Special Issue

Beyond Diagnosis: Machine Learning in Prognosis, Prevention, Healthcare, Neurosciences, and Precision Medicine

Message from the Guest Editors

This Special Issue will focus on the latest advancements and the transformative power of machine learning (ML) in revolutionizing every aspect of healthcare for predicting future health risks (prognosis), developing preventative measures based on individual patient data, and advancing the field of precision medicine. By exploring how ML can identify patients most susceptible to specific diseases and tailor interventions accordingly, this Special Issue aims to shift the focus from reactive healthcare to proactive prevention and personalized treatment strategies. The vast amount of data generated in healthcare settings, from electronic health records to medical images, contains latent information that can be extracted through advanced techniques and holds enormous potential.

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About the Journal

Message from the Editor-in-Chief

Big Data and Cognitive Computing (BDCC) is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

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