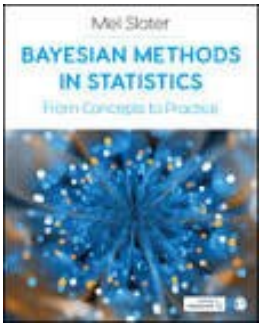
NEW ACQUISITIONS

STATISTICS



Slater, Mel, Bayesian Methods in Statistics: From Concepts to Practice London: SAGE Publications Ltd, [c2022] [CO QA 279.5 .S578 2022]

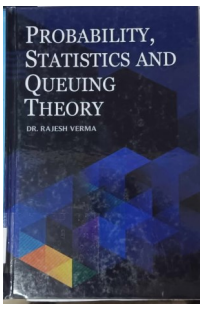
This book walks you through learning probability and statistics from a Bayesian point of view.

From an introduction to probability theory through to framework for doing rigorous calculations of probability, it discusses Bayes' Theorem before illustrating how to use it in a variety of different situations with data addressing social and psychological issues.

The book also:

- Equips you with coding skills in the statistical modelling language Stan and programming language R.
- Discusses how Bayesian approaches to statistics compare to classical approaches.
- Introduces Markov Chain Monte Carlo methods for doing Bayesian statistics through computer simulations, so you can understand how Bayesian solutions are implemented.

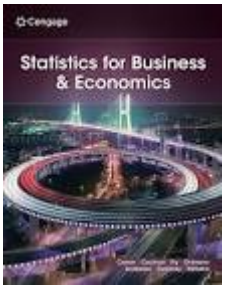
For readers with some understanding of basic mathematical functions and notation, this book will get you up and running so you can do Bayesian statistics with confidence.



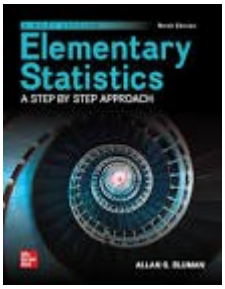
Verma,Rajesh, Probability, Statistics and Queuing Theory New Delhi: Random Publications LLP, [c2023] [CO-FI QA 273 .V47 2023]

Probability means possibility. Probability is the section of mathematics that deals with the results of random events. The word probability means chance or possibility of an outcome. It explains the possibility of a particular event occurring. Probability theory describes the chance of occurrence of a particular outcome by using certain formal concepts. Probability theory makes use of some fundamentals such as sample space, probability distributions, random variables, etc. to find the likelihood of occurrence of an event. Queuing theory refers to the study comprising a queue's features, functions, and imperfections. This mathematical study is very relevant in operation research since its appropriate application helps in eliminating operational bottlenecks and service failures. Probability, Statistics, and Queuing theory is considered to be 'tough' subjects by most engineering and science students all over the world. This book is designed for students at the upper undergraduate level. It may also be used as a self-study book for the practicing computer science professional.

Camm, Jeffrey D., Statistics for Business & Economics 15e Boston, MA: Cengage, [c2024] [CO HF 1017 .A6 2024]



This text is the 15th Edition of Statistics for Business & Economics. In this edition, we include procedures for statistical analysis using Excel and JMP student Edition 16. In this Cengage eBook, we also include instructions for using the exceptionally popular open-source language R to perform statistical analysis.



Bluman, Allan G., Elementary Statistics: A Step-by-Step Approach: A Brief Version 9th Edition New York, NY: McGraw Hill LLC, [c2025] [CO QA 276.12 .B58 2025]

Elementary Statistics: A Brief Version was written as an aid in the beginning Statistics course for students whose mathematical background is limited to basic algebra. The book follows a non-theoretical approach without formal proofs, explaining concepts intuitively and supporting them with abundant examples. The applications span a broad range of topics including problems in business, sports, health, architecture, education, entertainment, political science, psychology, history, criminal justice, and many more. While a number of important changes have been made in this next edition, the learning system remains untouched and provides students with a useful framework in which to learn and apply concepts.

Loveless, Matthew, Political Analysis: A Guide to Data & Statistics London: SAGE Publications, [c2023] [CO JA 71.7 .L68 2023]

Why let other people explain the world to you?

From news reporting on elections or unfolding political crises to everyday advertising, you are confronted with statistics. Rather than being swayed by bad arguments and questionable correlations, this book introduces you to the most common and contemporary statistical methods so that you can better understand the world. It's not about mindless number crunching or flashy techniques but about knowing when to use statistics as the best means to analyse a problem.

Whether you want to answer:

"Who is most likely to turn out and vote at the next election?" or "What accounts for some political conflicts escalating to war?"

you'll explore what can and can't be done with statistics, and how to select the most appropriate statistical techniques and correctly interpret the results.

Perhaps you simply want to understand enough to pass your statistics class and move on. Maybe you want to build your knowledge so that you are not excluded from research and debate. Or it could be the first step towards more advanced study. Whatever your goal, this book guides you through the journey, empowering you to confidently in-