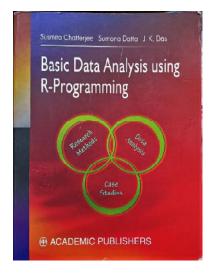
Book Review

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Basic Data Analysis using R-Programming *Authors* Susmita Chatterjee, Sumona Datta and J. K. Das

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The book discusses several data analysis techniques in R software. However, unlike many other textbooks currently in the Indian market by native authors focussing on data analysis, the authors came up with a unique methodology where more emphasis is laid on practical handson approach rather than a simple book on research and

statistical methods. The abstract nature of the text is student-friendly as it engages the reader through lucid numerical examples, simple executable R programs which the students can follow at its entirety. The supplementary tutorials, case studies and exercises in every chapter explains the statistical theory in a concise way without too much detail. The packed, easy-to-digest writing all throughout is surely a motivation for beginners to head start in data analysis.

Also, this book fulfils the dearth of text concentrated towards data analysis in R, as mostly data scientists prefer Python, as the computational language preferred both in industry and academia alike. But core statisticians and researchers still analyse in R, much more suited towards problems where more heavy-lifting in statistics is required.

The different chapters include the nature and scope of research methodology, examining the data, its transformation and visualization in R. The last four chapters introduce practical software implementations of descriptive and correlation statistics, parametric and non-parametric testing, multiple and logistics regression techniques.

It is not complementary to core statistical theoretical knowledge as the book does not delve much into equations and maths underlying every concept, but provides enough to gain interest in the subject. A practical hands-on book on statistical methods, but not enough to suffice the need for in-depth and thorough understanding as the authors have refrained excessive detail given the compact nature and more case-study approach. As a suggestive measure, I would request the authors to make an online accessible case-study booklet version accompanying the R programs, readily executable through computer access.

Overall, this book is definitely recommended text for researchers and statisticians who are beginning their careers, as a reference to start with. It covers the basic course of statistical analysis in R, at the undergraduate level or someone in research, and thus requires minimal background in mathematics. As per the current course structure of CBCS syllabus, the book does fair justice towards Indian students through the straightforward explanations of important concepts, numerical examples and references, the right dose to grasp all the basic techniques that are required in most statistical problems.