Special Issue

Recommendation, Information Retrieval, and Exploratory Search

Message from the Guest Editor

Recommendation, information retrieval, and exploratory search are prominent, interrelated tasks in intelligent information access. Recommender systems perform information filtering and predict ratings or preferences of users. Information retrieval, in turn, aims at retrieving and ranking content. Lastly, exploratory search can be seen as an information retrieval setting, so that the specific search intent may evolve as the task goes on. For each of these general tasks, several models of content, including language models and content models, scoring methods, interaction paradigms and interfaces, and evaluation methodologies, have been designed. These are based on a variety of statistical and machine learning approaches, as well as several approaches from information visualization, visual analytics and human–technology interaction for interactive systems. In this Special Issue, we are seeking articles that represent the state of the art and novel approaches in these different tasks. We are especially interested in articles in the intersection of these tasks: targeting a combination of their settings and learning goals, or bridging methodological approaches across the tasks.

Guest Editor

Prof. Dr. Jaakko Peltonen

Faculty of Information Technology and Communication Sciences, Tampere University, Kalevantie 4, 33100 Tampere, Finland

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Big Data and Cognitive Computing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
bdcc@mdpi.com

mdpi.com/journal/BDCC

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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

Prof. Dr. Min Chen
School of Computer Science and Engineering, South China University of Technology, Guangzhou 510641, China

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