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Altri autori (Persone)	HuangZhisheng SharmaManik ChenLu ZhouRui (Computer scientist)
Disciplina	610.285
Soggetti	Medical informatics Artificial intelligence Computer engineering Computer networks Application software Image processing - Digital techniques Computer vision Data structures (Computer science) Information theory Health Informatics Artificial Intelligence Computer Engineering and Networks Computer and Information Systems Applications Computer Imaging, Vision, Pattern Recognition and Graphics Data Structures and Information Theory
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Livello bibliografico	Monografia
Nota di contenuto	Depression & Mental Health -- Detection of depression and its likelihood in children and adolescents: Evidence from a 15-years study

-- A combined attribute extraction method for detecting Postpartum Depression using Social Media -- Network Analysis of Relationships and Change Patterns in Depression and Multiple Chronic Diseases based on the China Health and Retirement Longitudinal Study -- Exploring Etiology of Nonsuicidal Self-Injury by Using Knowledge Graph Approach -- A Question and Answering System for Mental Health of the ElderlyBased on BiLSTM-CRF Model and Knowledge Graph -- Data Security, Privacy & Healthcare Systems -- Australia's Notifiable Data Breach scheme: An analysis of risk management findings for healthcare -- Analysis and Protection of Public Medical Dataset: from Privacy Perspective -- Enhancing Health Information Systems Security: An Ontology Model Approach -- Developing a Risk Management Framework for E-health Care Delivery -- Neurological & Cognitive Disease Studies -- Knowledge-Based Nonlinear to Linear Dataset Transformation for Chronic Illness Classification -- A Robust Approach for Parkinson Disease Detection from Voice Signal -- Analysis on Association between Vascular Risk Factors and Lifestyle Factors with the risk of Dementia/Alzheimer's Disease using Medical Ontologies -- COVID-19 Impact Studies -- Unveiling the Pandemic's Impact: A Dataset for Probing COVID-19's Effects on E-Learning Activities and Academic Performance -- Understanding the influence of multiple factors on the spread of Omicron variant strains via the Multivariate Regression Method -- Analyzing the Impact of COVID-19 on Education: A Comparative Study Based on TOEFL Test Results -- Advanced Medical Data & AI Techniques -- BiblioEngine: An AI-empowered Platform for Disease Genetic Knowledge Mining -- Enhancing Clustering Performance in Sepsis Time Series Data Using Gravity Field -- Multi-modal Medical Data Exploration Based on Data Lake -- Multi-model Transfer Learning and Genotypic Analysis for Seizure Type Classification -- Requirement survey in Thai clinician for designing digital solution of pain assessment -- Predictive Analysis & Disease Recognition -- A Comprehensive Approach for Enhancing Motor Imagery EEG Classification in BCI's -- Image Recognition of Chicken Diseases Based on Improved Residual Networks -- An Adaptive Feature Fusion Network for Alzheimer's Disease Prediction -- A Review on Predicting Drug Target Interactions Based on Machine Learning -- KNN-Based Patient Network and Ensemble Machine Learning for Disease Prediction -- Medical Imaging & Dataset Exploration -- Optimizing the Size of Peritumoral Region for Assessing Non-Small Cell Lung Cancer Heterogeneity Using Radiomics -- Multi-dimensional Complex Query Optimization for Disease-specific Data Exploration Based on Data Lake -- Analyzing Health Risks Resulting from Unplanned Land Use Plan and Structure: A Case Study in Historic Old Dhaka -- Elderly Care & Knowledge Systems -- Home Self-medication Question-Answering System for the Elderly Based on Seq2Seq Model and Knowledge Graph Technology -- Constructing Multi-Constrained Cognitive Diagnostic Test: An Improved Ant Colony Optimization Algorithm -- Enhancing Patient Safety in Pharmacotherapy.

Sommario/riassunto

This book constitutes the refereed proceedings of the 12th International Conference on Health Information Science, HIS 2023, held in Melbourne, VIC, Australia, during October 23–24, 2023. The 20 full papers and 9 short papers included in this book were carefully reviewed and selected from 54 submissions. They were organized in topical sections as follows: Depression & Mental Health, Data Security, Privacy & Healthcare Systems, Neurological & Cognitive Disease Studies, COVID-19 Impact Studies, Advanced Medical Data & AI Techniques, Predictive Analysis & Disease Recognition, Medical Imaging & Dataset Exploration, Elderly Care and Knowledge Systems.
