



SDI Review Form 1.6

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
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.

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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		
Minor REVISION comments	Lines (71 and 74): I think the both [Loss function and the general entropy loss functions] are must be <u>numbered</u>. Lines (124 and 127): The authors can give the <u>references</u> for Equations (12 and 13). Line (225): After line (225), for more explanation, this sentence can be written <u>[as illustrated in tables (1) and (2)]</u> .	Done, please see equation (1), (2), and (3). Done, the authors are derived the 2 equations. Done, Page 7 , Line 224.
Optional/General comments	Lines (137 and 138): [Mathematically the estimators in (15) and (16) are sufficient for computing and modifications] <u>Give an (reason) explanation, why?</u> Lines (214 and 215): <u>Can the authors explain, while they used the Bayesian approach to obtain estimator for the Weibull scale parameter, and what about the Weibull shape parameter which the value given as $\beta = 2.10185$.</u> Line (241): [This efficiency increases as the numbers of intervals increases] <u>.If there is any explanation for these increases.</u>	Done, new sentence is written, Page 5. (Mathematically, since the estimators in (19), and (20) are in closed form, they are sufficient for computing and modifications.) Done, new sentence is added, Page 7. (Since the interval grouped data have specific loss of information about the exact failure times, the obtained Bayesian estimator derived in this paper are compared with the maximum likelihood estimator using the complete ungrouped data.) Done, new sentence is added, Page 8. This result is satisfied, as the number of interval increases, the loss of information about the exact failure times decreases.