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Sheldon M. Ross

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Sheldon M. Ross



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Probability and Statistics by Example Yu. M. Suhov, Mark Kelbert, 2014-09-22 A valuable resource for students and teachers alike, this second edition contains more than 200 worked examples and exam questions. **Loss Models** Stuart A. Klugman, Harry H. Panjer, Gordon E. Willmot, 2019-05-07 A guide that provides in-depth coverage of modeling techniques used throughout many branches of actuarial science, revised and updated. Now in its fifth edition, *Loss Models: From Data to Decisions* puts the focus on material tested in the Society of Actuaries (SOA) newly revised Exams STAM (Short Term Actuarial Mathematics) and LTAM (Long Term Actuarial Mathematics). Updated to reflect these exam changes, this vital resource offers actuaries and those aspiring to the profession a practical approach to the concepts and techniques needed to succeed in the profession. The techniques are also valuable for anyone who uses loss data to build models for assessing risks of any kind. *Loss Models* contains a wealth of examples that highlight the real-world applications of the concepts presented and puts the emphasis on calculations and spreadsheet implementation. With a focus on the loss process, the book reviews the essential quantitative techniques such as random variables, basic distributional quantities, and the recursive method, and discusses techniques for classifying and creating distributions. Parametric, non-parametric, and Bayesian estimation methods are thoroughly covered. In addition, the authors offer practical advice for choosing an appropriate model. This important text presents a revised and updated edition of the classic guide for actuaries that aligns with newly introduced Exams STAM and LTAM. It contains a wealth of exercises taken from previous exams, includes fresh and additional content related to the material required by the Society of Actuaries (SOA) and the Canadian Institute of Actuaries (CIA). Offers a solutions manual available for further insight, and all the data sets and supplemental material are posted on a companion site. Written for students and aspiring actuaries who are preparing to take the SOA examinations, *Loss Models* offers an essential guide to the concepts and

techniques of actuarial science *Encyclopedia of Research Design* Neil J. Salkind,2010-06-22 Comprising more than 500 entries the Encyclopedia of Research Design explains how to make decisions about research design undertake research projects in an ethical manner interpret and draw valid inferences from data and evaluate experiment design strategies and results Two additional features carry this encyclopedia far above other works in the field bibliographic entries devoted to significant articles in the history of research design and reviews of contemporary tools such as software and statistical procedures used to analyze results It covers the spectrum of research design strategies from material presented in introductory classes to topics necessary in graduate research it addresses cross and multidisciplinary research needs with many examples drawn from the social and behavioral sciences neurosciences and biomedical and life sciences it provides summaries of advantages and disadvantages of often used strategies and it uses hundreds of sample tables figures and equations based on real life cases Publisher s description

R by Example Jim Albert, Maria Rizzo,2012-01-28 R by Example is an example based introduction to the statistical computing environment that does not assume any previous familiarity with R or other software packages R functions are presented in the context of interesting applications with real data The purpose of this book is to illustrate a range of statistical and probability computations using R for people who are learning teaching or using statistics Specifically this book is written for users who have covered at least the equivalent of or are currently studying undergraduate level calculus based courses in statistics These users are learning or applying exploratory and inferential methods for analyzing data and this book is intended to be a useful resource for learning how to implement these procedures in R

A First Course in Probability Sheldon M. Ross,2010 This title features clear and intuitive explanations of the mathematics of probability theory outstanding problem sets and a variety of diverse examples and applications

Geometric Methods in Artificial Intelligence and Wireless Networks Dian Gong,2008

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