Literature Survey

S.No.	AUTHOR NAME & YEAR	TITLE	DESCRIPTION	ADVANTAGED AND DISADVANTAGES
1	XiongLi /2019	Optimal decisions for operations management of BDAR: A military industrial logistics data analytics perspective	The purpose of this paper is to present a systematic procedure of optimal decisions for operations management of BDAR and form a framework of military industrial logistics data analytics.	ADVANTAGS: Developing a systematic procedure of optimal decisions for operations management of BDAR. DISADVANTAGES: Difficult to Collection the war statistics from the historical real-world combat data
2	Benjamin B.M /2018	A data-analytics approach to identifying hidden critical suppliers in supply networks: Development of nexus supplier index	In this study, we explore the identification and categorization of nexus suppliers. Based on the theory of nexus supplier and data envelopment analysis (DEA), we propose a data-analytics approach to compute what we call Nexus Supplier Index (NSI). It is a measure that combines various network centrality measures	AADVANTAGS: Applying data-analytic method to analyze Honda's supply network and identify the nexus suppliers. Construction a large dataset of the multi-tier supply network of Honda Motors. DISADVANTAGES: Difficult to combines various network centrality measures to capture and reflect different aspects of a supplier's structural importance

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3	Pengcheng Fang, JianjunYang/2020	Data analytics-enable production visibility for Cyber-Physical Production Systems	In this paper, a Cyber-Physical Production System (CPPS) using data analytics is proposed to enable production visibility. Firstly, this study uses data stream processing approaches to clean redundant data efficiently. Secondly, a Bayesian inference engine, which is trained by ming the historical data offline, is employed to identify the accuracy of an RFID-captured event	ADVANTAGES: An appropriate TIE session gap modelis implemented to clean redundant data. An Bayesian inference model is proposed to improve the accuracy of RFID simple event. DISADVANTAGES: Validation of Cyber-Physical Production System (CPPS) becomes complicate
4	Jaemin Kim, Clay Dibrell/2021	Data analytics and performance: The moderating role of intuition-based HR management in major league baseball	We propose that due to the decreased spectrum of available strategies and simplified mechanisms of value creation associated with a greater reliance on data-driven decisions in highly competitive and specialized industries, the positive effects of social capital for data analytics on firm performance will diminish when firms predominantly adopt data-driven decision-making in deploying human resources.	ADVANTAGES: Employ longitudinal data of MLB clubs to analyze big data knowledge dispersion. DISADVANTAGES: The firm performance will diminish when firms predominantly adopt data-driven decision-making in deploying human resources

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5	H.Son, C.Hyun /2019	Data analytic approach for bankruptcy prediction	Bankruptcy prediction problem has been intensively studied over the past decades.In this study, we focused on solving the skewness which is a characteristic of financial data. By solving this problem, we obtained 17% average improvement in AUC over existing models. To address the second shortcoming, we analyze the importance of features identified by the XGBoost model.	ADVANTAGES: Features to predict a company's bankruptcy have highly skewed distributions. A Box–Cox transformation is a powerful technique to remove skewness of data. DISADVANTAGES: The prediction accuracy does not far exceed the statistical models
6	Nabil Magbool Jan, Chaoqun Li /2018	Data analytics for oil sands subcool prediction — a comparative study of machine learning algorithms	This work focuses on developing a subcool model based on industrial datasets using deep learning and several other widely-used machine learning methods. Furthermore, this work compares and discusses the out-of-sample performance of different machine learning algorithms using industrial datasets.	ADVANTAGES: The Deep FeedforwardNeural Network has shown good predictive performance incapturing process trends. DISADVANTAGES: Deep learning method does not show the best results interms of MAE, MSE and Pearson correlation coefficient.