



2021. XII, 527 p. 148 illus., 130 illus. in color.

Printed book

Hardcover

€ 159,99 | £ 139,99 | \$ 199.99
€ (D) 171,19 | € (A) 175,99 |
CHF 189.00

eBook

€ 121,49 | £ 111,50 | \$ 149.00
€ (D) 129,99 | € (A) 129,99 |
CHF 151.00

Available from your library or
springer.com/shop

MyCopy ^[1]

Printed eBook for just

€ | \$ 24.99

springernature.com/mycopy

Lifelong 40% discount for authors



Special offer / Get 20% off the printed book or eBook!

Use the following token on Springer.com

4WwSCTaWdCAnCpw / Valid Oct 1, 2021 – Oct 29, 2021

Y. Nazarathy, H. Klok

Statistics with Julia

Fundamentals for Data Science, Machine Learning and Artificial Intelligence

- Includes over 200 short code examples to illustrate dozens of key statistics concepts
- Solidifies the understanding of probability and statistics of professionals that are already working in data science, machine learning, or artificial intelligence
- Focuses on concepts to improve fundamental understanding

This monograph uses the Julia language to guide the reader through an exploration of the fundamental concepts of probability and statistics, all with a view of mastering machine learning, data science, and artificial intelligence. The text does not require any prior statistical knowledge and only assumes a basic understanding of programming and mathematical notation. It is accessible to practitioners and researchers in data science, machine learning, bio-statistics, finance, or engineering who may wish to solidify their knowledge of probability and statistics. The book progresses through ten independent chapters starting with an introduction of Julia, and moving through basic probability, distributions, statistical inference, regression analysis, machine learning methods, and the use of Monte Carlo simulation for dynamic stochastic models. Ultimately this text introduces the Julia programming language as a computational tool, uniquely addressing end-users rather than developers. It makes heavy use of over 200 code examples to illustrate dozens of key statistical concepts. The Julia code, written in a simple format with parameters that can be easily modified, is also available for download from the book's associated GitHub repository online. See what co-creators of the Julia language are saying about the book: Professor Alan Edelman, MIT: With "Statistics with Julia", Yoni and Hayden have written an easy to read, well organized, modern introduction to statistics. The code may be looked at, and understood on the static pages of a book, or even better, when running live on a computer. Everything you need is here in one nicely written self-contained [...]

Order online at springer.com (Same day processing for Web Shop orders) / or for the Americas call (toll free) 1-800-SPRINGER (777-4643) 24 hours a day, 7 days a week. / or email us at: customerservice@springernature.com. / for outside the Americas call +49 (0) 6221-345-0 / or email us at: customerservice@springernature.com

€ and € are net prices, subject to local VAT. The €(D) / €(A) are gross prices and include German / Austrian VAT. CHF: recommended retail price including VAT.

Americas: Tax will be added where applicable. Canadian residents, please add PST, QST and GST.

Standard shipping is free of charge for orders from the website. Express shipping costs are calculated according to the weight, how and where it is shipped. Ordering via phone, email or post, you will be charged shipping, whether shipping Standard or Express. [1] No discount for MyCopy