

Unbiased Estimation of Fraction Nonconforming in Wald Sequential Sampling for Attribute Inspection

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Abstract

A procedure is presented that provides an unbiased estimate with precision better than the maximum likelihood estimate for fraction nonconforming in both item-by-item and group sequential attribute sampling plans. Relying on a computer to eliminate time-consuming manual calculations for obtaining the estimate, the procedure is programmed in BASIC. Two example outputs are given.