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Titolo	Emerging trends in learning analytics : leveraging the power of education data / / edited by Myint Swe Khine
Pubbl/distr/stampa	Leiden ; ; Boston : , : Brill Sense, , [2019]
ISBN	9789004399273 9789004396616
Descrizione fisica	1 online resource (xvii, 285 pages)
Collana	Contemporary approaches to research in learning innovations ; 12
Disciplina	370.72
Soggetti	Education - Research - Statistical methods Education - Data processing Learning - Evaluation Educational evaluation Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Matter -- Copyright page -- List of Figures and Tables -- Notes on Contributors -- Introduction -- Big Data Analytics in Education for Dynamic Personalised Learning Design / Myint Swe Khine -- Trends in Learning Analytics -- Post-Traditional Learning Analytics / Alexander Amigud -- The Use of Analytics for Educational Purposes / Min Liu , Zilong Pan , Xin Pan , Dongwook An , Wenting Zou , Chenglu Li and Yi Shi -- A Snapshot of Research on Learning Analytics / Selcan Kilis and Yasemin Gulbahar -- The Benefits of Learning Analytics in Open and Distance Education / Billy Tak-Ming Wong -- Pedagogical Applications of Learning Analytics -- The New Smarts in Teaching and Learning / Jon Mason , Stefan Popenici , Leigh Blackall and Peter Shaw -- Following the Learners' Traces / Arif Altun and Mehmet Kokoç -- Analytical Indicators for Profiling and Improving Engagement and Success of Vulnerable Participants / Mirella Atherton -- Triangulating Student Engagement with "Built and Bought" Learning Analytics / John Fritz and Robert Carpenter -- Learning Analytics and Educational Research -- Implementation of a Learning Analytics System in a Productive Higher Education Environment / Clara Schumacher , Daniel

Klasen and Dirk Ifenthaler -- Discourse Analysis Visualization Based on Community of Inquiry Framework / Masanori Yamada , Yoshiko Goda , Kosuke Kaneko , Junko Handa and Yumi Ishige -- Learning Support Systems Based on Cohesive Learning Analytics / Fumiya Okubo , Masanori Yamada , Misato Oi , Atsushi Shimada , Yuta Taniguchi and Shin'ichi Konomi -- The Learning Analytics and Flipped PBL for Tool-Design Learning / Il-Hyun Jo -- Learning Analytics Cockpit for MOOC Platforms / Karin Maier , Philipp Leitner and Martin Ebner.

Sommario/riassunto

The term 'learning analytics' is defined as the measurement, collection, analysis, and reporting of information about learners and their contexts for the purposes of understanding and optimizing learning. In recent years learning analytics has emerged as a promising area of research that trails the digital footprint of the learners and extracts useful knowledge from educational databases to understand students' progress and success. With the availability of an increased amount of data, potential benefits of learning analytics can be far-reaching to all stakeholders in education including students, teachers, leaders, and policymakers. Educators firmly believe that, if properly harnessed, learning analytics will be an indispensable tool to enhance the teaching-learning process, narrow the achievement gap, and improve the quality of education. Many investigations have been carried out and disseminated in the literature and studies related to learning analytics are growing exponentially. This book documents recent attempts to conduct systematic, prodigious and multidisciplinary research in learning analytics and present their findings and identify areas for further research and development. The book also unveils the distinguished and exemplary works by educators and researchers in the field highlighting the current trends, privacy and ethical issues, creative and unique approaches, innovative methods, frameworks, and theoretical and practical aspects of learning analytics. Contributors are: Arif Altun, Alexander Amigud, Dongwook An, Mirella Atherton, Robert Carpenter, Martin Ebner, John Fritz, Yoshiko Goda, Yasemin Gulbahar, Junko Handa, Dirk Ifenthaler, Yumi Ishige, Il-Hyun Jo, Kosuke Kaneko, Selcan Kilis, Daniel Klasen, Mehmet Kokoç, Shin'ichi Konomi, Philipp Leitner, ChengLu Li, Min Liu, Karin Maier, Misato Oi, Fumiya Okubo, Xin Pan, Zilong Pan, Clara Schumacher, Yi Shi, Atsushi Shimada, Yuta Taniguchi, Masanori Yamada, and Wenting Zou.

2. Record Nr. UNISA996465499803316

Titolo	Foundations of Software Science and Computational Structures [[electronic resource]] : 6th International Conference, FOSSACS 2003 Held as Part of the Joint European Conference on Theory and Practice of Software , ETAPS 2003, Warsaw, Poland, April 7-11, 2003, Proceedings / / edited by Andrew D. Gordon
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2003
ISBN	3-540-36576-1
Edizione	[1st ed. 2003.]
Descrizione fisica	1 online resource (XII, 440 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2620
Disciplina	005.1
Soggetti	Computers Software engineering Computer logic Programming languages (Electronic computers) Theory of Computation Software Engineering/Programming and Operating Systems Logics and Meanings of Programs Software Engineering Programming Languages, Compilers, Interpreters Computation by Abstract Devices
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Paper -- A Game Semantics for Generic Polymorphism -- Contributed Papers -- Categories of Containers -- Verification of Probabilistic Systems with Faulty Communication -- Generalized Iteration and Coiteration for Higher-Order Nested Datatypes -- Ambiguous Classes in the Games ?-Calculus Hierarchy -- Parameterized Verification by Probabilistic Abstraction -- Genericity and the ?-Calculus -- Model Checking Lossy Channels Systems Is Probably Decidable -- Verification of Cryptographic Protocols: Tagging Enforces Termination -- A Normalisation Result for Higher-Order Calculi with Explicit Substitutions -- When Ambients Cannot Be Opened

-- Computability over an Arbitrary Structure. Sequential and Parallel Polynomial Time -- An Intrinsic Characterization of Approximate Probabilistic Bisimilarity -- Manipulating Trees with Hidden Labels -- The Converse of a Stochastic Relation -- Type Assignment for Intersections and Unions in Call-by-Value Languages -- Cones and Foci for Protocol Verification Revisited -- Towards a Behavioural Theory of Access and Mobility Control in Distributed Systems -- The Two-Variable Guarded Fragment with Transitive Guards Is 2EXPTIME-Hard -- A Game Semantics of Linearly Used Continuations -- Counting and Equality Constraints for Multitree Automata -- Compositional Circular Assume-Guarantee Rules Cannot Be Sound and Complete -- A Monadic Multi-stage Metalanguage -- Multi-level Meta-reasoning with Higher-Order Abstract Syntax -- Abstraction in Reasoning about Higraph-Based Systems -- Deriving Bisimulation Congruences: 2-Categories Vs Precategories -- On the Structure of Inductive Reasoning: Circular and Tree-Shaped Proofs in the ?Calculus.