, Wee, & Daryanto, 2018). Realizing its benefits, this paper will provide a literature review of big data in the transport & logistics industry to demonstrate its knowledge and understanding of related research in recent five years, especially the application cases. During the analysis, this paper will discuss the strength, weakness, opportunities and threats of adopting big data, to identify the research directions for future study in transport & logistics domains.

**Keywords:** Big Data Management, Transport, Logistics