

1. Record Nr.	UNINA9910484339003321
Titolo	Machine Learning Paradigms : Advances in Learning Analytics // edited by Maria Virvou, Efthimios Alepis, George A. Tsihrintzis, Lakhmi C. Jain
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-13743-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (230 pages)
Collana	Intelligent Systems Reference Library, , 1868-4394 ; ; 158
Disciplina	371.334
Soggetti	Computational intelligence Artificial intelligence Learning Instruction Data mining Computational Intelligence Artificial Intelligence Learning & Instruction Data Mining and Knowledge Discovery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book presents recent machine learning paradigms and advances in learning analytics, an emerging research discipline concerned with the collection, advanced processing, and extraction of useful information from both educators' and learners' data with the goal of improving education and learning systems. In this context, internationally respected researchers present various aspects of learning analytics and selected application areas, including: • Using learning analytics to measure student engagement, to quantify the learning experience and to facilitate self-regulation; • Using learning analytics to predict student performance; • Using learning analytics to create learning materials and educational courses; and • Using learning analytics as a tool to support learners and educators in synchronous and

asynchronous eLearning. The book offers a valuable asset for professors, researchers, scientists, engineers and students of all disciplines. Extensive bibliographies at the end of each chapter guide readers to probe further into their application areas of interest.
