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

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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