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**On the Bayes Estimators of Parameter and Reliability Function
of the Zero-Truncated Generalized Poisson Distribution**

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Abstract

In this paper Bayes estimator and reliability function of the zero-truncated generalized Poisson distribution (ZTGPPD) are obtained. Furthermore, recurrence relations for the estimator of the parameters are also derived. Monte Carlo simulation technique has been used for comparing the Bayes estimator and reliability function of ZTGPD with the corresponding maximum likelihood estimator (MLE).

Keywords: *Zero-truncated generalized Poisson distribution, reliability function, Bayes estimator, recurrence relation, Monte Carlo simulation, maximum likelihood estimation.*