

Analysis of Truncated Lifetime Data

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Truncated data arise when individuals are recruited according to a certain sampling criterion. In the random truncation model, existing statistical inferences about the survival function and regression analysis for the survival time require the key assumption that the survival time and truncation time are independent. We introduce a log-rank-type approach for assessing the association between survival time and covariates based on truncated data without requiring that the survival time and truncation time are independent. Examples are presented to illustrate the performance of our proposed method.

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