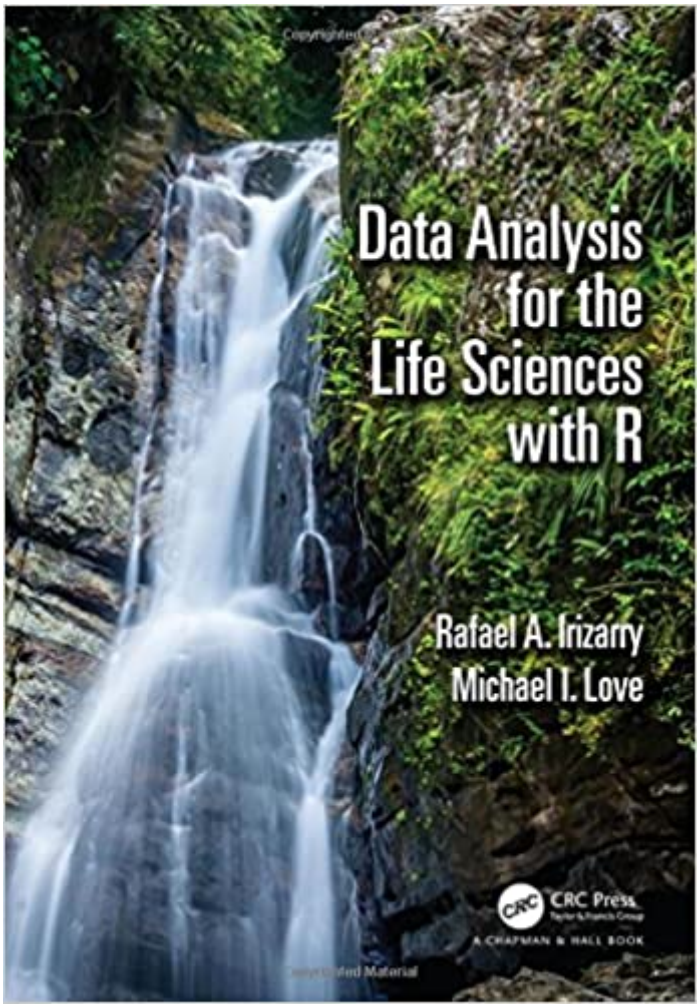
Data Analysis For The Life Sciences With R



Synopsis

This book covers several of the statistical concepts and data analytic skills needed to succeed in data-driven life science research. The authors proceed from relatively basic concepts related to computed p-values to advanced topics related to analyzing highthroughput data. They include the R code that performs this analysis and connect the lines of code to the statistical and mathematical concepts explained.

Book Information

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Customer Reviews

Rafael A. Irizarry is Professor of Applied Statistics at the Dana Farber Cancer Center and Harvard School of Public Health. In 2009 he was awarded The Presidents' Award by the Committee of Presidents of Statistical Societies (COPSS). His work has been highly cited and his open source software tools widely downloaded. Michael I. Love is a Postdoctoral Fellow at Harvard School of Public Health. He received his Ph.D. in computational biology in 2013 from the Freie UniversitÃƒÂ¤t Berlin. Professors Irizarry and Love have taught seven computational biology courses on edX to hundreds of thousands of students.

The book covers many of the fundamental statistical concepts and data analytical ideas necessary. As a postdoc in this field, it's a great refresher and wonderful piece to help teach or relearn the concepts. The inclusion of R code makes all the theory easily accessible! In short, this is an amazing reference that every self-respecting individual should have on their desk and/or library.

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