

How to Evaluate Process Mining algorithms

Abstract

The BPM community makes increasingly use of shared benchmark data sets such as those available from the BPI Challenges. These offer an excellent basis for comparing algorithms. However, they also bear disadvantages. In this talk, we aim to provide a balanced account of the strengths and weaknesses of using such benchmark data to advance a field like process mining.

Short bio:

Prof. Dr. Jan Mendling is a Full Professor with the Institute for Information Business at Wirtschaftsuniversität Wien (WU Vienna), Austria. His research interests include various topics in the area of business process management and information systems. He has published more than 350 research papers and articles, among others in ACM Transactions on Software Engineering and Methodology, IEEE Transaction on Software Engineering, Information Systems, Data & Knowledge Engineering, and Decision Support Systems. He is member of the editorial board of six international journals, member of the board of the Austrian Society for Process Management (<http://prozesse.at>), one of the founders of the Berlin BPM Community of Practice (<http://www.bpmb.de>), organizer of several academic events on process management, and member of the IEEE Task Force on Process Mining. His co-authored textbook Fundamentals of BPM, now available in its second edition, is an important reference for this field of research.