

**Call for Papers for Special Issue on Teaching Analytics**

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This special issue of the *Decision Sciences Journal of Innovative Education* is dedicated to teaching analytics, which is the scientific process of transforming data into insights for the purpose of making better decisions.<sup>1</sup> Analytics is used by organizations committed to data-driven decision making to improve the performance of an enterprise. These methods form part of the management system and embody the particular courses of action that the organization adopts. Business analysts must be well-versed with techniques in business analysis which can be used in addressing current problems. Many educational institutions are integrating analytics content into their existing programs or are developing new programs focused on analytics.

Analytics tools and techniques can be divided into three main categories:<sup>2</sup>

- Descriptive Analytics – using data visualization and data mining tools to describe what has occurred in the past
- Predictive Analytics – using statistical and forecasting analysis to project what will happen in the future
- Prescriptive Analytics – using optimization and simulation analysis to provide advice about what organizations should do in the future

Papers in this special issue can address educational issues related to any or all of these categories of analytics. Specific types of papers of interest for this special issue include, but are not limited to, the following:

- The specific tools and methods that should be included in analytics courses at the undergraduate and graduate levels
- Development of an analytics-focused degree program
- Integrating analytics content into existing functional business programs such as finance, marketing, supply chain and operations management, human resources, etc.
- Teaching analytics in professional disciplines such as health care, sports, music, law, education, etc.
- Teaching briefs that illustrate innovative methods for teaching specific analytics tools or concepts

The timeline of papers submitted to this special issue is as follows:

- June 30, 2019 – Initial submissions due in online system: <https://mc.manuscriptcentral.com/dsjie>
- August 15, 2019 – Initial reviews returned to authors
- September 30, 2019 – Revised manuscripts due in online system
- October 31, 2019 – Manuscripts accepted for the special issue
- January 2020 – Special issue published in DSJIE

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<sup>1</sup> <https://www.informs.org/About-INFORMS/News-Room/O.R.-and-Analytics-in-the-News/Best-definition-of-analytics>

<sup>2</sup> <https://halobi.com/blog/descriptive-predictive-and-prescriptive-analytics-explained/>