

Special Issue

Application of Street View Images and GIS in Urban Studies

Message from the Guest Editor

Street view images (SVIs) are an emerging form of big data. The most significant advantage of SVIs is that they are captured by cameras placed on top of cars, driving along streets. Therefore, SVIs can be utilized to extract environmental street features from a pedestrians' point of view, and have the potential to help reveal the most direct connections between streetscape conditions and human activity. Geo-referenced big data and geographical information science (GIS) methods are usually used together with SVIs in relevant urban studies. This Special Issue focuses on the application of SVIs and GIS in urban studies. We invite contributions that address the associations between urban street contexts and a broad spectrum of research objects (public safety, public health, human activity, transportation, etc.) using SVIs and various spatial analytics, including—but not limited to—spatial statistics, intelligent algorithms (i.e., machine learning and deep learning), and big data analytics. We also welcome studies that produce, design, or share original SVIs or information extracted from SVIs, reusable analytical tools, packages, or models.

Guest Editor

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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Editor-in-Chief

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