

Inferential procedures for log logistic distribution with doubly interval censored data

ABSTRACT

The log logistic model with doubly interval censored data is examined. Three methods of constructing confidence interval estimates for the parameter of the model were compared and discussed. The results of the coverage probability study indicated that the Wald outperformed the likelihood ratio and jackknife inferential procedures.

Keyword: Doubly interval censored; Jackknife; Likelihood ratio; Log logistic; Wald