

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_125661
Title of the Manuscript:	New modified efficient Variance Estimators for the estimation of Population Variance in Survey Sampling
Type of the Article	Original Research article

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	The manuscript has contributed to knowledge by proposing estimators for the estimation of population variance. The proposed estimators have least Mean Square Error (MSE) and highest Percentage Relative Efficiency (PRE) than the compare ones in the manuscript. The proposed estimators are more efficient than the compared ones in the manuscript due to the least value of the Mean Square Error (MSE).	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	I suggested that, the conclusion part of the result should be included in the abstract.	
Are subsections and structure of the manuscript appropriate?	Yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	A family of new estimators are developed. These estimators are better than the selected compared one. The estimators give higher precision of estimate and in return reduce sampling error.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	<ul style="list-style-type: none"> ➤ Kindly follow the journal reference style. ➤ The references in the manuscript are not sufficient. In fact, there are many recent publications on this area like: ➤ Kumar et al., (2024). Memory type general class of estimators for population variance under simple random sampling. ➤ Sahoo et al., (2021). On a method of estimating variance of the product Estimator. ➤ Cekim and Kadilar (2020). In-Type Variance Estimators in Simple Random Sampling. ➤ Soni and Pandey (2023). Generalized Estimator of Population Variance utilizing Auxiliary Information in Simple Random Sampling Scheme. ➤ etc. ➤ <i>The following authors are in the reference section but not in the main manuscript. Kindly include them in the main manuscript or removed them:</i> ➤ Cochran,W.G (1977) ➤ Prasad,B.and Singh,H.P ➤ M .a .Bhat¹, S. Maqbool², S .A .Saraf², Ab. Rouf²and S .H Malik²(2018) ➤ Sarginder Singh (2003) ➤ Khan. and Shabir, j (2013) ➤ Singh, H.P., Tailor, R.,Tailor, R. and Kakran,M.S. (1991) ➤ M.A.Bhat¹, S.Maqbool¹,Ab. Rauf¹, S.A.Saraf¹and M.A.Malik¹(2017) 	

Review Form 3

	<ul style="list-style-type: none"> ➤ M .A.Bhat^{1*}, S.Maqbool¹, S.A.Saraf¹, S.H.^{Malik2#}, Yasmeena Ismail³ and Mir Subzar³ (2018) ➤ M .A.Bhat^{1*}, S.Maqbool¹, S.A.Mir¹, N.A.Sofi¹, Ab.Rauf¹, Immad .A. Shah¹ and Mir Subzar¹ (2018). ➤ M.A.Bhat¹, S.Maqbool and Mir Subzar (2018). ➤ J. M.A.Bhat, S.Maqbool, T.A.Raja and N.A. Ganai¹. (2017). ➤ M .A.Bhat^{1*}, T.A. Raja¹, S.Maqbool¹, N.A.Sofi¹, Ab.Rauf¹, S.H.Baba¹ and Immad .A. Shah¹. (2018). 	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes. Some spellings are not correct like 'skewness' not skewness, 'supplementary' not supplementary and others</p> <p>Write the full meaning of MSE i.e Mean Square Error Numbering of the equations should be consistent. Kindly write more under literature review.</p>	
<u>Optional/General</u> comments		

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:

Name:	Jamiu Olasunkanmi Muili
Department, University & Country	Skyline University, Nigeria