Special Issue

Machine Learning in Geographical Information Systems (GISs)

Message from the Guest Editors

This Special Issue focuses on the integration of machine learning techniques within GIS to address various challenges related to interdisciplinary fields. Machine Learning algorithms are applied to analyze big data sets within GIS frameworks, enabling enhanced prediction and assessment capabilities. Various Machine Learning models, including supervised and unsupervised learning, reinforcement learning, and deep learning, illustrate adaptability to diverse GIS applications such as land cover classification, remote sensing, spatial clustering, natural hazards, and predictive modeling. The synergy between Machine Learning and GIS offers novel approaches to handling complex spatial datasets, enhancing the efficiency and accuracy of geospatial analyses. This Special Issue aims to encompass innovative methodologies and applications utilizing Machine Learning to explore case studies and real-world applications of Machine Learning in GIS.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2024)

About the Journal

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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