

Practical Environmental Statistics and Data Analysis

New!

Advanced Topics in Environmental Science Series

“ This book provides a valuable contribution to our understanding of statistical methods that are of particular relevance to environmental problem solving and decision making. The book chapters, written by authors with a wide range of academic and professional backgrounds, provide basic information about appropriate statistical methodologies to be employed when studying environmental problems, as well as practical guidance for applying them to specific types of issues and cases. ”

Taken from the Foreword by Robert B. Wenger, Professor Emeritus, Natural and Applied Sciences (Mathematics), University of Wisconsin–Green Bay, Wisconsin, USA

Most environmental problems involve a large degree of uncertainty, and one way to improve understanding of the issues affecting the global environment is the use of statistics. This book describes the application of statistical methods in different environmental fields, with an emphasis on how to solve real-world problems in complex systems.

The book provides a perspective on how environmental professionals are practicing statistics in areas such as environmental forensics, ecological populations, environmental policy-making, groundwater monitoring networks and water quality monitoring. A section containing figures in full colour illustrates the topics discussed. The pitfalls of common statistical methods are also included to assist practitioners.

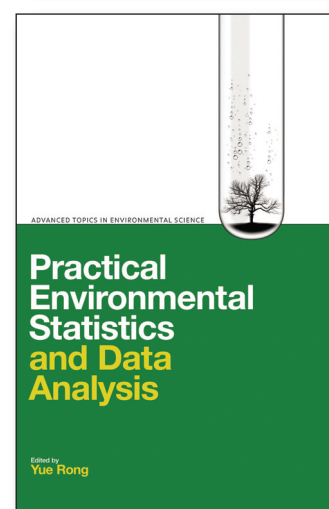
With chapters contributed by international experts with backgrounds in academia, industry and government agencies, this book is required reading for environmental decision-makers, planners and regulators, as well as academics and professionals in environmental science, engineering and mathematics.

The Editor

Dr Yue Rong (aka YR) is currently the Environmental Program Manager at the Los Angeles Regional Water Quality Control Board of the California Environmental Protection Agency, USA. He has more than 20 years' experience with the Agency in dealing with groundwater contamination problems in the Los Angeles area of California. He is the recipient of the Board's Outstanding Achievement Award and Supervisory Performance Award. He also received the 2011 Association of Environmental Health Sciences (AEHS) Foundation Achievement Award.



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Advanced Topics in Environmental Science

Series Editor: Grady Hanrahan, John Stauffer Endowed Chair of Analytical Chemistry, California Lutheran University, Thousand Oaks, California, USA

This series of high-level reference works provides a comprehensive look at key subjects in the field of environmental science. The aim is to describe cutting-edge topics covering the full spectrum of physical, chemical, biological and sociological aspects of this important discipline. Each book is a vital technical resource for scientists and researchers in academia, industry and government-related bodies who have an interest in the environment and its future sustainability.

If you would like to contribute a book to the series, please contact Lindsey Langston, Commissioning Editor, ILM Publications, by email at lindsey@ilmpublications.com

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