Special Issue

Data Science and Big Data in Biology, Physical Science and Engineering—3rd Edition

Message from the Guest Editor

Big Data analysis is one of the most contemporary areas of development and research in today's world. Tremendous amounts of data are generated daily from digital technologies and modern information systems, including cloud computing and Internet of Things (IoT) devices. Analysis of these enormous amounts of data has become a crucial need and requires a lot of effort to extract valuable knowledge for decision-making, which in turn will help in both academia and industry. Big Data and Data Science have appeared due to the significant need for generating, storing, organising, and processing immense amounts of data. Data Scientists strive to utilize Artificial Intelligence (AI) and Machine Learning (ML) approaches and models, enabling computers to detect and identify the data's meaning and detect patterns more quickly, efficiently, and reliably than humans. The goal of this Special Issue is to explore and discuss various principles, tools, and models in the context of Data Science, as well as diverse and varied concepts and techniques in Big Data, including those from Biology, Chemistry, Biomedical Engineering, Physics, Mathematics, and other areas that utilize Big Data.

Guest Editor

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Editor-in-Chief

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