Special Issue

Novel Techniques and Challenges in Data Anonymization

Message from the Guest Editor

Data generation and sharing have shown a drastic increase in the ongoing decade due to recent technologies such as the Internet of Things (IoT) and Big Data technologies. The reason behind this is the growing sources of data due to huge research and smart revolution (smart grids, cities, devices, credit card transactions, social media activities, or Electronic Health Records (EHR), etc.). The collected data may contain private information (e.g., name, contact number, social security number) about the data owners. In today's modern society, the leakage of such private information is a major concern. Recently in 2019, it has been reported that 41 million healthcare records were breached. Moreover, another report indicates that the U.S. healthcare department lost $6.2 billion annually due to private information leakage in EHR. However, sharing user data is also very important to government agencies and private stakeholders for latest research and policy-making. Therefore, the purpose of Privacy-Preserving Data Publishing (PPDP) methods is to keep the privacy of an individual before publishing the data using anonymization techniques.

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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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