Call for papers

Educational Technology & Society (SSCI)
Special Issue on
“Strategies, Tools and Applications of Learning Analytics and Educational Big Data”

Objective

In recent years, "Learning Analytics and Educational Big Data" has attracted much attention from educators and researchers. Various applications as well as the potential of learning analytics have been reported, in particular, in the field of open educational resource environments, such as MOOCs. In the meantime, researchers have attempted to applied learning analytics to the educational data collected in the school settings, such as the learning contents in the forms of textbooks or e-books, and students’ learning logs and learning diaries in learning management systems.

On the other hand, many research issues and questions related to learning analytics and educational big data need to be investigated and resolved. For example, it is important to examine the effectiveness of different learning analytics strategies or tools in practical applications. it is also necessary to develop more effective methods or systems for saving, analyzing and visualizing the educational data. In addition, it remains an open issue to propose new strategies to effectively use learning analytics results to improve individual students’ learning performances from the aspects of cognition, affection and skills. More importantly, it is a challenging issue to investigate how the analysis of educational big data can improve teaching strategies and educational policies as well as enhance students’ learning performances.

The purpose of this special issue is to invite researchers who are engaged in learning analytics studies to share and exchange research experiences and findings in various applications. Topics of interests for this special issue include, but are not limited to, the following:

- Effective strategies of using learning analytics and educational data mining in school settings
- Innovative applications of learning analytics and educational data mining
- Predictions and process mining from educational data
- Visualizations of learning activities with Educational Data
- Theories and models for learning analytics
- Personalization and student modeling based on learning analytics
- Evaluations and assessment of learning analytics outcomes
- Design and evaluation of learning analytics-based environments
- Data integration/cleansing methods and management tools for educational big data
- Educational big data analysis for improving teaching strategies and educational policies

Important dates

Paper submission deadline: July 1, 2017

1st review result announcement: September 1, 2017

Revised manuscript due: November 1, 2017

Acceptance notification: December 1, 2018

Publication issue: No 2, 2018

Paper submission:

Submissions to this special issue should be upload to the EasyChair system via the link https://easychair.org/conferences/?conf=2018etssilearningana; alternatively, authors can log in the EasyChair system (https://easychair.org/account/signin.cgi) and select the item "2018-ETS-SI-Learning-Analytics" for uploading submissions.

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