

2020

Interpretive Model of Manufacturing: A Review of Machine Learning in Manufacturing

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Recommended Citation

Sharma, Ajit; Zhang, Zhibo; and Rai, Rahul, "Interpretive Model of Manufacturing: A Review of Machine Learning in Manufacturing" (2020). *Business Administration Faculty Research Publications*. 2.
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Interpretive Model of Manufacturing: A Review of Machine Learning in Manufacturing

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ARTICLE HISTORY

Compiled June 18, 2020

ABSTRACT

There has been a paradigmatic shift in manufacturing as computing has transitioned from the programmable to the cognitive computing era. In this paper we present a theoretical framework for understanding this paradigmatic shift in manufacturing and the fast evolving role of artificial intelligence. Policy, Strategic and Operational implications are discussed. Implications for the future of strategy and operations in manufacturing are also discussed. Future research directions are presented.

KEYWORDS

Machine Learning; Artificial Intelligence; Manufacturing; Interpretive Model of Technology; Decision Making; Analytics