

ON THE ROBUSTNESS OF CHARTS FOR VARIABLES

K.K. Sharma and Bhupendra Singh

ABSTRACT

Assuming lot-to-lot quality variations, the acceptance sampling plans and related concepts have been put in the Bayesian framework. However, in this set up, updating the basic distribution in view of prior variations in its parameters is still to be investigated. Following the concept, the study deals with the analysis of the robust character of charts for variables when variations in lot-to-lot quality (or standards) are suspected.