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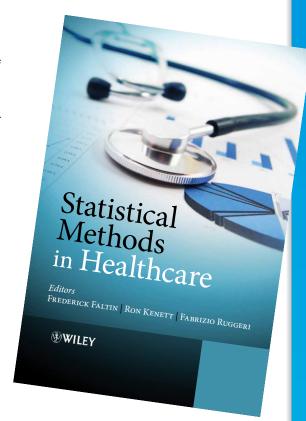


Statistical Methods in Healthcare

Edited by Frederick Faltin, Ron Kenett and Fabrizio Ruggeri

During the last few years the number of innovative medicinal products and devices submitted and approved by regulatory bodies declined dramatically. The medical product development process is no longer able to keep pace with increasing technologies, science and innovations. The goal of the critical research path is to develop new scientific and technical tools and to make product development processes more efficient and effective. This chalenge involves an increasing use of statistical methods.

Statistical Methods in Healthcare focuses on the application of statistical methodologies to evaluate promising alternatives, and to optimize performance and demonstrate effectiveness of those that warrant pursuit, which is critical to success.



This book looks at the statistical methods used in planning, delivering and monitoring health care, as well as selected statistical aspects of the development and/or production of pharmaceuticals and medical devices.

This book focuses on the following aspects addressing these challenges:

- The use of analytical and monitoring schemes to evaluate therapeutic performance.
- Implementation of innovative approaches to clinical development strategy.
- · Adopting new technological advances by the pharmaceutical industry.
- The application of modern quality management systems to clinical practice, and to pharmaceutical development and production processes.
- The use of modern Statistical methods such as Adaptive Design, Seamless Design, Data Mining, Bayesian networks and Bootstrapping that can be applied to support the challenging new vision.

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Editors-in-chief: Fabrizio Ruggeri, Ron S. Kenett and Frederick W. Faltin

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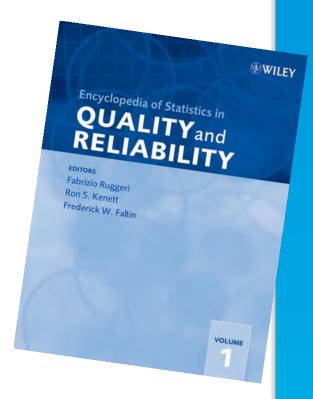
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