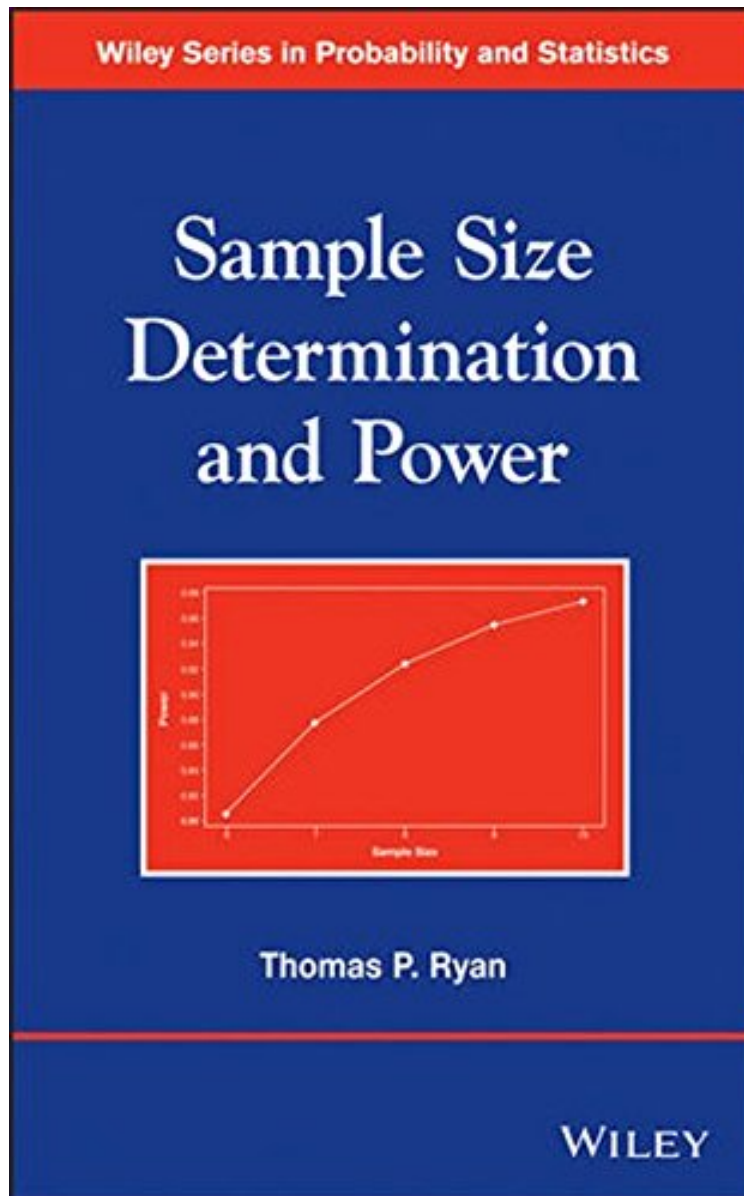


(Get free) Sample Size Determination and Power

Sample Size Determination and Power

Thomas P. Ryan

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Thomas P. Ryan : Sample Size Determination and Power before purchasing it in order to gage whether or not it would be worth my time, and all praised Sample Size Determination and Power:

2 of 2 people found the following review helpful. Great coverage of the topicBy JimGreat review of the topics covered. Comprehensive in that the topics are explored from several angles and the author comments on many of the

considerations that come up in practice. My background is engineering, and I have taken several graduate level stats courses, but the topic of sample size always seems to get put on the back burner. I purchased the book to fill in gaps in my own understanding, and the book was perfect for that. The only improvement I would suggest is to have more examples or problems to work out at the end of the chapters. If I could give this 4.9 stars, I would. This might not be a great book for someone who is new to stats.

0 of 0 people found the following review helpful. Very useful, whenever someone ask me about sample size

By CustomerVery useful, whenever someone ask me about sample size, now, I have a place to start and it great to have it in the computer

2 of 2 people found the following review helpful. Recommended for applied statisticians

By Terence Mills "How large should my sample be?" is a question that is often put to applied statisticians. This book is a valuable resource for answering this question. Of course there are web sites that will do the calculation, but, in my experience, they often do not give me much understanding of the theory that underpins the calculation. In this book, Ryan blends theory, practical advice, a guide to software and an overview of the research literature - he has lots of references. There are exercises for each chapter too - with answers to selected exercises. Right now I am looking for information on sample size problems for repeated measures designs: Ryan has some helpful pages on this not-so-standard topic. Also, Ryan writes well. I recommend this book to any applied or industrial statistician: it will be a good addition to your professional library. Finally, I like the size of the book (374 pages) - good for reading on the train. "Sample size determination and power" should be in every university library.

A comprehensive approach to sample size determination and power with applications for a variety of fields

Sample Size Determination and Power features a modern introduction to the applicability of sample size determination and provides a variety of discussions on broad topics including epidemiology, microarrays, survival analysis and reliability, design of experiments, regression, and confidence intervals. The book distinctively merges applications from numerous fields such as statistics, biostatistics, the health sciences, and engineering in order to provide a complete introduction to the general statistical use of sample size determination. Advanced topics including multivariate analysis, clinical trials, and quality improvement are addressed, and in addition, the book provides considerable guidance on available software for sample size determination. Written by a well-known author who has extensively class-tested the material, Sample Size Determination and Power: Highlights the applicability of sample size determination and provides extensive literature coverage

Presents a modern, general approach to relevant software to guide sample size determination including CATD (computer-aided trial design)

Addresses the use of sample size determination in grant proposals and provides up-to-date references for grant investigators

An appealing reference book for scientific researchers in a variety of fields, such as statistics, biostatistics, the health sciences, mathematics, ecology, and geology, who use sampling and estimation methods in their work, Sample Size Determination and Power is also an ideal supplementary text for upper-level undergraduate and graduate-level courses in statistical sampling.

This very comprehensive book is well structured. (International Statistical , 1 October 2015)

In summary, this book succeeds in the authors aim of providing a general purpose text for readers interested in methodology without much technical fuss. In general, the book focuses on providing wealth of discussions and reviews for sample size and power and is an excellent source for up-to-date software and references for a wide range of topics related to sample size determination. (International Statistical , 1 March 2015)

From the Back Cover

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About the Author

THOMAS P. RYAN, PhD, teaches online advanced statistics courses for Northwestern University and The Institute for Statistics Education in sample size determination, design of experiments, engineering statistics, and regression analysis.