Special Issue

Big Data Challenges in Smart Cities

Message from the Guest Editor

Each day, local authorities are collecting zillions of bytes of data and they urgently long whether those data can be useful in decision-making. The so-called big data are coming from various sources, such as from real-time sensors for air pollution, traffic management and energy management, video-surveillance, administrative forms, GIS 2D or 3D data, GPS tracks, aerial photos, videos from drones, etc., without forgetting crowdsourcing for VGI and public participation. For local administrators and elected officials in smart cities, the optimal use of their big data is very important, since ICT must not be the only the main resource, but rather the overall core of their smart governance. Various challenges are emerging: How to structure big data? How to combine them efficiently and query them? How to extract knowledge, its salient features, determining patterns and trends? How to combine them with deep learning and visualize them? Surely many other challenges will appear. In this Special Issue, we are especially interested in original papers dealing with these aspects, and/or describing novel experiences, as well as enriching big data theories with geographic aspects.

Guest Editor

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Message from the Editor-in-Chief

Data is an open access journal that publishes scientific data in a reliable, citable, and accountable manner. Data grants the opportunity to formally share valuable data, for academic credit. It covers a wide range of disciplines in which data is generated so that published data is discoverable and available for wider re-use. The journal has highly accomplished scientists from a variety of disciplines on the editorial board. The publication emphasizes clarity, honesty, quality, and novelty and has a rigorous peer-review process. We strongly encourage you to share your data vision in Data.

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