Data-Driven Artificial Intelligence: Applications and Prospects

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Deadline for manuscript submissions:
30 June 2024

Message from the Guest Editor

The rapid development and prevalence of digital technologies has yielded large volumes of pictures, phrases, and all other varieties of data. In recent years, the use data-driven AI has provided an opportunity to derive all the necessary meaning from the ever-increasing amount of data, and to assist in solving real-world problems. Researchers have been exploring the possibilities of applying data-driven AI to analyze huge datasets. Recent studies have proposed to combining data-driven AI with medical, cybersecurity, manufacturing, precision agriculture, smart cities, and a wide variety of other techniques and areas of industry.

This Special Issue aims to publish original studies concerning the application of data-driven artificial intelligence. Topics of interest include, but are not limited to, the following:

- Machine learning-based big data compression and feature extraction;
- Data-driven intelligence;
- Data-driven cyber threat;
- Data-driven intelligence and applications in IoT/Sensor networks;
- Data-driven approaches in precision agriculture or remote sensing;
- Data-driven approaches in oil and gas production forecasting;
- Data-driven decision making in engineering.

mdpi.com/si/177820

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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