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Process Mining Springer

Process mining is an emerging discipline based on process model-driven approaches and data mining. It not only allows organizations to fully benefit from the information stored in their systems, but it can also be used to check the conformance of processes, detect bottlenecks, and predict execution problems.

Process Mining - Springer

This is the second edition of Wil van der Aalst's seminal book on process mining, which now discusses the field also in the broader context of data science and big data approaches. It includes several additions and updates, e.g. on inductive mining techniques, the notion of alignments, a

Process Mining - Data Science in Action - Springer

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Process Mining - Springer

Process Mining in Action describes principles, challenges and

learnings from years of practice.” (Seungjin Whang, Professor of Operations, Information & Technology at Stanford Graduate School of Business) “This is a timely book that presents operational experiences and brings Process Mining application problems to academic research communities.

Process Mining in Action - Springer

About the authors The main goal of this book is to explain the core ideas of process mining, and to demonstrate how they can be implemented using just some basic tools that are available to any computer scientist or data scientist. It describes how to analyze event logs in order to discover the behavior of real-world business processes.

A Primer on Process Mining - Springer

Process mining is a set of techniques in the field of process management that have primarily been used to analyse business processes, for example for the optimisation of enterprise resources. In this research, the feasibility of using process mining techniques for the analysis of event data from machine logs is investigated. A novel methodology, based on process mining, for profiling abnormal ...

Process mining on machine event logs ... - link.springer.com

Business Process Analytics. Cite this entry as: (2019) Process Mining. In: Sakr S., Zomaya A.Y. (eds) Encyclopedia of Big Data Technologies.

Process Mining | SpringerLink

Process mining Clinical Pathways Workflows Process standardization This is a preview of subscription content, log in to check access. Springer Nature is developing a new tool to find and evaluate Protocols.

Using Process Mining for Automatic Support of Clinical ...

The approaches proposed in this book belong to two different computational paradigms: first to classic "batch process mining," and second to more recent "online process mining." The book encompasses a revised version of the author's PhD thesis, which

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won the "Best Process Mining Dissertation Award" in 2014, awarded by the IEEE Task Force on ...

Process Mining Techniques in Business Environments - Springer

Abstract. Process mining techniques are able to extract knowledge from event logs commonly available in today's information systems. These techniques provide new means to discover, monitor, and improve processes in a variety of application domains.

Process Mining Manifesto | SpringerLink

Highlights (taken from Springer site) First book on process mining, bridging the gap between business process modeling and business intelligence. Written by one of the most influential and most-cited computer scientists and the best-known BPM researcher. Self-contained and comprehensive overview for ...

Process Mining<http://www.processmining.org/book/start>

His research interests include workflow management, process mining, Petri nets, business process management, process modeling, and process analysis. Wil has published more than 160 journal papers, 17 books (as author or editor), 300 refereed conference/workshop publications, and 50 book chapters.

Process Mining in Healthcare - Evaluating and Exploiting

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Diogo R. Ferreira is Professor of Information Systems at the University of Lisbon, where he specializes on process mining, data analysis, and systems integration. He has been recognized several times for his pedagogical approach while teaching those subjects to computer science and other engineering students.

Amazon.com: A Primer on Process Mining: Practical Skills

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Part of the Lecture Notes in Computer Sciencebook series (LNCS, volume 5460) Abstract. Within the research domain of process mining, process discovery aims at constructing a process model as an abstract representation of an event log. The goal is to build a model (e.g., a Petri net) that provides insight into the behavior

captured in the log.

Process Mining: Overview and Outlook of Petri Net ...

Process mining focuses on end-to-end processes and is possible because of the growing availability of event data and new process discovery and conformance checking techniques. Process models are used for analysis (e.g., simulation and verification) and enactment by BPM/WFM systems.

Process Mining: Overview and Opportunities: ACM ...

This is a good book, particularly if you are looking for a process mining reference model for healthcare. Although process mining went out in the mainstream roughly five years ago (esp. with Wil M.P. van der Aalst's first release of the Process Mining book), this is still an emergent technology, how much more an application to healthcare.

Process Mining in Healthcare: Evaluating and Exploiting

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Text and Data Mining at Springer Nature. What is TDM? TDM (Text and Data Mining) is the automated process of selecting and analyzing large amounts of text or data resources for purposes such as searching, finding patterns, discovering relationships, semantic analysis and learning how content relates to ideas and needs in a way that can provide ...

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Process mining is an emerging discipline based on process model-driven approaches and data mining. It not only allows organizations to fully benefit from the information stored in their systems, but it can also be used to check the conformance of processes, detect bottlenecks, and predict execution problems.

Process Mining: Discovery, Conformance and Enhancement of ...

Diogo R. Ferreira is Professor of Information Systems at the University of Lisbon, where he specializes on process mining, data analysis, and systems integration. He has been recognized several times for his pedagogical approach while teaching those

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