



Multivariate Statistical Quality Control Using R (SpringerBriefs in Statistics)

By Edgar Santos-Fernández

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?????The intensive use of automatic data acquisition system and the use of cloud computing for process monitoring have led to an increased occurrence of industrial processes that utilize statistical process control and capability analysis. These analyses are performed almost exclusively with multivariate methodologies. The aim of this Brief is to present the most important MSQC techniques developed in R language. The book is divided into two parts. The first part contains the basic R elements, an introduction to statistical procedures, and the main aspects related to Statistical Quality Control (SQC). The second part covers the construction of multivariate control charts, the calculation of Multivariate Capability Indices.

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Multivariate Statistical Quality Control Using R (SpringerBriefs in Statistics) By Edgar Santos-Fernández Bibliography

- Sales Rank: #2220233 in Books
- Published on: 2012-10-01
- Original language: English
- Number of items: 1
- Dimensions: 9.26" h x .33" w x 6.11" l, .40 pounds
- Binding: Paperback
- 127 pages

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Editorial Review

Review

The author does a nice job explaining a variety of concepts and clearly demonstrates their use with examples supported by R code and graphics...In summary, I believe that this is a good R text on MSQC methods and how to implement them in R. I would recommend this text to quality, industrial, and process engineers.
Technometrics 65:1 2014

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