Business Intelligence and Agile Methodologies for Knowledge-Based Organizations: Cross-Disciplinary Applications

Asim Abdel Rahman El Sheikh (The Arab Academy for Banking and Financial Sciences, Jordan) and Mouhib Alnoukari (Arab International University, Syria)

Business intelligence applications are of vital importance as they help organizations manage, develop, and communicate intangible assets such as information and knowledge. Organizations that have undertaken business intelligence initiatives have benefited from increases in revenue, as well as significant cost savings.

Business Intelligence and Agile Methodologies for Knowledge-Based Organizations: Cross-Disciplinary Applications highlights the marriage between business intelligence and knowledge management through the use of agile methodologies. Through its fifteen chapters, this book offers perspectives on the integration between process modeling, agile methodologies, business intelligence, knowledge management, and strategic management.

Topics Covered:
- Agile Modeling for Business Intelligence
- Business Intelligence Government Framework
- Business Intelligence in Higher Education
- E-Government Systems
- Knowledge and IT Integration in Organizations
- Knowledge Discovery Process Models
- Measurement of Brand Lift
- Risk Management in Knowledge-Based Organizations
- Web Engineering and Business Intelligence

Print: US $185.00  |  Perpetual: US $280.00  |  Print + Perpetual: US $370.00

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Asim Abdel Rahman El Sheikh is Dean of Information Technology in the Arab Academy for Banking and Financial Sciences (AABFS). He supervised a number of theses in simulation and software engineering. He earned his PhD and MSc from London School of Economics & Political Science, and his BSc from University of Khartoum. He was a researcher in the Computer-Aided Simulation Modeling (CASM) Research Group. He worked as programmer, system analyst & designer in many organizations. He has authored two books and many articles. His research interest areas include SW piracy, software outsourcing, simulation modeling, and SW engineering.
Chapter 1

Business Intelligence:
Alnoukari Mouhib (Arab International University, Syria)
Alhawasli Humam Alhammami (Arab Academy for Banking and Financial Sciences, Syria)
Alnafea Hatem Abd (Arab Academy for Banking and Financial Sciences, Syria)
Zamreek Amjad Jalil (Arab Academy for Banking and Financial Sciences, Syria)

Chapter 2

Agile Software:
Alnoukari Mouhib (Martin Luther University, Germany)

Chapter 3

Knowledge Management in Agile Methods Context:
Alnoukari Mouhib (Martin Luther University, Germany)

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Knowledge Discovery Process Models:
Alnoukari Mouhib (Arab International University, Syria)
El Sheikh Asim (Arab Academy for Banking and Financial Sciences, Jordan)

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Agile Methodologies for Business Intelligence
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Mersanka Vojtěch (Czech University of Life Sciences, Czech Republic)

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Agile Approach to Business Intelligence as a Way to Success
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Mayol E. (Technical University of Catalonia, Spain)
Pastor J.A. (Universitat Oberta de Catalunya, Spain)

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Alkhaldi Firas M. (King Saud University, Saudi Arabia)

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Alnoukari Mouhib (Arab International University, Syria)

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Almaro Sattam (Arab International University, Syria)
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