

Special Issue

Statistical Methods in Social and Environmental Epidemiology

Message from the Guest Editors

Statistical methods are a fundamental tool in epidemiological research, and were developed by Pearson, Fisher and others in the 20th century. In the 21st century, with significant advances in computer technology, it is now possible to analyse complex datasets that were previously impossible due to the limitations of human and computer capabilities. Thanks to well-designed statistical software, basic statistical methods such as the T-test, F-test and χ^2 -square test can now be performed in an instant, and relatively complex analyses that used to be time-consuming, such as multiple logistic regression analysis and covariance structure analysis, can be easily performed by anyone. This Special Issue will feature articles on the introduction of useful statistical methods, examples of analyses of specific data, theoretical explanations of novel statistic methods, and future perspectives in the field of social and environmental epidemiology. Contributions on the latest advanced analytical methods are of course welcome, but please provide explanations that are easy to understand and useful for the general epidemiologist who is not familiar with statistics.

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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.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

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