

## **L2 – GOMES JOSEPH : MASTER 2 MANAGEMENT AND INTERNATIONAL BUSINESS NORTH AMERICA**

**L1 : ATI SARA, MAELLE BOZO BERRIOS, AXEL BONNECHOSE (*SOK SABAYE PART MISSING*)**

### **BIG DATA ANALYSIS: BUSINESS PROCESS MINING**

#### **SUMMARY OF SUMMARY**

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The thematic of the documents of Axel, Maëlle and Sara is the adoption of artificial intelligence (AI) technology in process mining, how it will facilitate the change to redesign and improve business processes based on the analysis of tremendous data.

AI-Powered Process Mining is a powerful combination of AI (Artificial Intelligence), RPA (Robotic Process Automaton), and deep learning capabilities that allows you to question the whole world around how AI is able to change the game for managers in the way they manage and optimize business processes, aiming at enabling higher operational efficiency and better strategic decision-making.

Axel, Maëlle and Sara document demonstrates how process mining, when combined with AI, identifies the problematic area calling for the optimization solution, which ultimately may contribute to an increase in business performance due to continuous improvement. They focus on extracting knowledge from existing data, analysing it correctly and proactively improving it.

Technologies such as AI present a challenge to an organisation that requires a technology infrastructure and an organisational culture, both are data driven, as well as the right regulatory framework to overcome this challenge. They go on to stress that the success of the digital transformation for both companies will have to ensue from the closest collaboration of its AI expert and the process analysts with the business decision-makers, who, on the other side, need guidance that is particular and toward this.

This research focuses on the advances and new possibilities offered by the use of process mining at the intersection of AI and business processes. These documents show to us that technological development is likely to be a determining factor in other possibilities for optimising business processes, detecting anomalies and even predicting future behaviour.

It means to say that what makes the three documents the same is the way they express that AI and process mining can be revolutionary in business processes. The benefits, the challenges, and the brilliant scope for the future of big data analytic technologies and advancements were presented.