

## Review Form 1.7

Journal Name:	<a href="#">Asian Journal of Probability and Statistics</a>
Manuscript Number:	Ms_AJPAS_106212
Title of the Manuscript:	<b>DETERMINANTS OF ESTIMATE DIFFERENCE BETWEEN GEOMETRIC MEASURE AND STANDARD DEVIATION</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> )

### 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><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>The measures of variation and they include; range, interquartile range, variance and standard deviation. These measures are either used separately or together to give a wide variety of ways of measuring variability of data. Researchers and mathematicians found out that these measures violated the algebraic laws. The author try to prove that the Geometric measure of variation obeyed all the algebraic laws, allowed further algebraic manipulation and was not affected by outliers or skewed data sets. This research determine that geometric measure of variation was more efficient than the standard deviation and it estimates were smaller than those of standard deviation but they did not determine the main relationship between the two measures of variations and how the sample characteristic.</p> <p>Increase in sample size was determined to decrease the difference between the geometric measure and standard deviation for skewed and countable data sets, however it had no significant effect on the difference between the geometric measure and standard deviation in normal and binary data sets. this is actually equivalence between geometric measure and standard deviation. Add recent and relevant references. Title is also suit the manuscript. The paper can be published.</p>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>Please check the grammatical error.</p>	
<p><b>Optional/General</b> comments</p>	<p>Please follow the author guidelines.</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)
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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**Reviewer Details:**

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