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Process Mining as the Superglue Between Data Science and Enterprise Computing

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Abstract

Process mining provides new ways to utilize the abundance of data in enterprises. Suddenly many organizations realize that survival is not possible without exploiting available data intelligently. A new profession is emerging: the data scientist. Just like computer science emerged as a new discipline from mathematics when computers became abundantly available, we now see the birth of data science as a new discipline driven by the torrents of data available today. Process mining will be an integral part of the data scientist's toolbox. Also enterprise computing will need to focus on process innovation through the intelligent use of event data.

This keynote talk will focus on challenges related to "process mining in the large", i.e., dealing with many processes, many actors, many data sources, and huge amounts of data at the same time. By adequately addressing these challenges (e.g., using process cubes) we get a new kind of superglue that will impact the future of enterprise computing.

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