# Actionable Pattern-Driven Analytics and Prediction

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## Message from the Guest Editors

This Special Issue focuses on the topic of discovering actionable knowledge in realistic situations and enterprise applications. We thus welcome original, creative, innovative, cutting-edge, and state-of-the-art theoretical and applied contributions on this topic, including on the following aspects: (1) Next-generation data analytics and prediction theories, methodologies, frameworks, and processes to support actionable pattern-driven analytics and prediction; (2) developing new machine learning and optimization algorithms and methods for handling the big data environment to retrieve actionable patterns in a reasonable and acceptable time; (3) design of operational tools and systems to address business concerns and deliver actionable patterns for business purposes and processes; (4) investigation of novel trends in pattern-driven analytics using AI techniques for different domains and applications; and (5) studies on the security and privacy of actionable knowledge discovery and related organizational and social issues.

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# Special Issue

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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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