Sampling of Populations: Methods and Applications

Paul S. Levy, Stanley Lemeshow
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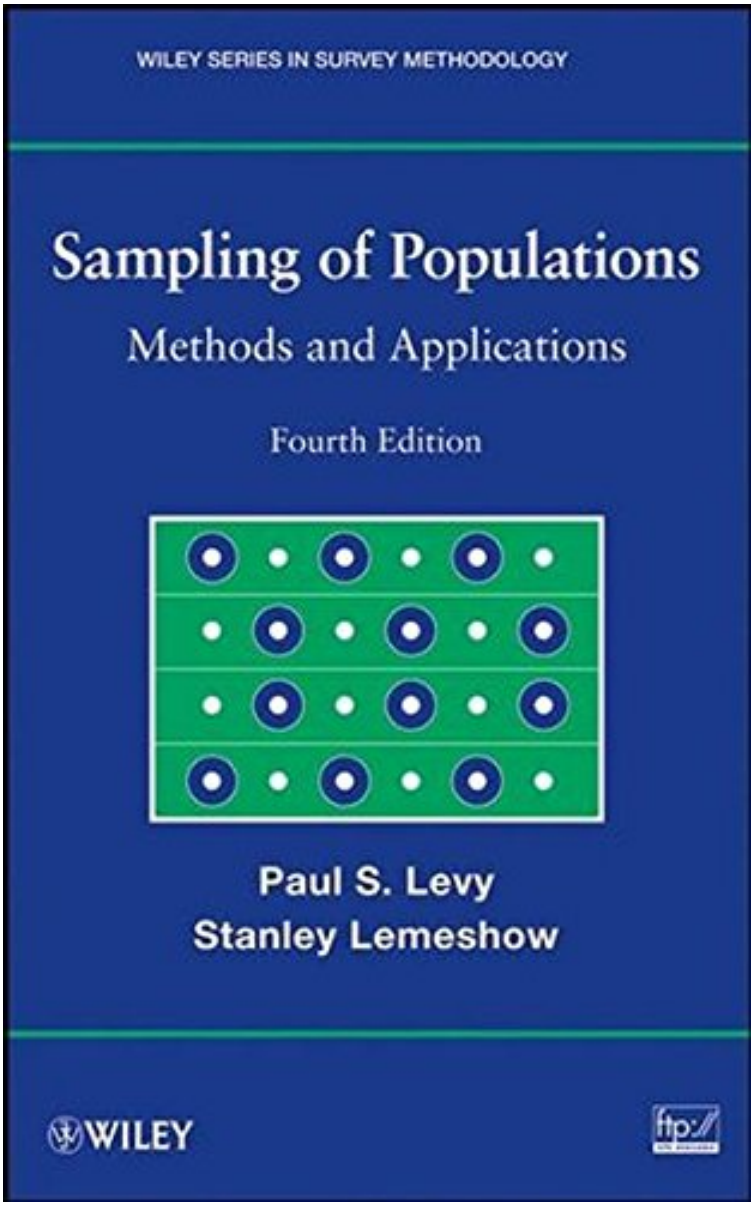

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Paul S. Levy, Stanley Lemeshow : Sampling of Populations: Methods and Applications before purchasing it in order to gage whether or not it would be worth my time, and all praised Sampling of Populations: Methods and Applications:

1 of 1 people found the following review helpful. Struggling Stat Nerd in Sampling Survey CourseBy struggling stat

