



SDI Review Form 1.6

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_41368
Title of the Manuscript:	A COMPARISON BETWEEN MAXIMUM LIKELIHOOD AND BAYESIAN ESTIMATION METHODS FOR THE SCALE PARAMETER OF THE WEIBULL-EXPONENTIAL DISTRIBUTION
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	1) I think the work on the scale parameter α is as exercise as in many papers such as the paper entitle "COMPARISON BETWEEN BAYESIAN AND MAXIMUM LIKELIHOOD ESTIMATION OF SCALE PARAMETER IN WEIBULL DISTRIBUTION WITH KNOWN SHAPE UNDER LINEX LOSS FUNCTION" B.N. Pandey, Nidhi Dwivedi and Pulastya Bandyopadhyay Journal of Scientific Research Vol. 55, 2011 : 163-172 . and 2) "Bayesian Estimation of Two-Parameter Weibull Distribution Using Extension of Jeffreys' Prior Information with Three Loss Functions" https://www.hindawi.com/journals/mpe/2012/589640/ 3) I think it's better if the author(s) work on the parameters β or λ may be they can find new technique (contribution) to do it. 4) There are many papers in this field must be added to the references.	Thank you for the comments sir/ma. We have included more relevant references as suggested. To the best of our knowledge, comparisons between the Bayesian and maximum likelihood estimation for scale parameter of the Weibull-Exponential distribution has not been considered in the literature. That was why we chose to work with the scale parameter. We can however improve on this present work by considering the shape parameters in our future work. This is also open to other researchers that might be interested in working the shape parameters.
Minor REVISION comments	Equation (1) . its not correct $\left[\left(1 - e^{-\lambda x} \right)^{\beta-1} \right]^n$ Line 83 add α The paper is fully similar formulas presented in the same way Try to use different ways to present the work in good show Write more mathematical details for the equations such as 7, 9 Line 118 equation (3.21); where is in the whole paper Some misprint in the whole paper need some revision	Equation (1) is correct sir/ma, we used summation instead of 'n' because 'x' in included in the bracket. We have however changed the equation numbering but it's still in Line 71. That you for this sir/ma, in line 118, we have changed the statement "Equation (3.21)" to an appropriate equation number.
Optional/General comments	Simulation study section why the authors generate small random samples of size n = 5, 10	We considered sample sizes n=25, 35, 75, 125