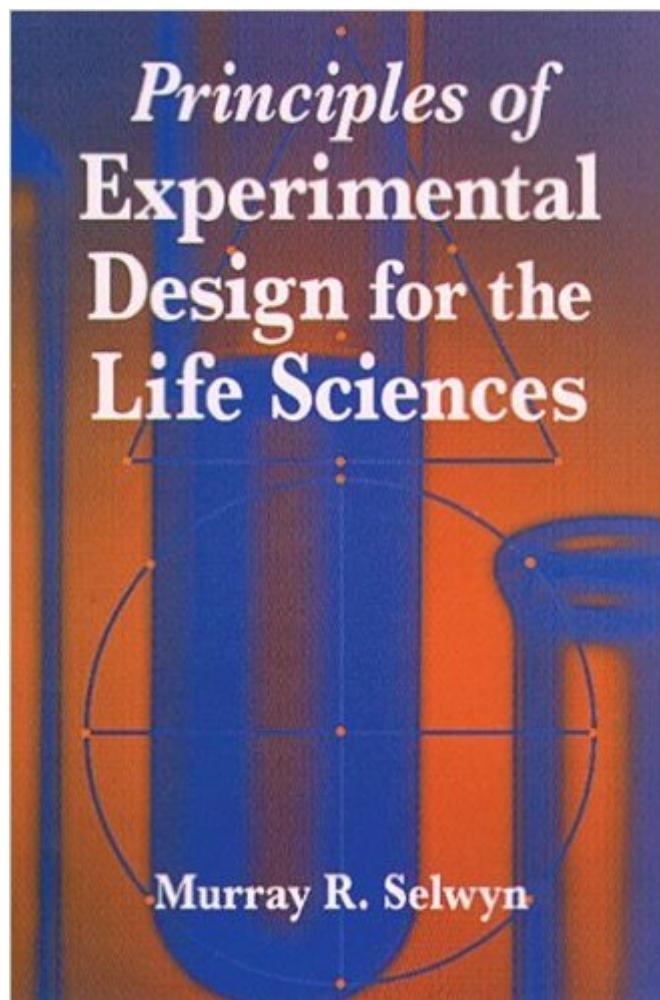


The book was found

# Principles Of Experimental Design For The Life Sciences



## Synopsis

Let this down-to-earth book be your guide to the statistical integrity of your work. Without relying on the detailed and complex mathematical explanations found in many other statistical texts, *Principles of Experimental Design for the Life Sciences* teaches how to design, conduct, and interpret top-notch life science studies. Learn about the planning of biomedical studies, the principles of statistical design, sample size estimation, common designs in biological experiments, sequential clinical trials, high dimensional designs and process optimization, and the correspondence between objectives, design, and analysis. Each of these important topics is presented in an understandable and non-technical manner, free of statistical jargon and formulas. Written by a biostatistical consultant with 25 years of experience, *Principles of Experimental Design for the Life Sciences* is filled with real-life examples from the author's work that you can quickly and easily apply to your own. These examples illustrate the main concepts of experimental design and cover a broad range of application areas in both clinical and nonclinical research. With this one innovative, helpful book you can improve your understanding of statistics, enhance your confidence in your results, and, at long last, shake off those statistical shackles!

## Book Information

Hardcover: 176 pages

Publisher: CRC Press; 1 edition (May 23, 1996)

Language: English

ISBN-10: 0849394619

ISBN-13: 978-0849394614

Product Dimensions: 0.5 x 6.8 x 9.8 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ  See all reviewsÂ  (1 customer review)

Best Sellers Rank: #1,380,010 in Books (See Top 100 in Books) #333 inÂ  Books > Textbooks > Medicine & Health Sciences > Research > Biostatistics #589 inÂ  Books > Medical Books > Basic Sciences > Biostatistics #1000 inÂ  Books > Medical Books > Research

## Customer Reviews

This slim volume offers a great overview for how to design experimental research studies for the life sciences. It is relatively light on mathematical formulas, but emphasizes the rational step by step approach one needs to take to plan out a study that will avoid the pitfalls of experimental design (or lack thereof) that can spell disaster for the researcher. The writing is understandable and straight

forward. A number of practical examples are presented throughout the book which facilitate an understanding of the concepts presented. One key area which I especially appreciated was Selwyn's discussion of Power from the standpoint of sample size and how this can influence the selection of a particular experimental design. In summary, this is an excellent text for classes which study scientific methods and design in the life sciences, and a good companion for a standard statistics text book. It is also great for investigators who want to conduct their research in a scientifically sound and efficient manner.

[Download to continue reading...](#)

Principles of Experimental Design for the Life Sciences Experimental Psychology (PSY 301 Introduction to Experimental Psychology) Experimental Design with Applications in Management, Engineering and the Sciences Student Solutions Manual for Stewart/Day's Calculus for Life Sciences and Biocalculus: Calculus, Probability, and Statistics for the Life Sciences Vacuum Ultraviolet Spectroscopy II, Volume 32 (Experimental Methods in the Physical Sciences) College Mathematics for Business, Economics, Life Sciences & Social Sciences (11th Edition) Finite Mathematics for Business, Economics, Life Sciences, and Social Sciences (13th Edition) Calculus for Business, Economics, Life Sciences, and Social Sciences (13th Edition) Finite Mathematics for Business, Economics, Life Sciences and Social Sciences, Books a la Carte Edition (13th Edition) Health Sciences Literature Review Made Easy (Garrard, Health Sciences Literature Review Made Easy) The Three Cultures: Natural Sciences, Social Sciences, and the Humanities in the 21st Century Experimental Design: From User Studies to Psychophysics Quality by Experimental Design, Fourth Edition Experimental Methods in Rf Design (Radio Amateur's Library) Experimental Design for Combinatorial and High Throughput Materials Development 30 Life Principles (Life Principles Study) Feng Shui: Wellness and Peace- Interior Design, Home Decorating and Home Design (peace, home design, feng shui, home, design, home decor, prosperity) The Complete Works of Herbert Spencer: The Principles of Psychology, The Principles of Philosophy, First Principles and More (6 Books With Active Table of Contents) Revolutionary Dreams: Utopian Vision and Experimental Life in the Russian Revolution Life Coaching: Life Coaching Blueprint: Save A Life One Person At A Time (BONUS 30MINUTE Life Coaching Session- How To Motivate, Inspire, Change Your Life)

[Dmca](#)