

Estimation under Progressive Interval Type-I Censoring for Reciprocal Exponential Distribution

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Abstract

In this paper likelihood interval estimation is discussed using progressive type-I interval censored sample for a continuous lifetime model. Classical inference is carried out using simulation of such a censored sample. A numerical example is given to illustrate the theoretical results.

Keywords: Progressive type I censoring; reciprocal exponential distribution, maximum likelihood estimation; confidence interval estimation, survival function.