

## Review Form 1.7

Journal Name:	<a href="#">Asian Journal of Probability and Statistics</a>
Manuscript Number:	Ms_AJPAS_96810
Title of the Manuscript:	<b>A Discrete Analogue of Complementary Exponentiated-G Poisson Family of Distributions: Properties and Estimation</b>
Type of the Article	<b>Original Research Article</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> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. The complementary exponentiated-G Poisson distribution is not new but there are so many important applications of this distribution in different branch of Sciences. Some special distribution properties like hazard rate, moments, quantiles, order statistics, Renyi Entropy etc. are discussed in this paper which are very important for the Researchers. All the parameter values used to find different estimations are hypothetical and it is not known how the parameters are sensitive.</p> <p>2. Yes</p> <p>3. Yes</p> <p>4. Yes</p> <p>5. Yes</p> <p>6. Yes</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	Yes	
<p><b>Optional/General</b> comments</p>	<p>1. Discuss how the equations (7), (8), (9) are formulated.</p> <p>2. In the expression <math>ah(x)</math>, what is ' ' ?</p> <p>3. Discuss Sec. 2.2.1 (Quantiles) clearly and check the inequation (13).</p> <p>4. Check the equations (34), (35) and the similar equations for maximumlikelihood functions.</p> <p style="text-align: center;"><math>\alpha</math></p> <p>5. Detailed calculations are needed for different complicated expressions in Appendix.</p>	

**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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