



SDI Review Form 1.6

Journal Name:	Asian Journal of Advanced Research and Reports
Manuscript Number:	Ms_AJARR_42521
Title of the Manuscript:	Improved Estimator of Finite Population Variance using Coefficient of Quartile Deviation
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

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	1. Your article is based upon merely 9 references; Does it mean that people are not interested in the work you are doing? Actually references establish that the topic you are working upon is an alive topic in the literature. 2. You could cite only a single reference from 2018; Does it mean that the problem has been solved? 3. Where such estimators are usually used? Why you need to develop more efficient estimators? 4. More rigorous literature review is required to base your study on. Especially when you are using an age old Isaki (1983) estimator. You need to develop a critique on different versions of the estimators present in the past with the intention to establish the need and superiority of yours' work. Why different versions are needed for the Isaki (1983) estimator; What are the plus points for these versions? What are the down side of these estimators? What is the need of developing another version? 5. Although N and Y are well understood in the statistical literature. Still, it is better to define the symbiology used in your paper (First line of your paper). 6. What do you mean by "precision of the best results". Perhaps you want to write "precision of the results". 7. What is the rational of using Coefficient of Quartile Devistion instead of variance? Just for fun? Just for curiosity? Or it has some theoretical base? You need to rationalize the switching. You need to establish why only Coefficient of Quartile deviation works well. 8. Quartiles are more famous for their role in developing robust versions. Does your study leading towards robustness? 9. What is the rationale of using age old data sets, like Murthy (1967) or Sing & Chaudhary (1986)? Why only these data sets? 10. What is the significance of your study? Who may be benefitted from this? It is simply another estimator or it does have some characteristics which attracts people to use it.	
Minor REVISION comments	1. Citations and References must satisfy some known referencing style, like APA, Harvard, etc. 2. I would like to see the data, in actual, with its results as calculated from some known statistical package, like SPSS, R, SAS, etc. 3. Some graphical work may increase the understanding of the results.	
Optional/General comments	NA	

Reviewer Details:

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