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Three-stage estimation procedures for the negative exponential distributions. (English)

Zbl 0629.62034

Authors' abstract: Fixed width confidence interval estimation problems for location parameters of negative exponential populations have been studied. Three-stage sampling procedures have been developed for both the one- and two-sample situations. The discussions are primarily concerned with second order expansions of various characteristics of the proposed procedures including those for the achieved coverage probability in either problem. Some simulated results are also presented to indicate the usefulness of the procedures for moderate sample sizes.

Reviewer: K.Inada

MSC:

62F25	Parametric tolerance and confidence regions
62F10	Point estimation

Cited in **10** Documents

Keywords:

one-sample case; Fixed width confidence interval; location parameters; negative exponential populations; Three-stage sampling procedures; two- sample situations; second order expansions; coverage probability; simulated results

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