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Bayesian Analysis for Nakagami Distribution and its Applications

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ABSTRACT

In this paper, we propose Bayes estimators for two parameter Nakagami distribution under different loss functions by assuming distinct priors. Also some structural properties are obtained. Finally, we illustrate the results using a simulation study as well as by doing real data analysis in order compare the performance of the proposed estimators with the corresponding Bayes estimators obtained under different loss functions and the classical estimators.

Keywords: *Posterior distribution, Bayes estimator, Loss functions, R software.*