

ABSTRACT

A binomial distribution is often used to monitor attribute control data. In this paper, a statistical model is developed for attribute control chart under truncated life test. On the basis of Burr X & XII, Inverse Gaussian and exponential life time truncated distributions, a Shewhart-type attribute control chart is constructed to monitor the data. The performance of attributed control chart based on truncated life test is evaluated by average run length (ARL), which compares the performance of all distributions. Our study concludes that inverse Gaussian is better distribution among all.