# Special Issue

# Big Data and Data Science in Educational Research

### Message from the Guest Editor

Educational Data Science(EDS) is a growing field of inquiry, primarily concerned with the extraction of information from a large and complex set of educational data, with the purpose of discerning valuable and actionable knowledge. EDS techniques can be applied to explore large quantities of data on students' learning trajectories in learning management systems, social media interaction, faculty teaching practices. These data can be harvested and analysed to reveal useful patterns and insights to support better decisions relating to student learning, teaching and optimisation of institutional resources. This Special Issue will present selected examples of the latest research on the application of Big Data and Data Science concepts, approaches, models, methods and methodologies in educational research. It will cover fundamental concepts and advanced Data Science approaches and analytic methods used in educational research, and ultimately open up opportunities to research and develop new analytical methods and techniques in Big Data applications in educational research.

### Guest Editor

Dr. Ben Kei Daniel

Educational Technology and Research methodologies, Higher Education Development Centre, University of Otago, Dunedin, New Zealand

### Deadline for manuscript submissions

closed (15 December 2018)

**Big Data and Cognitive Computing**

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**Impact Factor 4.4**
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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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