

Review Form 1.6

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_93192
Title of the Manuscript:	Useful Extensions of the Juchez Probability Distribution: Properties and 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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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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	<p>This paper investigates the inverse and power Juchez distribution. Some relevant properties are studied and the distributions can altogether model many varieties of datasets emanating from different life phenomena. And then, a generator for other generalized distributions termed Juchez-G is developed to suffice for the relevance of robust model development. Finally, IJD and PJD showed to be a better fit over both the baseline distribution and their respective counterpart distributions, with respect to the datasets used. The proposed method is interesting and the performance is superior. However, the following comments need to be considered in the revised version:</p> <ol style="list-style-type: none"> 1. Please check carefully the expressions of the grammar and the spelling of words, and then rewrite these sentences. (1) Line 2 in Section Introduction on page 2: "...the comparative study on coefficient of variation showed that it is a flexible distribution." (2) The second paragraph Page 2: "... the limitations of inverse exponential distribution to properly model data sets that are highly skewed or that exhibit heavy tails was detailed in the development of Generalized Inverse Exponential distribution Abouammoh and Alshingiti." Please consider splitting these sentences into two. (3) The second paragraph on Page 2: "In like manner, Power Lindley distribution Ghitany was seen to model data sets that are also highly skewed and that exhibit heavy tails." 2. It is suggested that the authors should try their best to reduce such mistakes and to polish the language as much as possible. 3. On Page 1: Starting from Equation (1), the whole text has formulas that contain the number 6, please explain the meaning of each item in the formula. 4. Equation (37) on Page 7, what's the meaning of Eq. (37)? Please check and correct carefully. 5. Figure 1 on page 11 and Figure 2 on page 12 are unclear. Please redraw the figures to make their presentation clearer. 6. Data set 1 on page 13 and data set 2 on page 14: What is the unit name of the data? 7. In all through the manuscript and references, please cite some recent research works as much as possible. 	
Minor REVISION comments		
Optional/General comments		

PART 2:

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

Reviewer Details:

Name:	Li Liu
Department, University & Country	School of Information and Electrical Engineering, Ludong University, China