

# Handbook of Research on Disease Prediction Through Data Analytics and Machine Learning

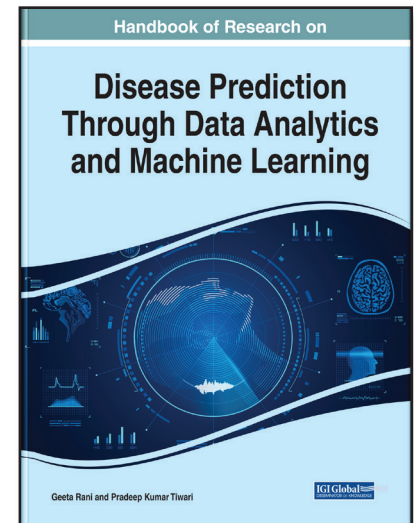
Part of the Advances in Medical Diagnosis, Treatment, and Care Book Series

Geeta Rani (Manipal University Jaipur, India) and Pradeep Kumar Tiwari (Manipal University Jaipur, India)

## Description:

By applying data analytics techniques and machine learning algorithms to predict disease, medical practitioners can more accurately diagnose and treat patients. However, researchers face problems in identifying suitable algorithms for pre-processing, transformations, and the integration of clinical data in a single module, as well as seeking different ways to build and evaluate models.

The **Handbook of Research on Disease Prediction Through Data Analytics and Machine Learning** is a pivotal reference source that explores the application of algorithms to making disease predictions through the identification of symptoms and information retrieval from images such as MRIs, ECGs, EEGs, etc. Highlighting a wide range of topics including clinical decision support systems, biomedical image analysis, and prediction models, this book is ideally designed for clinicians, physicians, programmers, computer engineers, IT specialists, data analysts, hospital administrators, researchers, academicians, and graduate and post-graduate students.



**ISBN:** 9781799827429

**Pages:** 400

**Copyright:** 2020

**Release Date:** June, 2020

**Hardcover:** \$395.00

**E-Book:** \$395.00

**Hardcover  
+ E-Book:** \$475.00

## Topics Covered:

Advanced Data Analytics for Healthcare  
Biomedical Image Analysis  
Clinical Decision Support Systems  
Data Integration  
Genetic Data Analysis  
Information Retrieval

Prediction Models  
Sensor Data Analysis  
Smart ICT  
Text Mining  
Universal Healthcare

**Subject:** Medical, Healthcare, and Life Sciences

**Classification:** Handbook of Research

**Readership Level:** Advanced-Academic Level  
(Research Recommended)

**Research Suitable for:** Advanced Undergraduate  
Students; Graduate Students; Researchers;  
Academicians; Professionals; Practitioners

### Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: [www.igi-global.com](http://www.igi-global.com)

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA