

## Review Form 1.7

Journal Name:	<a href="#">Asian Journal of Probability and Statistics</a>
Manuscript Number:	Ms_AJPAS_113286
Title of the Manuscript:	<b>A Generalized Suja Distribution with application to lifetime data</b>
Type of the Article	<b>research</b>

### **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> )

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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)
<p><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>In recent years, there have been serious studies in the literature related to the proposed general classes of Suja distributions.</p> <p>The present study contains an original analysis of the new Kumaraswamy-Suja (KW-Suja) family of distributions.</p> <p>The identifiability properties of the new distribution are mathematically proved in Section 2.</p> <p>Reliability properties, statistical properties, quantile function, entropy measures, distribution of order statistics, maximum likelihood estimates of parameters of KW-Suja distribution are also discussed.</p> <p>The flexibility and applicability of the new distribution with two real data sets are illustrated in section 9.</p> <p>The article is very well structured, contains interesting results and opens up opportunities for further research in this scientific direction.</p> <p>At first glance, the bibliography provided is relatively good.</p> <p>This gives me reason to recommend the paper "A Generalized Suja Distribution with application to lifetime data for publishing in Asian Journal of Probability and Statistics after minor revision.</p> <p>Remark.</p> <p>The good qualities of the proposed new model can stand out better if it is applied to approximate data from other branches of scientific knowledge as well.</p> <p>I am convinced that the additional bibliographical reference will add to the quality of the proposed article:</p> <p>T. Terzieva, A. Iliev, A. Rahnev, N. Kyurkchiev, Comments on Some Modification of Suja Cumulative Functions with Applications to the Theory of Computer Viruses Propagation. VII, International Journal of Differential Equations and Applications, Volume 19, No. 1 (2020), pages: 83-95.</p>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>Yes.</p>	
<p><b>Optional/General</b> comments</p>		

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**PART 2:**

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

**Reviewer Details:**

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