Statistical Approaches in Construction Management: Innovations and Applications

Guest Editors:

Dr. Huihua Chen
School of Civil Engineering, Central South University, Changsha, China

Dr. Hongyan Yan
Department of Construction Management, Hunan University of Finance and Economics, Changsha 410205, China

Dr. Zheng He
School of Engineering Management, Hunan University of Finance and Economics, Changsha 410205, China

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Message from the Guest Editors

This Special Issue of *Buildings* seeks to explore the diverse applications of statistical methods in construction management. We are looking for original, high-quality papers that discuss case studies, theoretical explorations, and practical applications in the field. Submissions should focus on, but are not limited to, the following areas:

- The application of statistical techniques in construction project forecasting and planning.
- Risk assessment and management in construction projects using statistical models.
- Use of statistical methods in cost estimation and control.
- Quality assurance and performance evaluation in construction management.
- Big data analytics in construction project management.
- Statistical approaches to sustainable construction and green building practices.
- Case studies showcasing the successful integration of statistical methods in construction projects.

We welcome contributions from researchers, practitioners, and professionals who are working at the forefront of this exciting intersection of construction management and statistics. Descriptive papers that address real-world applications and innovative approaches are particularly welcome.

Special Issue

Editor-in-Chief

Prof. Dr. David Arditi
Construction Engineering and Management Program, Department of Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL 60616, USA

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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