

Rank estimators versus least square estimators for estimating the parameters of semiparametric accelerated failure time model

ABSTRACT

Rank-based method and least square approach are the most common techniques for estimating the regression parameters of accelerated failure time model. In this study, both inference procedures are considered their advantages and disadvantages are explained and their similarities and differences are discussed.

Keyword: Accelerated failure time model; Rank-based inference; Least square method; Semiparametric method; Censored data; Linear regression; Biostatistics