A transnational group of scholars, with a solid reputation in the area of quantitative methods in general, as well as in the area of implementing the statistical procedures methods in quality and viability, brought to light a new volume in the research of quality.

The authors, with various backgrounds – in Mathematics and/or Cybernetics (Ion Partachi and Viorel Gh. Voda) and Economics (Alexandru Isaic-Maniu and Lilian Bejan) – give a highly academic outlook to the preoccupations they have in the domain of quality statistics.

In this regard, the present paper constitutes an important mark for interested students in master and PhD programs and, in the same time, offers practical and interesting solutions for other specialists confronting with aspects related to quality control in the business or research environments.

Without ignoring the classical procedures in quality control statistics, the present volume also reveals the latest innovations in the methodology validated by the international scientific community.