Special Issue

Advances in Operations Research

Message from the Guest Editor

During the last years various researchers have shown that Operations Research (OR) and Machine Learning (ML) do have an huge impact on each other. The main conclusion is to cleverly combine ML and OR in order to have the best of both worlds. There are various way to achieve an improvement, e.g., by using ML for pre-processing and OR for post-processing, to use OR to improve ML, to use ML to improve OR, or apply a hybridization which may even lead to new algorithms. If strengths and weaknesses of both ML and OR are well understood, a combination can be used to level out the weaknesses of one method by the strengths of the other method. In this issue novel research papers from all these possible areas of these combinations are invited, both on a theoretical level including novel algorithms as well as thorough application examples. All authors are highly encouraged to provide their respective computer code and/or data in an open-source repository as well as following the rules of reproducible research as sincere as possible.

Guest Editor

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Deadline for manuscript submissions

closed (20 October 2024)

MDPI

About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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