



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2013_BJMCS_7930
Title of the Manuscript:	Bayesian Inference Based on the Interval Grouped Data from the Weibull Model with Application

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
Overall, the authors did not improve the manuscript according to what has been suggested: 1. Better motivation has not been presented. 2. I have suggested the use of an asymmetric loss function. Instead, the authors were contended with pointing out to the two references I suggested before. 3. In item 5 of my previous report, I have asked a question: how would the problem be handled if both parameters are unknown? No response ! 4. In item 6: what should be done when the hyper-parameters are unknown? No response ! 5. The section on prediction has not been improved. In Minor Revision: • The mathematical expressions are badly typed and no improvements have been tried. • Items 2 and 3 did not change ! In item 3, the signs in the exponent of the last term are wrong ! • When β is assumed to be known, we usually write $\pi(\beta G)$ and not $\pi(\beta, \theta G)$.	1)we review the paper and try to motivate it 2) Please see the new lines 72-80 and we already use two symmetric losses. 3) If both parameters are unknown, one way is to assume the parameters are independent, and to assume a non informative uniform prior for the shape parameter and the inverted gamma for the scale and then obtain the joint prior for the two parameters and then make a Bayesian inference. 4)If both parameters a,b are unknown 1)we can use the non informative prior Jeffrey prior With a=b=0 , 2)estimate two percentiles of the prior distribution Distribution 3)using of locally invariant prior proposed by Hartigan with a=0,b=1 5) Pleasesee lines202-212 6) Pleasesee the proof in the appendix1 7)for $\pi(\beta, \theta G)$, please see equation(12) in line 109, and also lines 172,176