Monte Carlo Simulation and Resampling Methods for Social Science

Thomas M. Carsey, Jeffrey J. Harden
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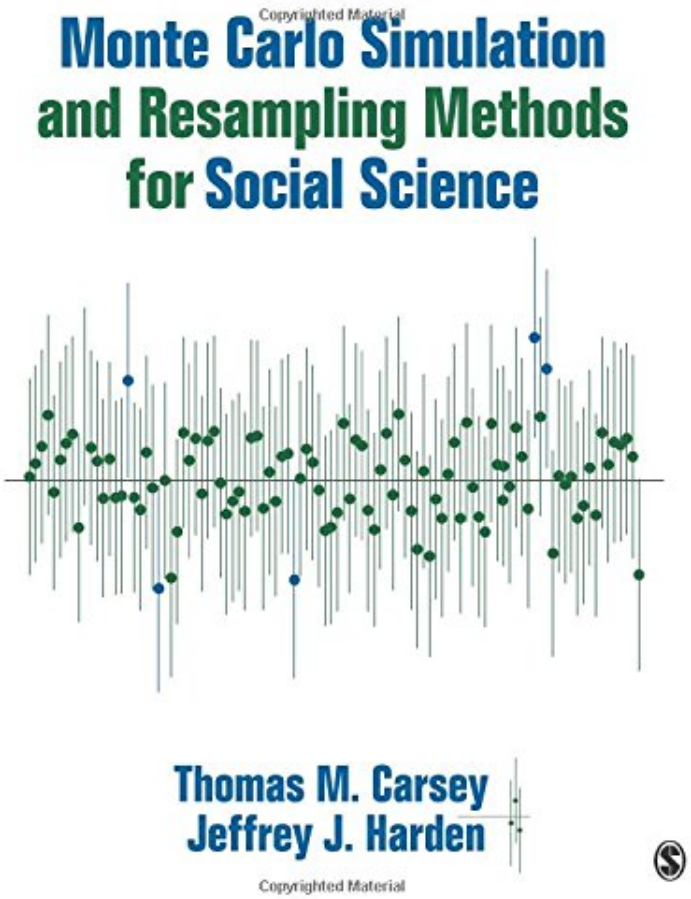

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Thomas M. Carsey, Jeffrey J. Harden : Monte Carlo Simulation and Resampling Methods for Social Science before purchasing it in order to gage whether or not it would be worth my time, and all praised Monte Carlo Simulation and Resampling Methods for Social Science:

0 of 0 people found the following review helpful. Wonderful bookBy Cannon Gray LLCWonderful book. I thought I knew all I needed to know about Monte Carlo simulations but how wrong I was!8 of 9 people found the following review helpful. If you need an overview of simulations, this is a great bookBy AmySNeeded something that I could hand to grad students and postdocs to cover the basics and enough detail to get them moving on Monte Carlo simulations. If you have a working knowledge of the language of research and statistics, this book is very accessible and has good coverage. Obviously, it is not for everybody, but for the target audience, it is a gem.1 of 1 people found the following review helpful. Useful bookBy Jim KennedyI found this book to be a useful introduction to R as well as a useful resource on simulations.

Taking the topics of a quantitative methodology course and illustrating them through Monte Carlo simulation, Monte Carlo Simulation and Resampling Methods for Social Science, by Thomas M. Carsey and Jeffrey J. Harden, examines abstract pr

