

The whole general synthesis by Axel Bonnechose expresses, with the application of artificial intelligence (AI) in process mining, an overview of its impact on the digital transformation of businesses. The paper highlights how AI, combined with Robotic Process Automation (RPA), is leading to a revolution in the way business processes will be managed for increased operational efficiency and improved strategic decision-making. The article brings out an exploration of the benefits, challenges, and future outlook of this integration through an analysis of four case studies. It brings out that a hybrid approach needs to be embraced for process mining to reap the benefits of AI.

This synthesis will also address the practical implications of artificial intelligence in the continued process improvement with reference to identifying problems and optimizing process flows. She insists that the technological infrastructures have to be robust, the company culture has to be data-focused, and the regulatory framework appropriately adapted to enable full exploitation of such a potential process in mining. In conclusion, the paper from Axel evidently asks for close collaboration of AI experts, process analysts, and decision-makers in order to lead, with the utmost success, the digital transformation of businesses towards more efficiency and competitiveness.