

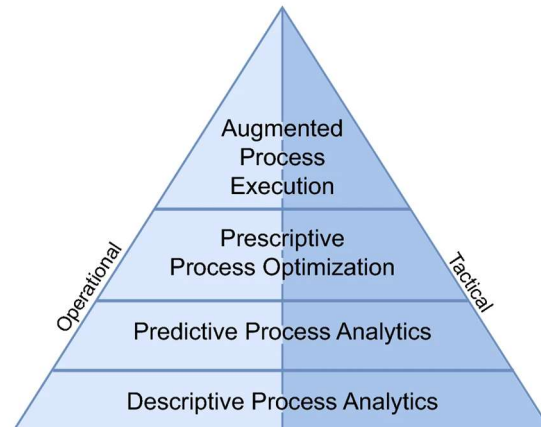
## FROM PROCESS MINING TO AUGMENTED PROCESS EXECUTION

The Process Mining Organization, also known as PMO, is a tool that allows you to increase the management of processes within a company. It's a time-saving tool. Artificial intelligence algorithms are also essential to an organization. They automate the execution of processes and make decisions quickly in the event of a problem. These two tools, which have become essential today, make it possible to both automate processes and improve the performance of an organization. These two tools are complemented by the emergence of Business Process Management, also known as BPM. It develops in depth the business performance of a company.

The Business Process Management has a multi-level pyramid (Figure 1):

1. The first level describes the current processes (e.g., processes for the year 2024).
2. The second level predicts the future (e.g., where the company will be in 2030, 2035, etc.).
3. The third level takes the predictions and turns them into concrete actions to improve the company's performance.
4. The fourth level allows the processes to run autonomously, thanks to the supervision of the people.

Figure 1: Business Process Management Pyramid



The pyramid represents the model of Business Process Management. This model shows the steps from an operational and tactical point of view that need to be taken to maximize an organization's performance and automate its processes. It has four main stages: descriptive process analytics, predictive process analytics, prescribed process optimization and augmented process execution. Communication with managers is done at every step of the pyramid using simplified language systems made by artificial intelligence.

Source: David Chapela-Campa, Marlon Dumas, SPRINGER LINK, 4 November 2023.