nerdI'm taking a sampling course at Columbia. It uses Sharon Lohr's book Sampling Design and Analysis. Lohr's book is great if you're a statistician and are deeply immersed in statistical notation. If you are someone like me who uses stats in applied settings and haven't had a pure stats class in years and don't know statistical notation very well, then the Levy Lemeshow book is far superior to Lohr's. Both books follow the same outline only Levy and Lemeshow give good examples of applying the theory, work through the problems and the notations are clearly explained. In a chapter on cluster sampling Lohr uses an example of some analyst measuring egg volume in coots' clutches while Levy and Lemeshow demonstrate the same principle using a sample problem involving hospitals. Guess which is easier to understand - hospitals. After struggling for the first 6 weeks of my sampling course I gave up on Lohr and spent most of my time reading Levy and Lemeshow. I highly recommend this for anyone trying to learn sampling statistics0 of 6 people found the following review helpful. Brand ScanBy T. N. BadriBoth authors are from public health schools. One is from Amherst, MA. Go Umass! This does make studying statistics more interesting. One can easily adapt the sampling design and methods to marketing surveys that are required of MBA students.12 of 14 people found the following review helpful. Clear and to the point.By A CustomerThe best thing about this book is that it summarizes all the equations in boxes throughout the book. Therefore you don't have to hunt down the equations you need, unlike with many other statistics books. The book's explanations are clear and to the point, and therefore makes a great desk reference.The one sole downside to this text is its price. $90 is a bit steep for this small light weight volume.

A trusted classic on the key methods in population samplingnow in a modernized and expanded new edition Sampling of Populations, Fourth Edition continues to serve as an all-inclusive resource on the basic and most current practices in population sampling. Maintaining the clear and accessible style of the previous edition, this book outlines the essential statistical methodsfor survey design and analysis, while also exploring techniques that have developed over the past decade. The Fourth Edition successfully guides the reader through the basic concepts and procedures that accompany real-world sample surveys, such as sampling designs, problems of missing data, statistical analysis of multistage sampling data, and nonresponse and poststratification adjustment procedures. Rather than employ a heavily mathematical approach, the authors present illustrative examples that demonstrate the rationale behind common steps in the sampling process, from creating effective surveys to analyzing collected data. Along with established methods, modern topics are treated through the book's new features, which include: A new chapter on telephone sampling, with coverage of declining response rates, the creation of "do not call" lists, and the growing use of cellular phones A new chapter on sample weighting that focuses on adjustments to weight for nonresponse, frame deficiencies, and the effects of estimator instability An updated discussion of sample survey data analysis that includes analytic procedures for estimation and hypothesis testing A new section on Chromy's widely used method of taking probability proportional to size samples with minimum replacement of primary sampling units An expanded index with references on the latest research in the field All of the book's examples and exercises can be easily worked out using various software packages including SAS, STATA, and SUDAAN, and an extensive FTP site contains additional data sets. With its comprehensive presentation and wealth of relevant examples, Sampling of Populations, Fourth Edition is an ideal book for courses on survey sampling at the upper-undergraduate and graduate levels. It is also a valuable reference for practicing statisticians who would like to refresh their knowledge of sampling techniques.

The book remains a very appropriately written text for classroom use, especially for students studying public health or epidemiology, or for undergraduate majors in statistics and related fields. (Biometrics, June 2009)From the PublisherIntended for the working professional, it offers a practical look at the basic concepts and procedures of sample design with a minimum of mathematical formality and technical jargon. Specifically designed as a user-friendly guide, it discusses the various procedures for drawing a sample (e.g., systematic sampling and probability proportionate to size sampling) in a step-by-step manner that readers can follow almost like a manual. In addition, the book makes use of numerous demonstrations and examples, instead of extended mathematical proofs, for the purpose of giving the reader a clear understanding of the rational for procedures used in sampling. The volume is a revision and expansion of an earlier text that takes into account major developments in sampling methodology over the past decade.From the Back CoverA trusted classic on the key methods in population samplingnow in a modernized and expanded new edition Sampling of Populations, Fourth Edition continues to serve as an all-inclusive resource on the basic and most current practices in population sampling. Maintaining the clear and accessible style of the previous edition, this book outlines the essential statistical methodsfor survey design and analysis, while also exploring techniques that have developed over the past decade. The Fourth Edition successfully guides the reader through the basic concepts and procedures that accompany real-world sample surveys, such as sampling designs, problems of missing data, statistical analysis of multistage sampling data, and nonresponse and poststratification adjustment procedures. Rather than employ a heavily mathematical approach, the authors present illustrative examples that demonstrate the rationale behind common steps in the sampling process, from creating effective surveys to analyzing collected data. Along with established methods, modern topics are treated through the book's new features, which include: A new chapter on telephone sampling, with coverage of declining response rates, the creation of "do not call"

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