# Special Issue

# Data Mining and Sentiment Analysis in Healthcare

## Message from the Guest Editors

In the present digital era, sentiment analysis or opinion mining in the healthcare domain is becoming increasingly popular as users' feedback are analyzed from social media, blogs, websites, and clinical text. It is also useful in healthcare, including determining patients' moods, emotional tone, syndromes, and monitoring online conversations, etc. Thus, sentiment analysis and data mining in healthcare vulnerability may help to guide whether the individual's opinion concerning a specific theme is negative, positive, or neutral, along with its level. There is a wide range of applications for sentiment analysis, but healthcare is one of the most prominent uses of technology advances in healthcare. Significant progress has been made in the healthcare domain, specifically in data mining and sentiment analysis. This issue's scope will cover unpublished and novel research in healthcare data mining and sentiment analysis. This Special Issue aims to shed light on the sentiment analysis system for data analysis uses natural language processing and machine learning techniques to offer weighted sentiment evaluations to themes, topics, and categories inside a document.

#### **Guest Editors**

Dr. Adnan Muhammad Shah

Chair of Marketing and Innovation, University of Hamburg, Hamburg, Germany

Dr. Wazir Muhammad

Department of Physics, Charles E. Schmidt College of Science, Florida Atlantic University, Boca Raton, FL 33431-0991, USA

### Deadline for manuscript submissions

closed (31 May 2025)



# Healthcare

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.7
Indexed in PubMed



mdpi.com/si/161548

Healthcare
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
healthcare@mdpi.com

mdpi.com/journal/ healthcare





# **Healthcare**

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.7
Indexed in PubMed



## **About the Journal**

### Message from the Editor-in-Chief

Healthcare is an international, scientific, peer-reviewed, open access journal on health care systems, industry, technology, policy, and regulation, and is published semimonthly online by MDPI. Ocular Wellness & Nutrition Society (OWNS) is affiliated with Healthcare and its members receive discounts on article processing charges.

#### Editor-in-Chief

Prof. Dr. Lorraine S. Evangelista

Sue & Bill Gross School of Nursing, University of California, Irvine, CA 92697. USA

#### **Author Benefits**

### **High Visibility:**

indexed within Scopus, SCIE and SSCI (Web of Science), PubMed, PMC, and other databases.

### **Journal Rank:**

JCR - Q2 (Health Policy and Services) / CiteScore - Q1 (Leadership and Management)

### **Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.5 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

