Methods for Meta-Analysis in Medical Research

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DESCRIPTION

With meta-analysis methods playing a crucial role in health research in recent years, this important and clearly-written book provides a much-needed survey of the field.

Meta-analysis provides a framework for combining the results of several clinical trials and drawing inferences about the effectiveness of medical treatments. The move towards evidence-based health care and practice is underpinned by the use of meta-analysis. This book:

* Provides a thorough criticism and an up-to-date survey of meta-analysis methods

* Emphasises the practical approach, and illustrates the methods by numerous examples

* Describes the use of Bayesian methods in meta-analysis

* Includes discussion of appropriate software for each analysis

* Includes numerous references to more advanced treatment of specialist topics

* Refers to software code used in the examples available on the authors' Web site

Practising statisticians, statistically-minded clinicians and health research professionals will benefit greatly from the clear presentation and numerous examples. Medical researchers will grasp the basic principles of meta-analysis, and learn how to apply the various methods.
ABOUT THE AUTHOR

Alex Sutton has published extensively on meta-analysis methodology generally, and on publication bias specifically in recent years, including a major systematic review on the topic of the methodology that has been developed for meta-analysis. He currently has an active interest in the area of partially reported study information, which is currently under-researched. Dr. Sutton is co-author of a textbook on meta-analysis (Methods for Meta Analysis in Medical Research), which was published by Wiley in 2000.

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