Special Issue

Feature-Rich Artificial Intelligence Models and Applications of Cognition

Message from the Guest Editors

Artificial intelligence (AI) is a rapidly growing trend within cognitive sciences, with fields such as natural language processing, data mining and cognitive network science quickly revolutionizing how we build models of knowledge processing and understanding. Feature-rich models are particularly promising, because they can simultaneously merge networks and non-network information among attributes on nodes, categories of connections or dynamic features. Feature-rich cognitive mining can result in the extraction of new knowledge that a classic network, data mining or natural language approaches alone could not highlight.This Special Issue hopes to attract innovative publications regarding AI-based models grounded in feature-rich representations and of relevance for the investigation or simulation of cognition. In this Special Issue, we wish to include modeling approaches where feature-rich representations of data achieve significant performance boosts that would otherwise not be viable with other approaches or could not be easily interpreted within other modeling paradigms.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2024)

Big Data and Cognitive Computing

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 7.1

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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