

Comments on "A new bias correction technique for Weibull parametric estimation" by Sébastien Blachère (Paper 2015-0377)

The proposed technique for Monte Carlo simulation of Type I censoring is not valid. The proposal is a type of Bayesian analysis as determinations regarding censoring are not all made prior to the beginning of the test. This is a violation of fundamental statistical principles.

In this case, I see no technique that would allow Monte Carlo simulation for Type I censoring while reproducing the sequence of failures and suspensions. For your situation with few or no failures, any simulation will yield cases with no failures, which will not allow an L10 estimate even with a fixed shape parameter for the Weibull distribution.

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