1. Record Nr. UNINA9910768440903321

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Titolo	Big Data Analytics for Smart Transport and Healthcare Systems / / Saeid Pourroostaei Ardakani and Ali Cheshmehzangi
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore Pte Ltd., , [2023] ©2023
ISBN	981-9966-20-5
Edizione	[First edition.]
Descrizione fisica	1 online resource (197 pages)
Collana	Urban Sustainability Series
Disciplina	005.7
Soggetti	Big data Medical care - Data processing Transportation - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The Role of Big Data Analytics in Urban Systems: Review and Prospect for Smart Transport and Healthcare Systems -- Smart Transport -- Big Data Analysis for an Optimised Classification for Flight Status: Prediction Analysis using Machine Learning Classifiers -- On-Board Unit Freight Transport Data Analysis and Prediction: Big Data Analysis for Data Pre-processing and Result Accuracy -- Data-driven Multi-target Prediction Analysis for Driving Pattern Recognition: A Machine Learning Approach to enhance Prediction Accuracy -- A Predictive Data Analysis for Traffic Accidents: Real-time Data use for Mobility Improvement and Accident Reduction -- Smart Healthcare -- Healthcare Infrastructure Development and Pandemic Prevention: An Optimal Model for Healthcare Investment using Big Data -- Big Data for Social Media Analysis during the COVID-19 Pandemic: An Emotion Analysis based on Influences from Social Networks -- Big Data-enabled Time Series analysis for Climate Change Analysis in Brazil: An Artificial Neural Network Machine Learning Model -- Optimized Clustering Model for Healthcare Sentiments on Twitter: A Big Data Analysis Approach -- Big Data Analytics and the Future of Smart Transport and Healthcare Systems.
Sommario/riassunto	This book aims to introduce big data solutions in urban sustainability

applications—mainly smart transportation and healthcare systems. It focuses on machine learning techniques and data processing approaches which have the capacity to handle/process huge, live, and complex datasets in real-time transportation and healthcare applications. For this, several state-of-the-art data processing approaches including data pre-processing, classification, regression, and clustering are introduced, tested, and evaluated to highlight their benefits and constraints where data is sensitive, real-time, and/or semi-structured.