

Review Form 1.7

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_103987
Title of the Manuscript:	An Extension of the Chen Distribution: Properties, Simulation Study and Applications to Data
Type of the Article	OriginalResearch 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:

<https://www.journalajpas.com/index.php/AJPAS/editorial-policy>)

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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1- It will be better to add other statistical functions as order statistics, entropy and stress strength model</p> <p>2- Adding another estimation approach like Bayesian or method as OLS or maximum product spacing will be better, by the way; why did you set sub section for only &quot;5.1 Maximum Likelihood Estimation&quot; ?!!! if you have only one subject you do not need to mention it in a subsection and it is better to mention it in the main section.</p> <p>3- where is the asymptotic confidence intervals?</p> <p>4- I see the serious problem is founded in the simulation study and its comments: i- I think 100, 000 iterations is a huge number, I think only 10000 is enough or you found a problem in estimators value and did not mention it ii- you did not study the estimator performance or the relative performance which are the main objects in any simulation study, and how did you know the consistency where you did not compare the real value of parameters with its estimates?!!! iii- what did you mean by this $\theta = (b, d, \theta)$ in page 10 line 3? iv. In table 1 first column, the parameters are b, d, θ why you write a, b, b v. I think it's better to see the simulation study section in another published paper</p> <p>5- Another serious problem is founded in the Data Analysis section: You wrote two examples for data analysis in the same Table 2, where is Table 3?</p> <p>6- In the conclusion section, really, you did not conclude anything because you just wrote another abstract or gave just a summary, what did you conclude about your work and what did you advise the researchers?!!!!</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 		
<p>Optional/General comments</p>		

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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