

Analysis of Dependently or Parametrically Truncated Survival Data

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Abstract

Randomly truncated survival data arise when the failure time is observed only if it falls within a subject-specific truncating set. Two assumptions are commonly made:

1. the truncation process is quasi-independent of the failure process and
2. the truncation process follows a uniform distribution. However, methods are not available when independence does not hold, and formal tests of goodness-of-fit are not available.

In this talk I will address these needs and describe a structural modeling approach for use when dependence holds and propose goodness-of-fit tests for use in semi-parametric analyses.

This work is joint with *Emily Martin* and *Micha Mandel*.