

Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_82586
Title of the Manuscript:	Generalized Exponential Poisson Geometric distribution using Marshall- Olkin Technique
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:

(<https://www.journaljamcs.com/index.php/JAMCS/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)
Compulsory REVISION comments	N/A	N/A
Minor REVISION comments	<ul style="list-style-type: none"> Change the statement on the first paragraph on page 11 after Table (5): <p>“As a result, the MSE and the Bias values are decreases while the sample size increases which indicates of the unbiasedness and efficiency properties of the GEPGD parameters using different estimation methods.”</p> Restate the second paragraph on page 11. <p>“From the simulation the MLE give the best results of biases and MSEs. LSE is the second good estimator, followed by the Weighted Least Square estimators. we can argue that the MLE, least squares estimators and the WLSE are among the best performing estimators for GEPGD.”</p> Restate the first paragraph on page 13. <p>“The GEPGD showed that is more flexible and more fitting comparing with other distributions, since has the smallest statistic criteria and the smallest log likelihood, hence the above values of measures will lead to the pdf of the GEPGD has its own shape and may be difficult to replace by any other known distribution.”</p> Restate the first paragraph on page 16 <p>“The GEPGD showed that is more flexible and more fitting comparing with other distributions, since has the smallest statistic criteria and the smallest log likelihood, hence the above values of measures will lead to the pdf of the GEPGD has its own shape and may be difficult to replace by any other known distribution.”.</p> 	<p>Suggested statement: As a result, the MSE and the Bias values decrease while the sample size increases which satisfies the unbiased and efficiency properties of the GEPGD parameters using different estimation methods.</p> <p>Suggested statement: From the simulation, the MLE gives the best results of biases and MSEs. LSE places second as good estimator and, the Weighted Least Square estimators places the last. This shows that MLE, least squares estimators and the WLSE are among the best performing estimators for GEPGD.</p> <p>Suggested statement: The GEPGD is found to be more flexible and more fitting compared to other distributions, since has the smallest statistic criteria and the smallest log likelihood. Hence the above values of measures will lead to the pdf of the GEPGD, which has its own shape and may be difficult to replace by any other known distribution.</p> <p>Suggested statement: The GEPGD is found to be more flexible and more fitting compared to other distributions, since has the smallest statistic criteria and the smallest log likelihood. Hence the above values of measures will lead to the pdf of the GEPGD, which has its own shape and may be difficult to replace by any other known distribution.</p>
Optional/General comments	N/A	N/A

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>	

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