Special Issue

Computational Models of Cognition and Learning

Message from the Guest Editors

Artificial intelligence (AI) and cognitive science, psychology, and neuroscience have a long and entwined relationship with many examples of AI and Machine Learning (ML) research intricately coupled with research in cognitive science, psychology, neuroscience, and biology. In this context, computational modelling has been a powerful tool, eminently suitable to address the research goals of these fields. Computational models can help in enhancing both our fundamental and high-level understanding of human learning and cognitive processes, and at the same time provide both inspiration and validation for AI methods and ML techniques to accelerate and steer AI and ML research. This Special Issue will explore the vital importance of this collaboration, disseminating research findings in cognitive science, psychology, and neuroscience that could aid in generating novel methods, models, and frameworks in the fields of AI and ML, and vice versa.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2019)

Big Data and Cognitive Computing

an Open Access Journal by MDPI

Impact Factor 4.4
CiteScore 9.8

mdpi.com/si/21842

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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.

Editor-in-Chief

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