

Review Form 1.7

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_ AJPAS_105380
Title of the Manuscript:	The Copoun Distribution and Its Mathematical Properties
Type of the 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://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>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes, a new addition to increasing number of distributions potentially useful.</p> <p>Yes.</p> <p>Yes.</p> <p>Yes.</p> <p>Yes.</p> <p>Yes.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes.</p>	
<p>Optional/General comments</p>	<ol style="list-style-type: none"> 1. On page 3 author states weakness of distributions. Put it as limitations of distributions. 2. Subsection 3.1 starts with “We derive the rth moment of the extended Pranav distribution in this subsection. Replace Pranav with Coupon. 3. In the section Conclusion, it is stated that among others, quantile function and reliability indices are derived. These are not derived in the manuscript. So remove them. 4. Again, in the Conclusion author states “Furthermore, the risk measurement function of the Copoun distribution can model datasets with increasing failure rate (IFR), increasing failure rate average (IFRA), new better than used (NBU), and new better than used in expectation (NBUE) in survival analysis. In addition, the survivorship or monotone non-increasing and monotone non-decreasing functions.” However, none of these are discussed or demonstrated with a data set and thus appear more speculative. Thus these claims are unjustified and so Remove them. 	

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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:

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