"There is no text like this that is geared toward a social science market." --Wendy K. Tam Cho, University of Illinois at Urbana-Champaign--Wendy K. Tam Cho (06/18/2013)"[The] writing is direct and to the point... I can't underemphasize that part. Too many methods books try to soften the technical edge by throwing in lots of commentary." --Paul Johnson (06/18/2013)Statistical simulation has become an essential tool of modern statistics and data analysis--useful for evaluating estimators, calculating features of probability distributions, transforming difficult-to-interpret statistical results into meaningful quantities of interest, and even helping with alternative theories of inference. Simulation perspectives also offer a terrific way to learn many aspects of statistical modeling. Join Tom Carsey and Jeff Harden for a clearly written and deeply practical book on this crucial topic. Your scholarly work will be better for it.--Gary KingCarsey and Harden have written an intuitive and practical primer to a radical--but increasingly widely used--approach to statistical inference: Monte Carlo and resampling. They focus on using these techniques to evaluate more standard statistical approaches, but in the process, they convey their broader use and importance. They also teach the reader about statistical inference at a much more basic level than do most social science treatments of empirical methods. Their book is destined to be used widely in graduate social science statistics classes around the world.--Christopher MooneyMonte Carlo simulation and resampling are the workhorse of modern methods. Carsey and Harden provide the perfect, accessible guide to learn this fundamental, must-have skill for social scientists.--Janet M. Box-Steffensmeier[The] writing is direct and to the point... I can't underemphasize that part. Too many methods books try to soften the technical edge by throwing in lots of commentary.--Paul Johnson (06/18/2013)There is no text like this that is geared toward a social science market. --Wendy K. Tam Cho (06/18/2013)Bradley Efron discussed the newly-invented bootstrap and other computationally intensive statistical techniques in a 1979 article entitled "Computers and the Theory of Statistics: Thinking the Unthinkable." But as computer power grew exponentially and software for simulation greatly improved, what was once unthinkable has become routine. Carsey and Harden have performed a service by making modern tools for random simulation and resampling methods (like the bootstrap) accessible to a broad readership in the social sciences, developing these methods from first principles, and showing how they can be applied both to understand statistical ideas and in practical data analysis.--John Fox There is no text like this that is geared toward a social science market. (Wendy K. Tam Cho 2013-06-18)[The] writing is direct and to the point... I cant underemphasize that part. Too many methods books try to soften the technical edge by throwing in lots of commentary. (Paul Johnson 2013-06-18)Bradley Efron discussed the newly-invented bootstrap and other computationally intensive statistical techniques in a 1979 article entitled"Computers and the Theory of Statistics: Thinking the Unthinkable." But as computer power grew exponentially and software for simulation greatly improved, what was once unthinkable has become routine. Carsey and Harden have performed a service by making modern tools for random simulation and resampling methods (like the bootstrap) accessible to a broad readership in the social sciences, developing these methods from first principles, and showing how they can be applied both to understand statistical ideas and in practical data analysis. (John Fox)Statistical simulation has become an essential tool of modern statistics and data analysisuseful for evaluating estimators, calculating features of probability distributions, transforming difficult-to-interpret statistical results into meaningful quantities of interest, and even helping with alternative theories of inference. Simulation perspectives also offer a terrific way to learn many aspects of statistical modeling. Join Tom Carsey and Jeff Harden for a clearly written and deeply practical book on this crucial topic. Your scholarly work will be better for it. (Gary King)Carsey and Harden have written an intuitive and practical primer to a radicalbut increasingly widely usedapproach to statistical inference: Monte Carlo and resampling. They focus on using these techniques to evaluate more standard statistical approaches, but in the process, they convey their broader use and importance. They also teach the reader aboutstatistical inferenceat a much more basic level than do most social science treatments of empirical methods.Their bookis destined to be used widely in graduate social science statistics classes around the world. (Christopher Mooney)Monte Carlo simulation and resampling are the workhorse of modern methods. Carsey and Harden provide the perfect, accessible guide to learn this fundamental, must-have skill for social scientists. (Janet M. Box-Steffensmeier)About the AuthorThomas M. Carsey is the Thomas J. Pearsall Distinguished Professor of Political Science and Director of the Odum Institute for Research in Social Science at the University of North Carolina at Chapel Hill. His research interests revolve around representation in American politics and quantitative methods. Within American politics, Carseys work focuses on state politics, campaigns and elections, public opinion and mass behavior, partisanship and party polarization, and legislative politics. His methodological interests include all aspects of computational social science with specific interests in Monte Carlo simulation, resampling methods, clustered and pooled data, and methods for contextual analysis. Carseys research has been funded by several grants from the National Science Foundation, and he has published articles in journals such as American Political Science , American Journal of Political Science, Journal of Politics, State Politics Policy Quarterly, and many others.Jeffrey J. Harden is

an assistant professor in the Department of Political Science at the University of Colorado, Boulder specializing in political methodology and American politics. He received his PhD in political science from the University of North Carolina at Chapel Hill. His methodology interests include model selection, robust regression methods, multilevel data, and the use of Monte Carlo simulation to better understand issues that arise in applied analysis. His research agenda in American politics focuses on political representation, mass/elite linkages, and state politics. Harden has published articles in Political Analysis, Sociological Methods Research, Legislative Studies Quarterly, State Politics Policy Quarterly, and Public Choice.